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Directory and Resource Administrator 10.3

PowerShell Cmdlets

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Contents

About This Reference 11

1 Working with the PowerShell Extensions 13

Using the Cmdlets . . . 13
Properties Parameter Details . . . 13
Examples . . . 14
Backslash Usage in Object Names . . . 16

2 Advanced Query Commands 17

Add-DRAAdvancedQuery . . . 17
Get-DRAAdvancedQuery . . . 20
Find-AdvancedQueries . . . 22
Remove-DRAAdvancedQuery . . . 25
Set-DRAAdvancedQuery . . . 27

3 Entra ID Group Commands 31

Add-AzureDRAGroupMembers . . . 31
Get-AzureDRAGroup . . . 36
Get-AzureDRAGroupMembers . . . 41
Get-AzureDRAGroupMembership . . . 44
New-AzureDRAGroup . . . 47
Remove-AzureDRAGroup . . . 51
Remove-AzureDRAGroupMembers . . . 53
Set-AzureDRAGroup . . . 58

4 Entra ID Contact Commands 63

Get-AzureDRAContact . . . 63
New-AzureDRAContact . . . 68
Remove-AzureDRAContact . . . 71
Set-AzureDRAContact . . . 74

5 Entra ID User Commands 83

Get-AzureDRAUser . . . 83
New-AzureDRAUser . . . 88
Remove-AzureDRAUser . . . 92
Set-AzureDRAUser . . . 94
Set-AzureDRAUserPassword . . . 101
New-AzureDRAMSInvitation . . . 104

6 Computer Commands 109

Add-DRAComputer 109
Get-DRAComputer 113
Move-DRAComputer 117
Remove-DRAComputer 120
Reset-DRAComputer 122
Restore-DRAComputer 124
Set-DRAComputer 127

7 Configuration Commands 131

Get-DRAServerInfo 131
Get-DRAServersForDomain 133

8 Contact Commands 137

Add-DRAContact 137
Copy-DRAContact 140
Disable-DRAContactEmail 143
Enable-DRAContactEmail 146
Get-DRAContact 148
Move-DRAContact 152
Remove-DRAContact 155
Restore-DRAContact 157
Set-DRAContact 160

9 Container Commands 169

Get-DRABuiltinContainer 169
Get-DRAContainer 173
Set-DRABuiltinContainer 176
Set-DRAContainer 179

10 Delegation Commands 183

Add-DRAAssignments 184
Get-DRAActiveViewAssignments 186
Get-DRAActiveViewRules 189
Get-DRAAssignments 192
Get-DRAAssistantAdminGroupMembers 195
Get-DRADelegatedPowers 199
New-DRAActiveView 201
New-DRAActiveViewRule 204
New-DRAAzureContactRule 207
New-DRAAzureGroupRule 211
New-DRAAzureTenantRule 216
New-DRAAzureUserRule 221
New-DRAComputerRule 226
New-DRAContactRule 231
New-DRADirectReportsRule 235

New-DRADomainRule . . . 238
New-DRADynamicDistributionGroupRule . . . 242
New-DRAManagedGroupsRule . . . 246
New-DRAServiceAccountRule . . . 250
New-DRAGroupRule . . . 254
New-DRAOURule . . . 260
New-DRAResourceMailboxRule . . . 265
New-DRASelfAdministrationRule . . . 269
New-DRASharedMailboxRule . . . 272
New-DRAOnlineSharedMailboxRule . . . 276
New-DRAUserRule . . . 281
Remove-DRAAssignments . . . 285
Remove-DRAActiveView . . . 288
Remove-DRAActiveViewRule . . . 290

11 Device Commands 293

Disable-DRADevice . . . 293
Enable-DRADevice . . . 295
Get-DRADevice . . . 298
Set-DRADevice . . . 302

12 Domain Commands 307

Get-DRADomain . . . 307
Set-DRADomain . . . 309

13 Dynamic Distribution Groups 313

Add-DRADynamicDistributionGroup . . . 313
Copy-DRADynamicDistributionGroup . . . 317
Get-DRADynamicDistributionGroup . . . 320
Get-DRADynamicDistributionGroupPreview . . . 324
Move-DRADynamicDistributionGroup . . . 328
Remove-DRADynamicDistributionGroup . . . 330
Restore-DRADynamicDistributionGroup . . . 333
Set-DRADynamicDistributionGroup . . . 335

14 Event Log Commands 345

Clear-DRAEventLog . . . 345
Get-DRAEventLog . . . 347
Set-DRAEventLog . . . 351

15 Exchange Online Commands 355

Exchange Online Properties . . . 355

16 Group Commands 361

Add-DRAAssistantAdminGroupMembers . . . 362

Add-DRAGroup 364
Add-DRAGroupMembers 369
Copy-DRAGroup 373
Disable-DRAGroupEmail 378
Enable-DRAGroupEmail 380
Get-DRAGroup 383
Get-DRAGroupMembers 387
Get-DRAGroupMembership 391
Get-DRAGroupPermissions 394
Move-DRAGroup 397
Remove-DRAAssistantAdminGroupMembers 400
Remove-DRAGroup 402
Remove-DRAGroupMembers 404
Restore-DRAGroup 408
Set-DRAGroup 410
Set-DRAGroupPermissions 419

17 Organizational Units 425

Add-DRAOU 425
Copy-DRAOU 428
Get-DRAOU 431
Move-DRAOU 436
Remove-DRAOU 438
Set-DRAOU 440

18 On-premises Exchange Configuration Commands 445

Get-DRAExchangeAdminGroups 445
Get-DRAExchangeAliasName 448
Get-DRAExchangeConfiguration 451
Get-DRAExchangeMailboxPermissions 453
Get-DRAExchangeServers 456
Get-DRAExchangeStores 458
Set-DRAExchangeMailboxPermissions 461
Set-DRAMailboxFolderPermissions 465

19 Online Shared Mailbox Commands 469

Get-DRAOnlineMailbox 469
New-DRAOnlineMailbox 474
Remove-DRAOnlineMailbox 477
Set-DRAOnlineMailbox 479

20 Public Folder Commands 491

Disable-DRAMailPublicFolder 491
Enable-DRAMailPublicFolder 493
Get-DRAPublicFolder 496
New-DRAPublicFolder 502

Remove-DRAPublicFolder 505
Set-DRAPublicFolder 509

21 Remote Mailbox Commands 513

Disable-DRARemoteMailbox 513
Enable-DRARemoteMailbox 516
Get-DRARemoteMailbox 520
New-DRARemoteMailbox 524
Remove-DRARemoteMailbox 532
Set-DRARemoteMailbox 535

22 Resource Mailbox Commands 549

Add-DRAResourceMailbox 549
Copy-DRAResourceMailbox 553
Get-DRAResourceMailbox 557
Move-DRAResourceMailbox 562
Remove-DRAResourceMailbox 564
Restore-DRAResourceMailbox 567
Set-DRAResourceMailbox 569

23 Find Commands 577

Find-DRAObjects 577
Find-DRADeletedObjects 586
Find-DRALDAPObjects 593

24 Service Commands 599

Get-DRAService 599
Resume-DRAService 603
Set-DRAService 606
Start-DRAService 609
Stop-DRAService 612
Suspend-DRAService 614

25 Group Managed Service Account Commands 617

Get-DRAServiceAccount 617
Move-DRAServiceAccount 621
New-DRAServiceAccount 623
Remove-DRAServiceAccount 626
Set-DRAServiceAccount 628

26 Session Commands 637

Get-DRASession 637
Remove-DRASession 641

27 Share Commands **645**

Copy-DRAShare 645
Get-DRAShare 648
New-DRAShare 652
Remove-DRAShare 655
Set-DRAShare 658

28 Shared Mailbox Commands **663**

Add-DRASharedMailbox 663
Copy-DRASharedMailbox 666
Get-DRASharedMailbox 670
Move-DRASharedMailbox 674
Remove-DRASharedMailbox 676
Restore-DRASharedMailbox 679
Set-DRASharedMailbox 682
Add-DRASharedArchiveMailbox 689
Remove-DRASharedArchiveMailbox 692

29 Skype for Business Commands **695**

Get-DraCsAudioConferencingProvider 695
Get-DraCsOnlineUser 697
Get-DraCsUserAcp 699
Grant-DraCsConferencingPolicy 702
Grant-DraCsExternalAccessPolicy 704
Set-DraCsUserAcp 707

30 Skype Related Commands **711**

Disable-DraCsUser 711

31 Temporary Group Assignment Commands **715**

Add-DRATemporaryGroupAssignment 715
Clear-DRATemporaryGroupAssignmentError 719
Disable-DRATemporaryGroupAssignment 721
Enable-DRATemporaryGroupAssignment 723
Remove-DRATemporaryGroupAssignment 725
Stop-DRATemporaryGroupAssignment 727

32 User Commands **731**

Add-DRAUser 734
Add-DRAUserArchiveMailbox 738
Add-DRAUserMailbox 741
Copy-DRAUser 744
Disable-DRAOffice365ArchiveMailbox 748
Disable-DRAUser 750
Disable-DRAUserEmail 753

Enable-DraCsUser 755
Enable-DRAOffice365ArchiveMailbox 758
Enable-DRAUser 761
Enable-DRAUserEmail 763
Get-DRAMoveMailboxStatus 766
Get-DRAUser 768
Grant-DraCsArchivingPolicy 772
Grant-DraCsClientPolicy 775
Grant-DraCsClientVersionPolicy 777
Grant-DraCsLocationPolicy 779
Grant-DraCsMobilityPolicy 781
Grant-DraCsPersistentChatPolicy 784
Grant-DraCsPinPolicy 786
Lock-DRACsClientPin 788
Move-DraCsUser 790
Move-DRAUser 793
Move-DRAUserMailbox 796
Remove-DRAUser 798
Remove-DRAUserArchiveMailbox 801
Remove-DRAUserMailbox 803
Reset-DRAUserPassword 805
Restore-DRAUser 809
Revoke-DraCsClientCertificate 811
Set-DraCsClientPin 814
Set-DraCsUser 816
Set-DRAMoveMailboxStatus 822
Set-DRAUser 824
Unlock-DRACsClientPin 831
Unlock-DRAUser 833

33 Workflow Commands **837**

Add-DRAWorkflowEvent 837

About This Reference

The DRA PowerShell Reference provides descriptions, syntax, and examples of DRA PowerShell cmdlets that you can execute to take actions with Active Directory objects, servers, and domains in DRA.

Intended Audience

This book provides information for individuals responsible for understanding administration concepts and implementing a secure, distributed administration model.

Additional Documentation

This guide is part of the Directory and Resource Administrator documentation set. For the most recent version of this guide and other DRA documentation resources, visit the DRA Documentation website (https://www.netiq.com/documentation/directory-and-resource-administrator/index.html).

Contact Information

We want to hear your comments and suggestions about this book and the other documentation included with this product. You can use the **comment on this topic** link at the bottom of each page of the online documentation, or send an email to Documentation-Feedback@microfocus.com.

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1 Working with the PowerShell Extensions

The PowerShell extensions implement the DRA REST interfaces, allowing you to integrate with the DRA server using PowerShell cmdlets. This reference provides descriptions, syntax, and examples of DRA PowerShell cmdlets that you can execute to take actions with Active Directory and Microsoft Entra ID objects, servers, Entra ID tenants, and domains in DRA.

The computer running the PowerShell cmdlets must be in a domain that is trusted by the domain of the DRA Server or in the same domain as the DRA Server.

- "Using the Cmdlets" on page 13
- "Backslash Usage in Object Names" on page 16

For information about installing the PowerShell Extensions component, see the following topics in the *DRA Administrator Guide*:

- "Supported Platforms"
- "DRA Administration Server, Web Console, and REST Extensions Requirements"

For general usage information and examples, see the sections below:

- "Using the Cmdlets" on page 13
- "Backslash Usage in Object Names" on page 16

Using the Cmdlets

To list the parameters required for any cmdlets, use the get-help cmdlets, such as:

```
get-help Get-DRAUser
```

The get-help options –`Full`, `-Detailed`, and `-Examples` are supported.

If you are using self-signed certificates for the DRA REST Service, you will need to override the check that the certificate is valid. Use the `-IgnoreCertificateErrors` parameter on each command. To also suppress the confirmation message, add the `-Force` parameter.

Properties Parameter Details

For parameter formatting or getting a list of available properties, see the sections below:

Formatting the Parameter

For any DRA request that allows you to set properties on an object, such as create or update requests, you will pass the property values as a single string on the Properties parameter. The parameter is formatted as a collection of name=value pairs, separated by semi-colons. For example:

```
-Properties "Description=some
description;EmployeeID=z4563;Department=Accounting"
```

When the property value contains a semi-colon, escape the semi-colon with a second semi-colon. For example:

```
-Properties "Description=some description;; more
description...end;EmployeeID=z4563;Department=Accounting"
```

When the property has multiple values, separate each value with a comma. For example:

```
-Properties "ConditionalStateOrProvince=TX,IA,CA"
```

When the values of a multi-valued property value contain a comma, enclose each value in quotes. This is very common for object properties that expect a list of distinguished names. The example shows 2 properties: `Description` and `AcceptMessagesFrom`. AcceptMessagesFrom expects a list of distinguished name values. The property value has each distinguished name surrounded by quotes and delimited by commas. Note that when a command-line parameter has embedded quotes, the quotes need to be escaped using the back tick (`).

```
-Properties "Description=some
text;AcceptMessagesFrom=`"CN=George,OU=Accounting,DC=MyDomain,DC=corp`",
`"CN=Contact022,OU=HR,DC=MyDomain,DC=corp`",`"CN=PSGroup01,OU=Accounting,D
C=MyDomain,DC=corp`""
```

Getting the List of Available Properties

Each DRA object has many properties. To see the property names available for any object, you can perform a Get-DRA cmdlet and query the results using PowerShell's Get-Member cmdlet. Here are the steps to get the list of defined properties for a computer.

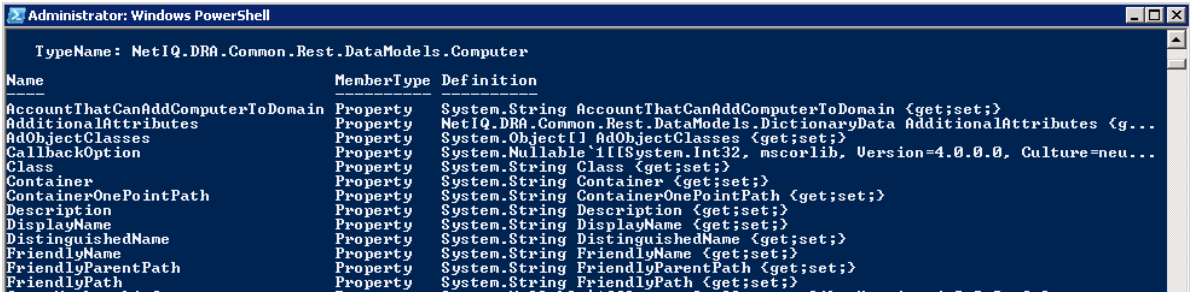
1. Run a `Get-DRAComputer` cmdlet and set the returned object to a local variable. For example:

   ```
   $draObj = Get-DRAComputer –Domain mydomain.corp -Identifier
   "myComputer"
   ```

2. Using the local variable created in step 1, call the `Get-Member` cmdlet. For example:

   ```
   Get-Member -InputObject $draobj -MemberType Property
   ```

Here is an image of the results:



When the Definition shows `System.String[]`, then the property accepts multiple values.

Examples

A couple of examples are provided below:

Get information about a specific user:

```
Get-DRAUser -Identifier "CN=Alexander
Pompeani,OU=Accounting,OU=Houston,DC=keystone,DC=local"
-Domain "MyDomain.corp" -Attributes
"DistinguishedName,EmployeeID,Department"
–DRARestPort 9999
-AssistantAdmin "myDomain\\someAA"
-AssistantAdminPassword "xxxyyy"
```

Attribute	Description
`Get-DRAUser`	The name of the cmdlet.
`Domain`	The parameter to specify the domain of the user in the fully qualified domain name format.
`Identifier`	The parameter to specify the user. You can use the distinguished name, friendly name, or display name. Note that if you use the display name, the REST endpoint will make an additional call to the DRA server to resolve the display name to the distinguished name.
`Attributes`	Lists the names of properties to return, separated by commas. This request will return the distinguished name, `employeeID` and department. If this attribute is not specified, a default set of properties will be returned. See here for more information about the default list of properties.
`DRARestPort`	Optional parameter that specifies the port where the DRA REST service listens for requests. If the port is not specified, the request will go to port 8755.
`AssistantAdmin`	Optional parameter that specifies the DRA assistant administrator user whose credentials should be used for the DRA Server operation. The default is to use the credentials of the PowerShell client user. If this is specified, the `AssistantAdminPassword` must also be specified.
`AssistantAdminPassword`	Optional parameter that specifies the password for the DRA assistant administrator. Required if `AssistantAdmin` is specified.

Add a New Computer

```
Add-DRAComputer -Domain MyDomain.corp -Properties
"DistinguishedName=cn=COMPUTER123,OU=Accounting,DC=MyDomain,DC=corp;Descri
ption=Computer for powershell;TrustedForDelegation=true"
```

Where	Specifies
`Get-DRAUser`	The name of the cmdlet.
`Add-DRAComputer`	The parameter to specify the domain of the user in the fully qualified domain name format.
`Properties`	The list of properties to set for the new computer.

Backslash Usage in Object Names

In DRA, do not use the backslash "\" character in single form as any part of an object name when performing operations on objects in DRA PowerShell, it will produce an error. Use two backslashes in sequence to avoid an error. Here is an example:

```
Get-DRAContact -Domain 'dom010250.lab' -IgnoreCertificateErrors -
Identifier 'CN=Vijay\\Contact,OU=Vijay,DC=dom010250,DC=lab' (Gets the
contact with name 'Vijay\Contact')
```

2 Advanced Query Commands

This section contains cmdlets you can execute for Advanced Query.

- "Add-DRAAdvancedQuery" on page 17
- "Get-DRAAdvancedQuery" on page 20
- "Find-AdvancedQueries" on page 22
- "Remove-DRAAdvancedQuery" on page 25
- "Set-DRAAdvancedQuery" on page 27

- "Add-DRAAdvancedQuery" on page 17
- "Get-DRAAdvancedQuery" on page 20
- "Find-AdvancedQueries" on page 22
- "Remove-DRAAdvancedQuery" on page 25
- "Set-DRAAdvancedQuery" on page 27

Add-DRAAdvancedQuery

Synopsis

Adds a new advanced query.

Syntax

```
Add-DRAAdvancedQuery -Properties <Hashtable> [-DRARestServer <String>] [-
DRARestPort <Int32>] [-IgnoreCertificateErrors <SwitchParameter>] [-Force
<SwitchParameter>] [-Timeout <Int32>] [<CommonParameters>]
```

Description

The Add-DRAAdvancedQuery cmdlet creates a new advanced query in DRA with the properties specified. You must have the Create Private Advanced Query power to create queries in the 'My' query folder and the Create Public Advanced Query power to create queries in the 'Public' query folder. The following properties must be set:

BaseContainer, Query, IncludeChildContainers, Columns and either QueryIdentifier or both Name and QueryFolder.

Parameters

Attribute / Description	Parameters / Values				
	Required	**Position**	**Default Value**	**Accept Pipeline input?**	**Accept wildcard characters?**
Properties <Hashtable> A hashtable of property values. The key is the name of a defined attribute in the REST interface. For example: `-Properties @{Attribute1DRADisplayName="my value"; Attribute2DRADisplayName=value}` Multiple values are specified as a comma-separated list. For example: `-Properties @{Attribute1DRADisplayName=value1, value2}` If the property name contains non-alphanumeric characters it needs to be quoted. For example: `-Properties @{"Attribute1-DRA-DisplayName"=value}` If the property value contains a quote it needs to be escaped with a backtick (`).  For example: `-Properties @{Attribute1DRADisplayName="``"sample``" value"}`	true	named		true (ByPropertyName)	false
DRARestServer [<String>] The name of the computer running the DRA REST Service. The requested DRA operation will be sent to the REST Service running on the specified computer. If this parameter is not specified, then the cmdlet will attempt to discover a DRA REST Service to use.	false	named		true (ByPropertyName)	false

Attribute / Description	Parameters / Values				
	Required	**Position**	**Default Value**	**Accept Pipeline input?**	**Accept wildcard characters?**
DRARestPort [<Int32>] The port number of the DRA REST Service. This parameter is only used when the DRARestServer parameter is also specified. If the DRARestServer parameter is specified but the DRARestPort is not, 8755 will be used as the default REST port.	false	named	8755	true (ByPropertyName)	false
IgnoreCertificateErrors [<SwitchParameter>] Allows the request to bypass any SSL certificate errors, such as the InvalidOperation error that occurs when the REST Service is bound to a self-signed certificate.	false	named		false	false
Force [<SwitchParameter>] Suppresses any request for user input and supplies a 'yes' response. For example: -Force with a delete request will perform the delete without presenting the confirmation request to the user.	false	named		false	false
Timeout [<Int32>] The number of seconds to wait before the request to the DRA REST server times out. To specify an infinite timeout, you can set this parameter to -1. ***<CommonParameters>*** Verbose, Debug, ErrorAction, ErrorVariable, WarningAction, WarningVariable, OutBuffer, PipelineVariable, and OutVariable. For more information, see About CommonParameters (http://go.microsoft.com/fwlink/?LinkID=113216).	false	named	100 seconds	true (ByPropertyName)	false

NOTE: For more information, type "`Get-Help Add-DRAAdvancedQuery -detailed`". For technical information, type "`Get-Help Add-DRAAdvancedQuery -full`".

Example 2-1 *1*

```
PS C:\>Add-DRAAdvancedQuery @{BaseContainer="OnePoint://
DC=MyDomain,DC=corp"; Name="All
Computers";Columns="path","friendlyName","class";QueryFolder="My";Query="(
objectClass=computer)";IncludeChildContainers=$true}
```

Creates a new private advanced query that returns the path and friendlyName of all computer objects in the MyDomain.corp domain.

Get-DRAAdvancedQuery

Synopsis

Gets information about a DRA advanced query.

Syntax

```
Get-DRAAdvancedQuery -Identifier <String> [-DRARestServer <String>] [-
DRARestPort <Int32>] [-IgnoreCertificateErrors <SwitchParameter>] [-Force
<SwitchParameter>] [-Timeout <Int32>] [<CommonParameters>]
```

Description

The Get-DRAAdvancedQuery cmdlet returns the properties of the requested query. You must have the View Advanced Query power to run this cmdlet.

Parameters

Attribute / Description	Parameters / Values				
	Required	**Position**	**Default Value**	**Accept Pipeline input?**	**Accept wildcard characters?**
Identifier <String> The advanced query identifier. The identifier format is `<folder>\<name>`.	true	named		true (ByPropertyName)	false

Attribute / Description	Parameters / Values				
	Required	**Position**	**Default Value**	**Accept Pipeline input?**	**Accept wildcard characters?**
DRARestServer [<String>] The name of the computer running the DRA REST Service. The requested DRA operation will be sent to the REST Service running on the specified computer. If this parameter is not specified, then the cmdlet will attempt to discover a DRA REST Service to use.	false	named		true (ByPropertyName)	false
DRARestPort [<Int32>] The port number of the DRA REST Service. This parameter is only used when the DRARestServer parameter is also specified. If the DRARestServer parameter is specified but the DRARestPort is not, 8755 will be used as the default REST port.	false	named	8755	true (ByPropertyName)	false
IgnoreCertificateErrors [<SwitchParameter>] Allows the request to bypass any SSL certificate errors, such as the InvalidOperation error that occurs when the REST Service is bound to a self-signed certificate.	false	named		false	false
Force [<SwitchParameter>] Suppresses any request for user input and supplies a 'yes' response. For example: -Force with a delete request will perform the delete without presenting the confirmation request to the user.	false	named		false	false
Timeout [<Int32>] The number of seconds to wait before the request to the DRA REST server times out. To specify an infinite timeout, you can set this parameter to -1.	false	named	100 seconds	true (ByPropertyName)	false

Attribute / Description	Parameters / Values				
	Required	Position	Default Value	Accept Pipeline input?	Accept wildcard characters?
<CommonParameters> Verbose, Debug, ErrorAction, ErrorVariable, WarningAction, WarningVariable, OutBuffer, PipelineVariable, and OutVariable. For more information, see About CommonParameters (http://go.microsoft.com/fwlink/?LinkID=113216).					

NOTE: For more information, type "`Get-Help Get-DRAAdvancedQuery -detailed`". For technical information, type "`Get-Help Get-DRAAdvancedQuery -full`".

Example 2-2 *1*

```
PS C:\>Get-DRAAdvancedQuery -Identifier "My\AdvancedQuery2"
```

This example requests the properties of AdvancedQuery2 in 'My' folder.

Example 2-3 *2*

```
PS C:\>Get-DRAAdvancedQuery -Identifier "Public\Advanced Query 1"
```

This example requests the properties of Advanced Query 1 in the 'Public' folder.

Find-AdvancedQueries

Synopsis

Retrieves the list of advanced queries.

Syntax

```
Find-DRAAdvancedQueries [-AdvancedQueryOrFilter <Hashtable>] [-
DRARestServer <String>] [-DRARestPort <Int32>] [-IgnoreCertificateErrors
<SwitchParameter>] [-Force <SwitchParameter>] [-Timeout <Int32>]
[<CommonParameters>]
```

Description

The Find-AdvancedQueries cmdlet retrieves the advanced queries from the requested folder in DRA. You can view all advanced queries or you can specify a folder to view its advanced queries. You must have the View Advanced Query power in order to run this cmdlet. See the following example to learn how to view advanced queries from a specific folder.

Parameters

Attribute / Description	Parameters / Values				
	Required	**Position**	**Default Value**	**Accept Pipeline input?**	**Accept wildcard characters?**
AdvancedQueryOrFilter [<Hashtable>] The properties to use when searching for advanced queries. Currently only QueryFolder is supported and can be set to "My", "Public", or "All". When not specified all queries are returned.	false	named		true (ByPropertyName)	false
DRARestServer [<String>] The name of the computer running the DRA REST Service. The requested DRA operation will be sent to the REST Service running on the specified computer. If this parameter is not specified, then the cmdlet will attempt to discover a DRA REST Service to use.	false	named		true (ByPropertyName)	false
DRARestPort [<Int32>] The port number of the DRA REST Service. This parameter is only used when the DRARestServer parameter is also specified. If the DRARestServer parameter is specified but the DRARestPort is not, 8755 will be used as the default REST port.	false	named	8755	true (ByPropertyName)	false
IgnoreCertificateErrors [<SwitchParameter>] Allows the request to bypass any SSL certificate errors, such as the InvalidOperation error that occurs when the REST Service is bound to a self-signed certificate.	false	named		false	false

Attribute / Description	Parameters / Values				
	Required	**Position**	**Default Value**	**Accept Pipeline input?**	**Accept wildcard characters?**
Force [<SwitchParameter>] Suppresses any request for user input and supplies a 'yes' response. For example: -Force with a delete request will perform the delete without presenting the confirmation request to the user.	false	named		false	false
Timeout [<Int32>] The number of seconds to wait before the request to the DRA REST server times out. To specify an infinite timeout, you can set this parameter to -1. ***<CommonParameters>*** Verbose, Debug, ErrorAction, ErrorVariable, WarningAction, WarningVariable, OutBuffer, PipelineVariable, and OutVariable. For more information, see About CommonParameters (http://go.microsoft.com/fwlink/?LinkID=113216).	false	named	100 seconds	true (ByPropertyName)	false

NOTE: For more information, type "`Get-Help Find-DRAAdvancedQueries -detailed`". For technical information, type "`Get-Help Find-DRAAdvancedQueries -full`".

Example 2-4 *1*

```
PS C:\>Find-AdvancedQueries
```

Requests advanced queries from all folders.

Example 2-5 *2*

```
PS C:\>Find-AdvancedQueries -AdvacnedQueryOrFilter @{QueryFolder="My"}
```

Requests advanced queries from the ‘My’ folder.

Example 2-6 *3*

```
PS C:\>Find-AdvancedQueries -AdvancedQueryOrFilter @{QueryFolder="Public"}
```

Requests advanced queries from the ‘public’ folder.

Remove-DRAAdvancedQuery

Synopsis

Deletes an advanced query.

Syntax

```
Remove-DRAAdvancedQuery -Identifier <String> [-DRARestServer <String>] [-
DRARestPort <Int32>] [-IgnoreCertificateErrors <SwitchParameter>] [-Force
<SwitchParameter>] [-Timeout <Int32>] [<CommonParameters>]
```

Description

The Remove-DRAAdvancedQuery cmdlet deletes the specified advanced query.

Parameters

Attribute / Description	Parameters / Values				
	Required	**Position**	**Default Value**	**Accept Pipeline input?**	**Accept wildcard characters?**
Identifier <String> The advanced query identifier. The identifier format is `<folder>\<name>`.	true	named		true (ByPropertyName)	false
DRARestServer [<String>] The name of the computer running the DRA REST Service. The requested DRA operation will be sent to the REST Service running on the specified computer. If this parameter is not specified, then the cmdlet will attempt to discover a DRA REST Service to use.	false	named		true (ByPropertyName)	false
DRARestPort [<Int32>] The port number of the DRA REST Service. This parameter is only used when the DRARestServer parameter is also specified. If the DRARestServer parameter is specified but the DRARestPort is not, 8755 will be used as the default REST port.	false	named	8755	true (ByPropertyName)	false

Attribute / Description	Parameters / Values				
	Required	**Position**	**Default Value**	**Accept Pipeline input?**	**Accept wildcard characters?**
IgnoreCertificateErrors [<SwitchParameter>] Allows the request to bypass any SSL certificate errors, such as the InvalidOperation error that occurs when the REST Service is bound to a self-signed certificate.	false	named		false	false
Force [<SwitchParameter>] Suppresses any request for user input and supplies a 'yes' response. For example: -Force with a delete request will perform the delete without presenting the confirmation request to the user.	false	named		false	false
Timeout [<Int32>] The number of seconds to wait before the request to the DRA REST server times out. To specify an infinite timeout, you can set this parameter to -1. ***<CommonParameters>*** Verbose, Debug, ErrorAction, ErrorVariable, WarningAction, WarningVariable, OutBuffer, PipelineVariable, and OutVariable. For more information, see About CommonParameters (http://go.microsoft.com/fwlink/?LinkID=113216).	false	named	100 seconds	true (ByPropertyName)	false

NOTE: For more information, type "`Get-Help Remove-DRAAdvancedQuery -detailed`". For technical information, type "`Get-Help Remove-DRAAdvancedQuery -full`".

Example 2-7 *1*

```
PS C:\> Remove-DRAAdvancedQuery -Identifier "Public\AllComputers"
```

This example deletes the advanced query named AllComputers from the Public folder.

Set-DRAAdvancedQuery

Synopsis

Updates the properties of an existing advanced query in DRA.

Syntax

```
Set-DRAAdvancedQuery -Properties <Hashtable> -Identifier <String> [-
DRARestServer <String>] [-DRARestPort <Int32>] [-IgnoreCertificateErrors
<SwitchParameter>] [-Force <SwitchParameter>] [-Timeout <Int32>]
[<CommonParameters>]
```

Description

The Set-DRAAdvancedQuery cmdlet modifies the specified advanced query. The requesting user must have the Create Private Advanced Query power to update the properties of an existing private query and the Create Public Advanced Query power to update a public query. You must specify values for all the following properties even if their values have not changed:

BaseContainer, Description, Columns, IncludeChildContainers, and Query.

Parameters

Attribute / Description	Parameters / Values				
	Required	**Position**	**Default Value**	**Accept Pipeline input?**	**Accept wildcard characters?**
Properties <Hashtable> A hashtable of property values. The key is the name of a defined attribute in the REST interface. For example: `-Properties @{Attribute1DRADisplayName="my value"; Attribute2DRADisplayName=value}` Multiple values are specified as a comma-separated list. For example: `-Properties @{Attribute1DRADisplayName=value1, value2}` If the property name contains non-alphanumeric characters it needs to be quoted. For example: `-Properties @{"Attribute1-DRA-DisplayName"=value}` If the property value contains a quote it needs to be escaped with a backtick (`).  For example: `-Properties @{Attribute1DRADisplayName="`"sample`" value"}`	true	named		true (ByPropertyName)	false
Identifier <String> The advanced query identifier. The identifier format is `<folder>\<name>`.	true	named		true (ByPropertyName)	false

Attribute / Description	Parameters / Values				
	Required	**Position**	**Default Value**	**Accept Pipeline input?**	**Accept wildcard characters?**
DRARestServer [<String>] The name of the computer running the DRA REST Service. The requested DRA operation will be sent to the REST Service running on the specified computer. If this parameter is not specified, then the cmdlet will attempt to discover a DRA REST Service to use.	false	named		true (ByPropertyName)	false
DRARestPort [<Int32>] The port number of the DRA REST Service. This parameter is only used when the DRARestServer parameter is also specified. If the DRARestServer parameter is specified but the DRARestPort is not, 8755 will be used as the default REST port.	false	named	8755	true (ByPropertyName)	false
IgnoreCertificateErrors [<SwitchParameter>] Allows the request to bypass any SSL certificate errors, such as the InvalidOperation error that occurs when the REST Service is bound to a self-signed certificate.	false	named		false	false
Force [<SwitchParameter>] Suppresses any request for user input and supplies a 'yes' response. For example: -Force with a delete request will perform the delete without presenting the confirmation request to the user.	false	named		false	false
Timeout [<Int32>] The number of seconds to wait before the request to the DRA REST server times out. To specify an infinite timeout, you can set this parameter to -1.	false	named	100 seconds	true (ByPropertyName)	false

Attribute / Description	Parameters / Values				
	Required	**Position**	**Default Value**	**Accept Pipeline input?**	**Accept wildcard characters?**
<CommonParameters> Verbose, Debug, ErrorAction, ErrorVariable, WarningAction, WarningVariable, OutBuffer, PipelineVariable, and OutVariable. For more information, see About CommonParameters (http://go.microsoft.com/fwlink/?LinkID=113216).					

NOTE: For more information, type "`Get-Help Set-DRAAdvancedQuery -detailed`". For technical information, type "`Get-Help Set-DRAAdvancedQuery -full`".

Example 2-8 *1*

```
PS C:\>Set-DRAAdvancedQuery -Identifier  "My\Advanced Query 1" -Properties
@{Description="Some
description";Columns="Name","DisplayName","Description";Query="(objectClas
s=organizationalUnit)";BaseContainer="OnePoint://
OU=Accounting,DC=MyDomain,DC=corp";IncludeChildContainers=$True}
```

This example updates the properties of My\Advanced Query 1.

3 Entra ID Group Commands

This section contains cmdlets you can execute for Entra ID groups.

- "Add-AzureDRAGroupMembers" on page 31
- "Get-AzureDRAGroup" on page 36
- "Get-AzureDRAGroupMembers" on page 41
- "Get-AzureDRAGroupMembership" on page 44
- "New-AzureDRAGroup" on page 47
- "Remove-AzureDRAGroup" on page 51
- "Remove-AzureDRAGroupMembers" on page 53
- "Set-AzureDRAGroup" on page 58

- "Add-AzureDRAGroupMembers" on page 31
- "Get-AzureDRAGroup" on page 36
- "Get-AzureDRAGroupMembers" on page 41
- "Get-AzureDRAGroupMembership" on page 44
- "New-AzureDRAGroup" on page 47
- "Remove-AzureDRAGroup" on page 51
- "Remove-AzureDRAGroupMembers" on page 53
- "Set-AzureDRAGroup" on page 58

Add-AzureDRAGroupMembers

Synopsis

Adds members to an existing Entra ID group that is managed by DRA.

Syntax

```
Add-AzureDRAGroupMembers -Tenant <String> [-Contacts <String[]>] [-Groups
<String[]>] [-Users <String[]>] [-AzureContacts <String[]>] [-AzureGroups
<String[]>] [-AzureUsers <String[]>] -Identifier <String> [-DRARestServer
<String>] [-DRARestPort <Int32>] [-IgnoreCertificateErrors
<SwitchParameter>] [-Force <SwitchParameter>] [-Timeout <Int32>]
[<CommonParameters>]
```

Description

The Add-AzureDRAGroupMembers cmdlet adds objects to an Entra ID group managed by DRA. The requesting user must have the Add Object to Entra ID Group power or a custom power with the necessary powers for the requested attributes. The command accepts arrays of identifiers for each of the supported object types that can be members of a group. An identifier and at least one member must be specified.

Parameters

Attribute / Description	Values				
	Required	**Position**	**Default Value**	**Accept Pipeline input?**	**Accept wildcard characters?**
Contacts [<String[]>] An array of existing Active Directory contact identifiers to add to the Entra ID group. An identifier can be a distinguished name.	false	named		true (ByPropertyName)	false
Groups [<String[]>] An array of existing Active Directory group identifiers to add to the Entra ID group. An identifier can be a distinguished name.	false	named		true (ByPropertyName)	false
Users [<String[]>] An array of existing Active Directory user identifiers to add to the Entra ID group. An identifier can be a distinguished name.	false	named		true (ByPropertyName)	false
AzureContacts [<String[]>] An array of existing Entra ID contact identifiers to add to the Entra ID group. An identifier is a distinguished name. An identifier is a distinguished name, for example, CN=CB58BFCE-1E49-4FA5-AF0A-E2B5068F8073,AZ=corp", and multiple distinguished names can be comma separated. "CN=CB58BFCE-1E49-4FA5-AF0A-E2B5068F8073,AZ=corp", "CN=C503F54F-6357-4831-A74A-B2EA06ED6806,AZ=corp"	false	named		true (ByPropertyName)	false

Attribute / Description	Values				
	Required	**Position**	**Default Value**	**Accept Pipeline input?**	**Accept wildcard characters?**
AzureGroups [<String[]>] An array of existing Entra ID group identifiers to add to the Entra ID group. An identifier is a distinguished name, for example, `"CN=CB58BFCE-1E49-4FA5-AF0A-E2B5068F8073,az=corp"`, and multiple distinguished names can be comma separated:`"CN=CB58BFCE-1E49-4FA5-AF0A-E2B5068F8073,az=corp", "CN=C503F54F-6357-4831-A74A-B2EA06ED6806,az=corp"`	false	named		true (ByPropertyName)	false
AzureUsers [<String[]>] An array of existing Entra ID user identifiers to add to the Entra ID group. An identifier is a distinguished name, for example, `"CN=7939934-425325-35353-35235B,az=corp"`, and multiple distinguished names can be comma separated:`"CN=7939934-425325-35353-35235B,az=corp", "CN=A30226EA-6A55-43C1-B7AF-E694BDF97836,az=corp"`	false	named		true (ByPropertyName)	false
Identifier <String> The GUID of the Entra ID group. For example: `3FB3B182-FAA2-476A-9843-5F77B245DD03`	true	named		true (ByPropertyName)	false

Attribute / Description	Values				
	Required	**Position**	**Default Value**	**Accept Pipeline input?**	**Accept wildcard characters?**
Tenant <String> The Tenant ID of the object in GUID or displayname format. For example: `b201dhg8-087e-5n9d-9986-c4d987bfa0b1` or `MyTenant`	true	named		true (ByPropertyName)	false
DRARestServer [<String>] The name of the computer running the DRA REST Service. The requested DRA operation will execute on this server. If the parameter is not specified, the value defaults to 'localhost'.	false	named		true (ByPropertyName)	false
DRARestPort [<Int32>] The port where the DRA REST Service listens for requests. This parameter is used only when the DRARestServer parameter is also specified. If the parameter is not specified, the value defaults to 8755.	false	named	8755	true (ByPropertyName)	false
IgnoreCertificateErrors [<SwitchParameter>] Allows the request to bypass any SSL certificate errors, such as the InvalidOperation error that occurs when the REST Service is bound to a self-signed certificate.	false	named		false	false
Force [<SwitchParameter>] Suppresses any request for user input and supplies a 'yes' response. For example: -Force with a delete request will perform the delete without presenting the confirmation request to the user.	false	named		false	false

Attribute / Description	Values				
	Required	**Position**	**Default Value**	**Accept Pipeline input?**	**Accept wildcard characters?**
Timeout [<Int32>] The wait time in seconds before the request to the DRA REST server times out. To specify an infinite timeout, you can set this parameter to -1. ***<CommonParameters>*** Verbose, Debug, ErrorAction, ErrorVariable, WarningAction, WarningVariable, OutBuffer, PipelineVariable, and OutVariable. For more information, see About CommonParameters (http://go.microsoft.com/fwlink/?LinkID=113216).	false	named	100 seconds	true (ByPropertyName)	false

NOTE: For more information, type "`Get-Help Add-AzureDRAGroupMembers -detailed`". For technical information, type "`Get-Help Add-AzureDRAGroupMembers -full`".

Example 3-1 *1*

```
PS C:\>Add-AzureDRAGroupMembers -Tenant MyTenant -Identifier 23225bb1-
5ac0-4b4c-a23c-beb7fad44b65 -Contact "CN=My Contact,OU=ABC,OU=ABC-
Parent,DC=MYDOMAIN,DC=corp" -Groups "CN=My
Group,OU=Accounting,DC=MYDOMAIN,DC=corp" "-Users "CN=My
User,OU=Users,OU=ABC,OU=ABC-Parent,DC=MYDOMAIN,DC=corp" -AzureContacts
"CN=299b52d3-79be-4748-ab0f-e2374f0aa7b4,AZ=MyTenant" -AzureGroups
"CN=7939934-425325-35353-35235B,AZ=MyTenant" -AzureUsers "CN=CB58BFCE-
1E49-4FA5-AF0A-E2B5068F8073,AZ=MyTenant"
```

This example adds an Entra ID contact, an Entra ID group, an Entra ID user, a contact, a group, and a user to the Entra ID group identified by the GUID 23225bb1-5ac0-4b4c-a23c-beb7fad44b65 in the Entra ID tenant named MyTenant. Multiple Entra ID objects of any type can be added by using a comma to separate the members.

Example 3-2 *2*

```
PS C:\>Add-AzureDRAGroupMembers -Tenant MyTenant -Identifier 23225bb1-
5ac0-4b4c-a23c-beb7fad44b65 -Groups
"CN=MyGroup,OU=Accounting,DC=MYDOMAIN,DC=corp" -Users "CN=My
User,OU=Users,OU=ABC,OU=ABC-Parent,DC=MYDOMAIN,DC=corp" -AzureGroups
"CN=7939934-425325-35353-35235B,az=MyTenant" -AzureUsers "CN=CB58BFCE-
1E49-4FA5-AF0A-E2B5068F8073,az=MyTenant","CN=09A8BFCE-1E93-0AA5-990A-
A8C0579FB128,az=MyTenant"
```

This example adds an Entra ID group, two Entra ID users, a group, and a user to an Entra ID group in the Entra ID Tenant. Multiple Entra ID objects of any type can be added by using a comma to separate the members.

Get-AzureDRAGroup

Synopsis

Gets a group in Microsoft Entra ID.

Syntax

```
Get-AzureDRAGroup -Tenant <String> [-AzureGroupAndFilter <Hashtable>] [-
AzureGroupOrFilter <Hashtable>] [-Identifier <String>] [-Attributes
<String[]>] [-PowersForOperations <String[]>] [-VisiblePropertiesOnly
<SwitchParameter>] [-EnforceServerLimit <SwitchParameter>] [-
ObjectsPerResponse <Int32>] [-ResumeString <String>] [-DRARestServer
<String>] [-DRARestPort <Int32>] [-IgnoreCertificateErrors
<SwitchParameter>] [-Force <SwitchParameter>] [-Timeout <Int32>]
[<CommonParameters>]
```

Description

The Get-AzureDRAGroup cmdlet gets a group in Microsoft Entra ID. The requesting user must have the View All Entra ID Group Properties power or a custom power with the necessary powers for the requested attributes. You can view the default list of attributes or specify specific attributes. The default attributes for an Entra ID group include: `Path`, `DisplayName`, `Name`, `FriendlyName`, `FriendlyPath`, `ID`, `GroupType`, and `TenantIntID`.

See the examples for information on how to view specific attributes.

Parameters

Attribute / Description	Values				
	Required	**Position**	**Default Value**	**Accept Pipeline input?**	**Accept wildcard characters?**
AzureGroupAndFilter [<Hashtable>]	false	named		true (ByPropertyName)	false
The group properties to use when searching for group objects. Groups matching all of the listed properties will be returned.					

Attribute / Description	Values				
	Required	**Position**	**Default Value**	**Accept Pipeline input?**	**Accept wildcard characters?**
AzureGroupOrFilter [<Hashtable>] The group properties to when searching for group objects. Groups matching any of the listed properties will be returned.	false	named		true (ByPropertyName)	false
Identifier [<String>] The GUID of the Entra ID group. For example: `3FB3B182-FAA2-476A-9843-5F77B245DD03`	false	named		true (ByPropertyName)	false
Tenant <String> The Tenant ID of the object in GUID or displayname format. For example: `b201dhg8-087e-5n9d-9986-c4d987bfa0b1` or `MyTenant`	true	named		true (ByPropertyName)	false
Attributes [<String[]>] An array of attributes to retrieve specific values. If this parameter is missing, a default list of attributes is returned.	false	named		true (ByPropertyName)	false
PowersForOperations [<String[]>] An array of DRA operation names for which you want the server to return read/write permission information. This parameter is typically used by a UI-based client to hide or disable elements the calling user does not have powers for. The `PowersForOperations` parameter is applicable only if you have specified the `Identifier` parameter.	false	named		true (ByPropertyName)	false

Attribute / Description	Values				
	Required	**Position**	**Default Value**	**Accept Pipeline input?**	**Accept wildcard characters?**
VisiblePropertiesOnly [<SwitchParameter>] A flag to indicate whether DRA should return only properties the caller has power to view. By default, DRA will return an error if the caller requests a property that they do not have power to view. By specifying this flag, DRA is instructed to not return an error and instead just not return a value for such properties.	false	named		false	false
EnforceServerLimit [<SwitchParameter>] A switch parameter indicates that the search results should be limited by the search result limit on the DRA Server. The typical server limit is 1000 items. The default is true.	false	named		false	false
ObjectsPerResponse [<Nullable`1>] The number of objects to return in a response. The default is 250.	false	named		false	false

Attribute / Description	Values				
	Required	**Position**	**Default Value**	**Accept Pipeline input?**	**Accept wildcard characters?**
ResumeString [<String>] When multiple responses are needed to return all of the search results to the client, this parameter indicates the last item returned from the server. The value of this parameter would be set using the ResumeString attribute from the previous set of results. The ResumeString may look like this:`"CN=MYUser160,CN=Users,DC=MyDomain,DC=corp"` or `"CN=679F4DD0-5C6C-412F-B600-DCADD401DA0D,az=3e6d3c95-7249-4036-8af5-e6a4f517bd68"` The `EnforceServerLimit`, `ObjectsPerResponse`, and `ResumeString` parameters are applicable only when the `Identifier` parameter is not specified.	false	named		false	false
DRARestServer [<String>] The name of the computer running the DRA REST Service. The requested DRA operation will execute on this server. If the parameter is not specified, the value defaults to 'localhost'.	false	named		true (ByPropertyName)	false
DRARestPort [<Int32>] The port where the DRA REST Service listens for requests. This parameter is used only when the DRARestServer parameter is also specified. If the parameter is not specified, the value defaults to 8755.	false	named	8755	true (ByPropertyName)	false

Attribute / Description	Values				
	Required	**Position**	**Default Value**	**Accept Pipeline input?**	**Accept wildcard characters?**
IgnoreCertificateErrors [<SwitchParameter>] Allows the request to bypass any SSL certificate errors, such as the InvalidOperation error that occurs when the REST Service is bound to a self-signed certificate.	false	named		false	false
Force [<SwitchParameter>] Suppresses any request for user input and supplies a 'yes' response. For example: -Force with a delete request will perform the delete without presenting the confirmation request to the user.	false	named		false	false
Timeout [<Int32>] The wait time in seconds before the request to the DRA REST server times out. To specify an infinite timeout, you can set this parameter to -1. ***<CommonParameters>*** Verbose, Debug, ErrorAction, ErrorVariable, WarningAction, WarningVariable, OutBuffer, PipelineVariable, and OutVariable. For more information, see About CommonParameters (http://go.microsoft.com/fwlink/?LinkID=113216).	false	named	100 seconds	true (ByPropertyName)	false

NOTE: For more information, type "`Get-Help Get-AzureDRAGroup -detailed`". For technical information, type "`Get-Help Get-AzureDRAGroup -full`".

Example 3-3 *1*

```
PS C:\>Get-AzureDRAGroup -Tenant b201dhg8-087e-5n9d-9986-c4d987bfa0b1 -
Identifier 23225bb1-5ac0-4b4c-a23c-beb7fad44b65 -Attributes
"Name","ID","FriendlyPath","FriendlyParentPath","FriendlyName"
```

This example requests the properties of the group 23225bb1-5ac0-4b4c-a23c-beb7fad44b65 in the tenant b201dhg8-087e-5n9d-9986-c4d987bfa0b1. The Attributes parameter specifies what properties to return. When the Attributes parameter is not present, a default list of properties will be returned.

Example 3-4 *2*

```
PS C:\>Get-AzureDRAGroup -Tenant b201dhg8-087e-5n9d-9986-c4d987bfa0b1 -
AzureGroupOrFilter @{Name="AA*"} -ObjectsPerResponse 50
```

```
PS C:\>Get-AzureDRAGroup -Tenant b201dhg8-087e-5n9d-9986-c4d987bfa0b1 -
AzureGroupOrFilter @{Name="AA*"} -ObjectsPerResponse 50 -ResumeString
"CN=BE4907B3-E6E3-4E22-B6A6-DCA5EC92F7DF,az=b201dhg8-087e-5n9d-9986-
c4d987bfa0b1"
```

This example returns Entra ID groups whose names begin with "AA" in the tenant b201dhg8-087e-5n9d-9986-c4d987bfa0b1. If there are more objects than the number specified in ObjectsPerResponse, the ResumeString will be returned which can be used in a subsequent call to retrieve the next object set. The next line in this example shows how to use the ResumeString in the subsequent call.

Example 3-5 *3*

```
PS C:\>Get-AzureDRAGroup -Tenant MyTenant -AzureUserOrFilter
@{MultiMatch="PF"}
```

In this example, a filter search will be conducted using "PF" with Multimatch.

Get-AzureDRAGroupMembers

Synopsis

Gets the list of members for an Entra ID group.

Syntax

```
Get-AzureDRAGroupMembers -Tenant <String> -Identifier <String> [-
EnforceServerLimit <SwitchParameter>] [-Attributes <String[]>] [-
DRARestServer <String>] [-DRARestPort <Int32>] [-IgnoreCertificateErrors
<SwitchParameter>] [-Force <SwitchParameter>] [-Timeout <Int32>]
[<CommonParameters>]
```

Description

The Get-AzureDRAGroupMembers cmdlet returns the members of the requested Entra ID group. The requesting user must have the View All Entra ID Group Properties power or a custom power with the necessary powers for the requested attributes. You can view the default list of attributes or specify specific attributes. You can also control the number of members returned in the results, and iterate result sets, if necessary. See the examples for information on how to view specific attributes and how to control the pages of results returned from the server. The response will also have the attribute TotalObjectCount which contains the total number of results available from the server. You can use this attribute to determine the total number of members in the group, and the number of result sets that will be needed to process all of the members.

Parameters

Attribute / Description	Values				
	Required	**Position**	**Default Value**	**Accept Pipeline input?**	**Accept wildcard characters?**
Identifier <String> The GUID of the Entra ID group. For example: `3FB3B182-FAA2-476A-9843-5F77B245DD03`	true	named		true (ByPropertyName)	false
Tenant <String> The Tenant ID of the object in GUID or displayname format. For example: `b201dhg8-087e-5n9d-9986-c4d987bfa0b1` or `MyTenant`	true	named		true (ByPropertyName)	false
EnforceServerLimit [<SwitchParameter>] A switch parameter to indicate that the search results should be limited by the search result limit on the DRA Server. The typical server limit is 1000 items. The default is true.	false	named		false	false
Attributes [<String[]>] An array of attributes to retrieve specific values. If this parameter is missing, a default list of attributes is returned.	false	named		true (ByPropertyName)	false
DRARestServer [<String>] The name of the computer running the DRA REST Service. The requested DRA operation will execute on this server. If the parameter is not specified, the value defaults to 'localhost'.	false	named		true (ByPropertyName)	false

Attribute / Description	Values				
	Required	**Position**	**Default Value**	**Accept Pipeline input?**	**Accept wildcard characters?**
DRARestPort [<Int32>] The port where the DRA REST Service listens for requests. This parameter is used only when the DRARestServer parameter is also specified. If the parameter is not specified, the value defaults to 8755.	false	named	8755	true (ByPropertyName)	false
IgnoreCertificateErrors [<SwitchParameter>] Allows the request to bypass any SSL certificate errors, such as the InvalidOperation error that occurs when the REST Service is bound to a self-signed certificate.	false	named		false	false
Force [<SwitchParameter>] Suppresses any request for user input and supplies a 'yes' response. For example: -Force with a delete request will perform the delete without presenting the confirmation request to the user.	false	named		false	false
Timeout [<Int32>] The wait time in seconds before the request to the DRA REST server times out. To specify an infinite timeout, you can set this parameter to -1.	false	named	100 seconds	true (ByPropertyName)	false
<CommonParameters> Verbose, Debug, ErrorAction, ErrorVariable, WarningAction, WarningVariable, OutBuffer, PipelineVariable, and OutVariable. For more information, see About CommonParameters (http://go.microsoft.com/fwlink/?LinkID=113216).					

NOTE: For more information, type "`Get-Help Get-AzureDRAGroupMembers -detailed`". For technical information, type "`Get-Help Get-AzureDRAGroupMembers -full`".

Example 3-6 *1*

```
PS C:\>Get-AzureDRAGroupMembers -Tenant b201dhg8-087e-5n9d-9986-
c4d987bfa0b1 -Identifier 23225bb1-5ac0-4b4c-a23c-beb7fad44b65
```

This example retrieves the members for the Identifier which resides in the Tenant.

Example 3-7 *2*

```
PS C:\>Get-AzureDRAGroupMembers -Tenant b201dhg8-087e-5n9d-9986-
c4d987bfa0b1 -Identifier 23225bb1-5ac0-4b4c-a23c-beb7fad44b65 -
ObjectsPerResponse 10
```

This example retrieves a limited number of members for the Identifier which resides in the Tenant. The server should return a maximum of 10 items in the response.

Get-AzureDRAGroupMembership

Synopsis

Retrieves the list of groups that contain the Entra ID group or Entra ID user specified by the Identifier and IdentifierClass parameters.

Syntax

```
Get-AzureDRAGroupMembership -Tenant <String> -IdentifierClass <String> -
Identifier <String> [-EnforceServerLimit <SwitchParameter>] [-Attributes
<String[]>] [-DRARestServer <String>] [-DRARestPort <Int32>] [-
IgnoreCertificateErrors <SwitchParameter>] [-Force <SwitchParameter>] [-
Timeout <Int32>] [<CommonParameters>]
```

Description

The Get-AzureDRAGroupMembership cmdlet returns the groups that have the Identifier object as a member. The requesting user must have the View All Entra ID Group Properties power or a custom power with the necessary powers for the requested attribute. You can view the default list of attributes or specify specific attributes. You can also control the number of groups returned in the results, and iterate result sets, if necessary. See the examples for information on how to view specific attributes and control the pages of results returned from the server. The response will also have the attribute TotalObjectCount which contains the total number of groups containing the Identifier object as a member.

Parameters

Attribute / Description	Values				
	Required	**Position**	**Default Value**	**Accept Pipeline input?**	**Accept wildcard characters?**
IdentifierClass <String> Specifies the object type of the Identifier. Valid values are `azuregroup` and `azureuser`.	true	named		true (ByPropertyName)	false
Identifier <String> The GUID of the Entra ID object. For example: `3FB3B182-FAA2-476A-9843-5F77B245DD03`	true	named		true (ByPropertyName)	false
Tenant <String> The Tenant ID of the object in GUID or displayname format. For example: `b201dhg8-087e-5n9d-9986-c4d987bfa0b1` or `MyTenant`	true	named		true (ByPropertyName)	false
EnforceServerLimit [<SwitchParameter>] A switch parameter to indicate that the search results should be limited by the search result limit on the DRA Server. The typical server limit is 1000 items. The default is true.	false	named		false	false
Attributes [<String[]>] An array of attributes to retrieve specific values. If this parameter is missing, a default list of attributes is returned.	false	named		true (ByPropertyName)	false
DRARestServer [<String>] The name of the computer running the DRA REST Service. The requested DRA operation will execute on this server. If the parameter is not specified, the value defaults to 'localhost'.	false	named		true (ByPropertyName)	false

Attribute / Description	Values				
	Required	**Position**	**Default Value**	**Accept Pipeline input?**	**Accept wildcard characters?**
DRARestPort [<Int32>] The port where the DRA REST Service listens for requests. This parameter is used only when the DRARestServer parameter is also specified. If the parameter is not specified, the value defaults to 8755.	false	named	8755	true (ByPropertyName)	false
IgnoreCertificateErrors [<SwitchParameter>] Allows the request to bypass any SSL certificate errors, such as the InvalidOperation error that occurs when the REST Service is bound to a self-signed certificate.	false	named		false	false
Force [<SwitchParameter>] Suppresses any request for user input and supplies a 'yes' response. For example: -Force with a delete request will perform the delete without presenting the confirmation request to the user.	false	named		false	false
Timeout [<Int32>] The wait time in seconds before the request to the DRA REST server times out. To specify an infinite timeout, you can set this parameter to -1. ***<CommonParameters>*** Verbose, Debug, ErrorAction, ErrorVariable, WarningAction, WarningVariable, OutBuffer, PipelineVariable, and OutVariable. For more information, see About CommonParameters (http://go.microsoft.com/fwlink/?LinkID=113216).	false	named	100 seconds	true (ByPropertyName)	false

NOTE: For more information, type "`Get-Help Get-AzureDRAGroupMembership -detailed`". For technical information, type "`Get-Help Get-AzureDRAGroupMembership -full`".

Example 3-8 *1*

```
PS C:\>Get-AzureDRAGroupMembership  -Tenant b201dhg8-087e-5n9d-9986-
c4d987bfa0b1 -Identifier 23225bb1-5ac0-4b4c-a23c-beb7fad44b65 -
IdentifierClass "azuregroup" -Attributes "Id","Name"
```

This example requests the list of groups containing the Entra ID group in the tenant b201dhg8-087e-5n9d-9986-c4d987bfa0b1. Identifier contains the GUID for the object. The results will contain the set of attributes requested in the Attributes parameter. If the Attributes parameter is not provided, a default list of properties will be returned.

New-AzureDRAGroup

Synopsis

Creates a group in Microsoft Entra ID.

Syntax

```
New-AzureDRAGroup -Tenant <String> [-Members <String[]>] [-Owners
<String[]>] -Properties <Hashtable> [-DRARestServer <String>] [-
DRARestPort <Int32>] [-IgnoreCertificateErrors <SwitchParameter>] [-Force
<SwitchParameter>] [-Timeout <Int32>] [<CommonParameters>]
```

Description

The New-AzureDRAGroup cmdlet creates a group in Microsoft Entra ID. The requesting user must have the Create Entra ID Group and Modify All Properties power or a custom power with the necessary powers for the requested attributes.

Parameters

Attribute / Description	Values				
	Required	**Position**	**Default Value**	**Accept Pipeline input?**	**Accept wildcard characters?**
Members [<String[]>] Adds members while creating an Entra ID group by providing the distinguished name of each member. For example: `"CN=John Smith,OU=Sales,DC=MyCompany,DC=COM"`	false	named	false	true (ByPropertyName)	false

Attribute / Description	Values				
	Required	**Position**	**Default Value**	**Accept Pipeline input?**	**Accept wildcard characters?**
Owners [<String[]>] Adds owners while creating an Entra ID group by providing the distinguished name of each owner. For example: `"CN=Rick Jones,OU=Executives,DC=MyCompany,DC=COM"`	false	named	false	true (ByPropertyName)	false
Properties <Hashtable> A hashtable of property values. The key is the name of a defined attribute in the REST interface. For example: `-Properties @{Attribute1DRADisplayName="my value"; Attribute2DRADisplayName=value}` Multiple values are specified as a comma-separated list. For example: `-Properties @{Attribute1DRADisplayName=value1, value2}` If the property name contains non-alphanumeric characters it needs to be quoted. For example: `-Properties @{"Attribute1-DRA-DisplayName"=value}` If the property value contains a quote it needs to be escaped with a backtick (`).  For example: `-Properties @{Attribute1DRADisplayName="`"sample`" value"}`	true	named		true (ByPropertyName)	false
Tenant <String> The Tenant ID of the object in GUID or displayname format. For example: `b201dhg8-087e-5n9d-9986-c4d987bfa0b1` or `MyTenant`	true	named		true (ByPropertyName)	false

Attribute / Description	Values				
	Required	**Position**	**Default Value**	**Accept Pipeline input?**	**Accept wildcard characters?**
DRARestServer [<String>] The name of the computer running the DRA REST Service. The requested DRA operation will execute on this server. If the parameter is not specified, the value defaults to 'localhost'.	false	named		true (ByPropertyName)	false
DRARestPort [<Int32>] The port where the DRA REST Service listens for requests. This parameter is used only when the DRARestServer parameter is also specified. If the parameter is not specified, the value defaults to 8755.	false	named	8755	true (ByPropertyName)	false
IgnoreCertificateErrors [<SwitchParameter>] Allows the request to bypass any SSL certificate errors, such as the InvalidOperation error that occurs when the REST Service is bound to a self-signed certificate.	false	named		false	false
Force [<SwitchParameter>] Suppresses any request for user input and supplies a 'yes' response. For example: -Force with a delete request will perform the delete without presenting the confirmation request to the user.	false	named		false	false
Timeout [<Int32>] The wait time in seconds before the request to the DRA REST server times out. To specify an infinite timeout, you can set this parameter to -1.	false	named	100 seconds	true (ByPropertyName)	false

Attribute / Description	Values				
	Required	Position	Default Value	Accept Pipeline input?	Accept wildcard characters?
<CommonParameters> Verbose, Debug, ErrorAction, ErrorVariable, WarningAction, WarningVariable, OutBuffer, PipelineVariable, and OutVariable. For more information, see About CommonParameters (http://go.microsoft.com/fwlink/?LinkID=113216).					

NOTE: For more information, type "`Get-Help New-AzureDRAGroup -detailed`". For technical information, type "`Get-Help New-AzureDRAGroup -full`".

Example 3-9 *1*

```
PS C:\>New-AzureDRAGroup  -Tenant MyTenant -Properties
@{DisplayName="MyGroup";GroupType="Security"}
```

This example creates an Entra ID group named MyGroup of type Security in Microsoft Entra ID using the DisplayName property. The Entra ID group will be created in the tenant MyTenant. There are three properties set on this Entra ID group. The Entra ID group will be a security-enabled Entra ID group.

Example 3-10 *2*

```
PS C:\>New-AzureDRAGroup -Tenant MyTenant -Properties
@{DisplayName="MyGroup";MailNickName="MyGroup";GroupType="Distribution
list";Mail="MyGroup@MyTenant.online.com"}
```

This example creates an Entra ID group named MyGroup of type Distribution in Microsoft Entra ID using the DisplayName property. The Entra ID group will be created in the tenant MyTenant. There are four properties set on this Entra ID group. The Entra ID group will not be a security-enabled Entra ID group.

Example 3-11 *3*

```
PS C:\>New-AzureDRAGroup -Tenant MyTenant -Properties
@{DisplayName="MyGroup";MailNickName="MyGroup";GroupType="Mail-Enabled
security";Mail="MyGroup@MyTenant.online.com"}
```

This example creates an Entra ID group named MyGroup of type Mail-Enabled Security in Microsoft Entra ID using the DisplayName property. The Entra ID group will be created in the tenant MyTenant. There are four properties set on this Entra ID group. The Entra ID group will not be a security-enabled Entra ID group.

Example 3-12 *4*

```
PS C:\>New-AzureDRAGroup -Tenant MyTenant -Properties
@{DisplayName="MyGroup";MailNickName="MyGroup";GroupType="Office365";Mail=
"MyGroup@MyTenant.online.com"} -Owners "CN=b7795c1d-6341-4d83-9aa9-
5bd465f81c59,AZ=MyTenant","CN=MyUser,DC=MyDomain,DC=COM" -DRARestServer
localhost -DRARestPort 9000 -IgnoreCertificateErrors -Force -Timeout 180
```

This example creates an Entra ID group named MyGroup of type Office 365 in Microsoft Entra ID using the DisplayName property. The Entra ID group will be created in the tenant MyTenant. The Entra ID group will not be a security-enabled Entra ID group. It specifies the server and its and REST port. Also, it ignores certificate errors and suppresses confirmations.

Example 3-13 *5*

```
PS C:>New-AzureDRAGroup -Tenant MyTenant -Properties
@{DisplayName="MyGroup";groupType="Security";Mail="MyGroup
@MyTenant.online.com"} -Owners "CN=b7795c1d-6341-4d83-9aa9-
5bd465f81c59,AZ=MyTenant","CN=MyUser,DC=MyDomain,DC=COM" -DRARestServer
localhost -DRARestPort 8755 -IgnoreCertificateErrors -Force
```

This example creates an Entra ID group named MyGroup of type Security. The Entra ID group will be created in the tenant MyTenant. This example adds Entra ID objects and synced objects as owners to the group while creating a group.

Example 3-14 *6*

```
PS C:\>New-AzureDRAGroup -Tenant MyTenant -Properties
@{DisplayName="MyGroup";groupType="Mail-enabled
security";Mail="MyGroup@MyTenant.online.com"} -Members
"CN=MyUser,dc=MyDomain,dc=COM", "CN=b68faff8-6496-4308-a9b9-
8375e03e00f2,az=a131cea8-097d-4f9e-9816-b2d758bfa0b1", "CN=314c6f4c6a05-
41e8-a3ba-7bdbaa3e122c,az=MyTenant", "CN=8acfc08d-a1c1-4183-945e-
67f2a7737190,az=MyTenant" -DRARestServer localhost -DRARestPort 8755 -
IgnoreCertificateErrors -Force
```

This example creates an Microsoft group named MyGroup of type Mail-enabled security. The Entra ID group will be created in the tenant MyTenant. This example adds Entra ID objects and synced objects as members to the group while creating a group.

Remove-AzureDRAGroup

Synopsis

Removes a group from Microsoft Entra ID.

Syntax

```
Remove-AzureDRAGroup -Tenant <String> -Identifier <String> [-DRARestServer
<String>] [-DRARestPort <Int32>] [-IgnoreCertificateErrors
<SwitchParameter>] [-Force <SwitchParameter>] [-Timeout <Int32>]
[<CommonParameters>]
```

Description

The Remove-AzureDRAGroup cmdlet removes a group from Microsoft Entra ID. The requesting user must have the Delete Entra ID Group Account power.

Parameters

Attribute / Description	Values				
	Required	**Position**	**Default Value**	**Accept Pipeline input?**	**Accept wildcard characters?**
Identifier <String> The GUID of the Entra ID group. For example: `3FB3B182-FAA2-476A-9843-5F77B245DD03`	true	named		true (ByPropertyName)	false
Tenant <String> The Tenant ID of the object in GUID or displayname format. For example: `b201dhg8-087e-5n9d-9986-c4d987bfa0b1` or `MyTenant`	true	named		true (ByPropertyName)	false
DRARestServer [<String>] The name of the computer running the DRA REST Service. The requested DRA operation will execute on this server. If the parameter is not specified, the value defaults to 'localhost'.	false	named		true (ByPropertyName)	false
DRARestPort [<Int32>] The port where the DRA REST Service listens for requests. This parameter is used only when the DRARestServer parameter is also specified. If the parameter is not specified, the value defaults to 8755.	false	named	8755	true (ByPropertyName)	false
IgnoreCertificateErrors [<SwitchParameter>] Allows the request to bypass any SSL certificate errors, such as the InvalidOperation error that occurs when the REST Service is bound to a self-signed certificate.	false	named		false	false

Attribute / Description	Values				
	Required	**Position**	**Default Value**	**Accept Pipeline input?**	**Accept wildcard characters?**
Force [<SwitchParameter>] Suppresses any request for user input and supplies a 'yes' response. For example: -Force with a delete request will perform the delete without presenting the confirmation request to the user.	false	named		false	false
Timeout [<Int32>] The wait time in seconds before the request to the DRA REST server times out. To specify an infinite timeout, you can set this parameter to -1.	false	named	100 seconds	true (ByPropertyName)	false
<CommonParameters> Verbose, Debug, ErrorAction, ErrorVariable, WarningAction, WarningVariable, OutBuffer, PipelineVariable, and OutVariable. For more information, see About CommonParameters (http://go.microsoft.com/fwlink/?LinkID=113216).					

NOTE: For more information, type "`Get-Help Remove-AzureDRAGroup -detailed`". For technical information, type "`Get-Help Remove-AzureDRAGroup -full`".

Example 3-15 *1*

```
PS C:\>Remove-AzureDRAGroup  -Tenant b201dhg8-087e-5n9d-9986-c4d987bfa0b1
-Identifier 23225bb1-5ac0-4b4c-a23c-beb7fad44b65
```

This example deletes the Entra ID group identified by GUID 23225bb1-5ac0-4b4c-a23c-beb7fad44b65 in the tenant identified by GUID b201dhg8-087e-5n9d-9986-c4d987bfa0b1. The Identifier parameter contains the GUID of the Entra ID group.

Remove-AzureDRAGroupMembers

Synopsis

Removes members of an existing group managed by DRA.

Syntax

```
Remove-AzureDRAGroupMembers -Tenant <String> [-Contacts <String[]>] [-
Groups <String[]>] [-Users <String[]>] [-AzureContacts <String[]>] [-
AzureGroups <String[]>] [-AzureUsers <String[]>] -Identifier <String> [-
DRARestServer <String>] [-DRARestPort <Int32>] [-IgnoreCertificateErrors
<SwitchParameter>] [-Force <SwitchParameter>] [-Timeout <Int32>]
[<CommonParameters>]
```

Description

The Remove-AzureDRAGroupMembers cmdlet removes members from an Entra ID group managed by DRA. The requesting user must have the Remove Object from Entra ID Group power. The command accepts arrays of identifiers for each of the supported object types that can be members of the group. An identifier and at least one member must be specified.

Parameters

Attribute / Description	Values				
	Required	**Position**	**Default Value**	**Accept Pipeline input?**	**Accept wildcard characters?**
Contacts [<String[]>] An array of existing Active Directory contact identifiers to remove from the Entra ID group. An identifier can be a distinguished name.	false	named		true (ByPropertyName)	false
Groups [<String[]>] An array of existing Active Directory group identifiers to remove from the Entra ID group. An identifier can be a distinguished name.	false	named		true (ByPropertyName)	false
Users [<String[]>] An array of existing Active Directory user identifiers to remove from the Entra ID group. An identifier can be a distinguished name.	false	named		true (ByPropertyName)	false

Attribute / Description	Values				
	Required	**Position**	**Default Value**	**Accept Pipeline input?**	**Accept wildcard characters?**
AzureContacts [<String[]>] An array of existing Entra ID contact identifiers to remove from the Entra ID group. An identifier is a distinguished name, for example, "CN=CB58BFCE-1E49-4FA5-AF0A-E2B5068F8073,AZ=corp", and multiple distinguished names can be comma separated. "CN=CB58BFCE-1E49-4FA5-AF0A-E2B5068F8073,AZ=corp", "CN=C503F54F-6357-4831-A74A-B2EA06ED6806,AZ=corp"	false	named		true (ByPropertyName)	false
AzureGroups [<String[]>] An array of existing Entra ID group identifiers to remove from the Entra ID group. An identifier is a distinguished name, for example, `"CN=CB58BFCE-1E49-4FA5-AF0A-E2B5068F8073,az=corp",` and multiple distinguished names can be comma separated:`"CN=CB58BFCE-1E49-4FA5-AF0A-E2B5068F8073,az=corp", "CN=C503F54F-6357-4831-A74A-B2EA06ED6806,az=corp"`	false	named		true (ByPropertyName)	false

Attribute / Description	Values				
	Required	**Position**	**Default Value**	**Accept Pipeline input?**	**Accept wildcard characters?**
AzureUsers [<String[]>] An array of existing Entra ID user identifiers to remove from the Azure group. An identifier is a distinguished name, for example, `"CN=7939934-425325-35353-35235B,az=corp"`, and multiple distinguished names can be comma separated:`"CN=7939934-425325-35353-35235B,az=corp", "CN=A30226EA-6A55-43C1-B7AF-E694BDF97836,az=corp"`	false	named		true (ByPropertyName)	false
Identifier <String> The GUID of the Entra ID group. For example: `3FB3B182-FAA2-476A-9843-5F77B245DD03`	true	named		true (ByPropertyName)	false
Tenant <String> The Tenant ID of the object in GUID or displayname format. For example: `b201dhg8-087e-5n9d-9986-c4d987bfa0b1` or `MyTenant`	true	named		true (ByPropertyName)	false
DRARestServer [<String>] The name of the computer running the DRA REST Service. The requested DRA operation will execute on this server. If the parameter is not specified, the value defaults to 'localhost'.	false	named		true (ByPropertyName)	false

Attribute / Description	Values				
	Required	**Position**	**Default Value**	**Accept Pipeline input?**	**Accept wildcard characters?**
DRARestPort [<Int32>] The port where the DRA REST Service listens for requests. This parameter is used only when the DRARestServer parameter is also specified. If the parameter is not specified, the value defaults to 8755.	false	named	8755	true (ByPropertyName)	false
IgnoreCertificateErrors [<SwitchParameter>] Allows the request to bypass any SSL certificate errors, such as the InvalidOperation error that occurs when the REST Service is bound to a self-signed certificate.	false	named		false	false
Force [<SwitchParameter>] Suppresses any request for user input and supplies a 'yes' response. For example: -Force with a delete request will perform the delete without presenting the confirmation request to the user.	false	named		false	false
Timeout [<Int32>] The wait time in seconds before the request to the DRA REST server times out.To specify an infinite timeout, you can set this parameter to -1.	false	named	100 seconds	true (ByPropertyName)	false
<CommonParameters> Verbose, Debug, ErrorAction, ErrorVariable, WarningAction, WarningVariable, OutBuffer, PipelineVariable, and OutVariable. For more information, see About CommonParameters (http://go.microsoft.com/fwlink/?LinkID=113216).					

NOTE: For more information, type "`Get-Help Remove-AzureDRAGroupMembers -detailed`". For technical information, type "`Get-Help Remove-AzureDRAGroupMembers -full`".

Example 3-16 *1*

```
PS C:\>Remove-AzureDRAGroupMembers -Tenant MyTenant -Identifier 23225bb1-
5ac0-4b4c-a23c-beb7fad44b65 -Contact "CN=My Contact,OU=ABC,OU=ABC-
Parent,DC=MYDOMAIN,DC=corp" -Groups "CN=My
Group,OU=Accounting,DC=MYDOMAIN,DC=corp" "-Users
"CN=MyUser,OU=Users,OU=ABC,OU=ABC-Parent,DC=MYDOMAIN,DC=corp" -
AzureContacts "CN=299b52d3-79be-4748-ab0f-e2374f0aa7b4,AZ=MyTenant" -
AzureGroups "CN=7939934-425325-35353-35235B,AZ=MyTenant" -AzureUsers
"CN=CB58BFCE-1E49-4FA5-AF0A-E2B5068F8073,AZ=MyTenant"
```

This example removes an Entra ID contact, an Entra ID group, an Entra ID user, a contact, a group, and a user from the Entra ID group identified by the GUID 23225bb1-5ac0-4b4c-a23c-beb7fad44b65 in the Entra ID tenant named MyTenant. Multiple Entra ID objects of any type could be removed by using a comma to separate the members.

Example 3-17 *2*

```
PS C:\>Remove-AzureDRAGroupMembers -Tenant MyTenant -Identifier 23225bb1-
5ac0-4b4c-a23c-beb7fad44b65 -Groups
"CN=MyGroup,OU=Accounting,DC=MYDOMAIN,DC=corp" -Users "CN=My
User,OU=Users,OU=ABC,OU=ABC-Parent,DC=MYDOMAIN,DC=corp" -AzureGroups
"CN=7939934-425325-35353-35235B,az=MyTenant" -AzureUsers "CN=CB58BFCE-
1E49-4FA5-AF0A-E2B5068F8073,az=MyTenant","CN=09A8BFCE-1E93-0AA5-990A-
A8C0579FB128,az=MyTenant"
```

This example removes an Entra ID group, two Entra ID users, a group, and a user from an Entra ID group in the Entra ID Tenant. Multiple Entra ID objects of any type can be removed by using a comma to separate the members.

Set-AzureDRAGroup

Synopsis

Updates a specific group in Microsoft Entra ID.

Syntax

```
Set-AzureDRAGroup -Tenant <String> -Properties <Hashtable> -Identifier
<String> [-DRARestServer <String>] [-DRARestPort <Int32>] [-
IgnoreCertificateErrors <SwitchParameter>] [-Force <SwitchParameter>] [-
Timeout <Int32>] [<CommonParameters>]
```

Description

The Set-AzureDRAGroup cmdlet updates a group in Microsoft Entra ID. The requesting user must have the Modify All Entra ID Group Properties or a custom power with the necessary powers for the requested attributes.

Parameters

Attribute / Description	Values				
	Required	**Position**	**Default Value**	**Accept Pipeline input?**	**Accept wildcard characters?**
Properties <Hashtable> A hashtable of property values. The key is the name of a defined attribute in the REST interface. For example: `-Properties @{Attribute1DRADisplayName="my value"; Attribute2DRADisplayName=value}` Multiple values are specified as a comma-separated list. For example: `-Properties @{Attribute1DRADisplayName=value1, value2}` If the property name contains non-alphanumeric characters it needs to be quoted. For example: `-Properties @{"Attribute1-DRA-DisplayName"=value}` If the property value contains a quote it needs to be escaped with a backtick (`).  For example: `-Properties @{Attribute1DRADisplayName="``"sample``" value"}`	true	named		true (ByPropertyName)	false
Identifier <String> The GUID of the Entra ID group. For example: `3FB3B182-FAA2-476A-9843-5F77B245DD03`	true	named		true (ByPropertyName)	false
Tenant <String> The Tenant ID of the object in GUID or displayname format. For example: `b201dhg8-087e-5n9d-9986-c4d987bfa0b1` or `MyTenant`	true	named		true (ByPropertyName)	false

Attribute / Description	Values				
	Required	**Position**	**Default Value**	**Accept Pipeline input?**	**Accept wildcard characters?**
DRARestServer [<String>] The name of the computer running the DRA REST Service. The requested DRA operation will execute on this server. If the parameter is not specified, the value defaults to 'localhost'.	false	named		true (ByPropertyName)	false
DRARestPort [<Int32>] The port where the DRA REST Service listens for requests. This parameter is used only when the DRARestServer parameter is also specified. If the parameter is not specified, the value defaults to 8755.	false	named	8755	true (ByPropertyName)	false
IgnoreCertificateErrors [<SwitchParameter>] Allows the request to bypass any SSL certificate errors, such as the InvalidOperation error that occurs when the REST Service is bound to a self-signed certificate.	false	named		false	false
Force [<SwitchParameter>] Suppresses any request for user input and supplies a 'yes' response. For example: -Force with a delete request will perform the delete without presenting the confirmation request to the user.	false	named		false	false
Timeout [<Int32>] The wait time in seconds before the request to the DRA REST server times out. To specify an infinite timeout, you can set this parameter to -1.	false	named	100 seconds	true (ByPropertyName)	false

Attribute / Description	Values				
	Required	Position	Default Value	Accept Pipeline input?	Accept wildcard characters?
<CommonParameters> Verbose, Debug, ErrorAction, ErrorVariable, WarningAction, WarningVariable, OutBuffer, PipelineVariable, and OutVariable. For more information, see About CommonParameters (http://go.microsoft.com/fwlink/?LinkID=113216).					

NOTE: For more information, type "`Get-Help Set-AzureDRAGroup -detailed`". For technical information, type "`Get-Help Set-AzureDRAGroup -full`".

Example 3-18 *1*

```
PS C:\>Set-AzureDRAGroup -Tenant MyTenant -Identifier 23225bb1-5ac0-4b4c-
a23c-beb7fad44b65 -Properties @{Description="Test
description";GroupOwnersAdd="CN=a89cc7f6-1e9f-41fc-9715-
f3e27fb1f4cb,az=MyTenant"}
```

This example updates the description property and the owner of the group 23225bb1-5ac0-4b4c-a23c-beb7fad44b65 in tenant b201dhg8-087e-5n9d-9986-c4d987bfa0b1.

Example 3-19 *2*

```
PS C:\>Set-AzureDRAGroup -Tenant MyTenant -Identifier 57333c17-6761-4cde-
9e66-ad32b7a240e9 -Properties @{GroupOwnersAdd="CN=24fdbef7-717e-4449-
b840-75df0a89cf2c,az=MyTenant", "CN=My User,DC=MyDomain,DC=COM "}
-DRARestServer localhost -DRARestPort 9000 -IgnoreCertificateErrors -Force
```

This example adds Entra ID objects and synced objects to the group while updating the group.

4 Entra ID Contact Commands

This section contains cmdlets you can execute for Entra ID contact objects.

NOTE: Multi-value attributes are not supported for Entra ID contacts.

- "Get-AzureDRAContact" on page 63
- "New-AzureDRAContact" on page 68
- "Remove-AzureDRAContact" on page 71
- "Set-AzureDRAContact" on page 74

Get-AzureDRAContact

Synopsis

Retrieves information about a contact from Microsoft Entra ID.

Syntax

```
Get-AzureDRAContact -Tenant <String> [-AzureContactAndFilter <Hashtable>]
[-AzureContactOrFilter <Hashtable>] [-Identifier <String>] [-Attributes
<String[]>] [-PowersForOperations <String[]>] [-VisiblePropertiesOnly
<SwitchParameter>] [-EnforceServerLimit <SwitchParameter>] [-
ObjectsPerResponse <Int32>] [-ResumeString <String>] [-DRARestServer
<String>] [-DRARestPort <Int32>] [-IgnoreCertificateErrors
<SwitchParameter>] [-Force <SwitchParameter>] [-Timeout <Int32>]
[<CommonParameters>]
```

Description

The Get-AzureDRAContact cmdlet retrieves properties of one or more contacts from Microsoft Entra ID. The requesting user must have the View All Entra ID Contact Properties power or a custom power with the necessary powers for the requested attributes. You can view the default list of attributes or specify specific attributes. The default attributes for an Entra ID contact include: `DisplayName`, `FriendlyPath`, `ID`, `Path`, and `TenantIntID`.

Parameters

Attribute / Description	Values				
	Required	**Position**	**Default Value**	**Accept Pipeline input?**	**Accept wildcard characters?**
AzureContactAndFilter [<Hashtable>] The contact attributes to use for searching Entra ID contact objects. Entra ID contacts matching all of the listed attributes will be returned.	false	named		true (ByPropertyName)	false
AzureContactOrFilter [<Hashtable>] The contact attributes to use for searching Entra ID contact objects. Entra ID contacts matching any of the listed attributes will be returned.	false	named		true (ByPropertyName)	false
Identifier [<String>] The GUID or display name of the Entra ID contact.	false	named		true (ByPropertyName)	false
Tenant <String> The Tenant ID of the object in GUID or display name format. For example: `b201dhg8-087e-5n9d-9986-c4d987bfa0b1` or `MyTenant`	true	named		true (ByPropertyName)	false
Attributes [<String[]>] An array of attributes to retrieve specific values. If this parameter is missing, a default list of attributes is returned.	false	named		true (ByPropertyName)	false

Attribute / Description	Values				
	Required	**Position**	**Default Value**	**Accept Pipeline input?**	**Accept wildcard characters?**
PowersForOperations [<String[]>]	false	named		true (ByPropertyName)	false
An array of DRA operation names for which you want the server to return read/write permission information. This parameter is typically used by a UI-based client to hide or disable elements the calling user doesn't have powers for. The `PowersForOperations` parameter is applicable only if you have specified the `Identifier` parameter.					
VisiblePropertiesOnly [<SwitchParameter>]	false	named		false	false
A flag to indicate whether DRA should return only properties the caller has powers to view. By default, DRA will return an error if the caller requests a property that they do not have powers to view. By specifying this flag DRA is instructed to not return an error and instead just not return a value for such attributes.					
EnforceServerLimit [<SwitchParameter>]	false	named		false	false
A switch parameter indicates that the search results should be limited by the search result limit on the DRA Server. The typical server limit is 1000 items. The default is true.					
ObjectsPerResponse [<Nullable`1>]	false	named		false	false
The number of objects to return in a response. The default is 250.					

Attribute / Description	Values				
	Required	**Position**	**Default Value**	**Accept Pipeline input?**	**Accept wildcard characters?**
ResumeString [<String>] This parameter indicates the last item returned from the server when multiple responses are needed to return all the search results to the client. The value of this parameter is set using the ResumeString property from the previous set of results. The ResumeString looks like: `"CN=MYUser160,CN=Users,DC=MyDomain,DC=corp"` The `EnforceServerLimit`, `ObjectsPerResponse`, and `ResumeString` parameters are applicable only when the `Identifier` parameter is not specified.	false	named		false	false
DRARestServer [<String>] The name of the computer running the DRA REST Service. The requested DRA operation will execute on this server. If the parameter is not specified, the value defaults to 'localhost'.	false	named		true (ByPropertyName)	false
DRARestPort [<Int32>] The port where the DRA REST Service listens for requests. This parameter is used only when the DRARestServer parameter is also specified. If the parameter is not specified, the value defaults to 8755.	false	named	8755	true (ByPropertyName)	false
IgnoreCertificateErrors [<SwitchParameter>] Allows the request to bypass any SSL certificate errors, such as the InvalidOperation error that occurs when the REST Service is bound to a self-signed certificate.	false	named		false	false

Attribute / Description	Values				
	Required	**Position**	**Default Value**	**Accept Pipeline input?**	**Accept wildcard characters?**
Force [<SwitchParameter>] Suppresses any request for user input and supplies a 'yes' response. For example: -Force with a delete request will perform the delete without presenting the confirmation request to the user.	false	named		false	false
Timeout [<Int32>] The wait time in seconds before the request to the DRA REST server times out. To specify an infinite timeout, you can set this parameter to -1.	false	named	100 seconds	true (ByPropertyName)	false
<CommonParameters> Verbose, Debug, ErrorAction, ErrorVariable, WarningAction, WarningVariable, OutBuffer, PipelineVariable, and OutVariable. For more information, see About CommonParameters (http://go.microsoft.com/fwlink/?LinkID=113216).					

NOTE: For more information, type "`Get-Help Get-AzureDRAContact -detailed`". For technical information, type "`Get-Help Get-AzureDRAContact -full`".

Example 4-1 *1*

```
PS C:\>Get-AzureDRAContact -Tenant b201dhg8-087e-5n9d-9986-c4d987bfa0b1 -
Identifier 23225bb1-5ac0-4b4c-a23c-beb7fad44b65 -Attributes
"Name","DisplayName","ID","FriendlyPath","FriendlyParentPath","FriendlyNam
e"
```

This example requests the properties of the Entra ID contact identified by the GUID 23225bb1-5ac0-4b4c-a23c-beb7fad44b65 in the tenant b201dhg8-087e-5n9d-9986-c4d987bfa0b1. The Attributes parameter specifies what properties to return. When the Attributes parameter is not present, a default list of properties will be returned.

Example 4-2 *2*

```
PS C:\>Get-AzureDRAContact -Tenant b201dhg8-087e-5n9d-9986-c4d987bfa0b1 -
AzureContactOrFilter @{Name="PF*"} -ObjectsPerResponse 50
```

In this example, DRA will search in the tenant b201dhg8-087e-5n9d-9986-c4d987bfa0b1 for Entra ID contacts having a name attribute beginning with "PF". The server should return a maximum of 50 items in the response. If there are more objects than the number specified in the `ObjectsPerResponse` parameter, the `ResumeString` parameter will be returned which can be used in a subsequent call to retrieve the next object set. The next line in this example shows how to use the `ResumeString` parameter in the subsequent call.

PS C:\>Get-AzureDRAContact -Tenant b201dhg8-087e-5n9d-9986-c4d987bfa0b1 -AzureContactOrFilter @{Name="PF*"} -ObjectsPerResponse 50 -ResumeString "CN=770DF55D-062B-4115-A8AF-A6A865A4BA00,AZ=b201dhg8-087e-5n9d-9986-c4d987bfa0b1"

Example 4-3 *3*

```
PS C:\>Get-AzureDRAContact -Tenant MyTenant -AzureContactOrFilter
@{MultiMatch="SCH"}
```

In this example, a filtered search will be conducted using "SCH" with Multimatch. For more information, see “Multi-Field Searching” in the *Directory and Resource Administrator User Guide*.

New-AzureDRAContact

Synopsis

Creates a contact in Microsoft Entra ID.

Syntax

```
New-AzureDRAContact -Tenant <String> -Properties <Hashtable> [-
DRARestServer <String>] [-DRARestPort <Int32>] [-IgnoreCertificateErrors
<SwitchParameter>] [-Force <SwitchParameter>] [-Timeout <Int32>]
[<CommonParameters>]
```

Description

The New-AzureDRAContact cmdlet creates a contact in Microsoft Entra ID. The requesting user must have the Create Entra ID Contact and Modify All Properties power or a custom power with the necessary powers for the requested attributes. Use the Properties parameter to specify the values to use when creating the Entra ID contact.

Parameters

Attribute / Description	Values				
	Required	**Position**	**Default Value**	**Accept Pipeline input?**	**Accept wildcard characters?**
Properties <Hashtable> A hashtable of property values. The key is the name of a defined attribute in the REST interface. For example: `-Properties @{Attribute1DRADisplayName="my value"; Attribute2DRADisplayName=value}` Multiple values are specified as a comma-separated list. For example: `-Properties @{Attribute1DRADisplayName=value1, value2}` If the property name contains non-alphanumeric characters it needs to be quoted. For example: `-Properties @{"Attribute1-DRA-DisplayName"=value}` If the property value contains a quote it needs to be escaped with a backtick (`).  For example: `-Properties @{Attribute1DRADisplayName="``"sample``" value"}`	true	named		true (ByPropertyName)	false
Tenant <String> The Tenant ID of the object in GUID or display name format. For example: `b201dhg8-087e-5n9d-9986-c4d987bfa0b1` or `MyTenant`	true	named		true (ByPropertyName)	false

Attribute / Description	Values				
	Required	**Position**	**Default Value**	**Accept Pipeline input?**	**Accept wildcard characters?**
DRARestServer [<String>] The name of the computer running the DRA REST Service. The requested DRA operation will execute on this server. If the parameter is not specified, the value defaults to 'localhost'.	false	named		true (ByPropertyName)	false
DRARestPort [<Int32>] The port where the DRA REST Service listens for requests. This parameter is used only when the DRARestServer parameter is also specified. If the parameter is not specified, the value defaults to 8755.	false	named	8755	true (ByPropertyName)	false
IgnoreCertificateErrors [<SwitchParameter>] Allows the request to bypass any SSL certificate errors, such as the InvalidOperation error that occurs when the REST Service is bound to a self-signed certificate.	false	named		false	false
Force [<SwitchParameter>] Suppresses any request for user input and supplies a 'yes' response. For example: -Force with a delete request will perform the delete without presenting the confirmation request to the user.	false	named		false	false
Timeout [<Int32>] The wait time in seconds before the request to the DRA REST server times out. To specify an infinite timeout, you can set this parameter to -1.	false	named	100 seconds	true (ByPropertyName)	false

Attribute / Description	Values				
	Required	Position	Default Value	Accept Pipeline input?	Accept wildcard characters?
<CommonParameters> Verbose, Debug, ErrorAction, ErrorVariable, WarningAction, WarningVariable, OutBuffer, PipelineVariable, and OutVariable. For more information, see About CommonParameters (http://go.microsoft.com/fwlink/?LinkID=113216).					

NOTE: For more information, type "`Get-Help New-AzureDRAContact -detailed`". For technical information, type "`Get-Help New-AzureDRAContact -full`".

Example 4-4 *1*

```
PS C:\>New-AzureDRAContact -Tenant MyTenant -Properties
@{Name="MyContact";Mail="mycontact@Mycompany.corp";MailNickName="mycontact
"};
```

This example creates an Entra ID contact named MyContact in Microsoft Entra ID using the Name property. The Entra ID contact will be created in the tenant MyTenant. There are two properties set on this Entra ID contact.

Example 4-5 *2*

```
PS C:\>New-AzureDRAContact -Tenant MyTenant -Properties
@{FirstName="My";LastName="Contact1";Name="MyContact1";DisplayName="My
Contact1";Mail="mycontact1@Mycompany.corp";MailNickName="mycontact1"};
```

This example creates an Entra ID contact named MyContact in Microsoft Entra ID using the Name property. The Entra ID contact will be created in the tenant MyTenant. There are five properties set on this Entra ID contact.

Remove-AzureDRAContact

Synopsis

Removes a contact from Microsoft Entra ID.

Syntax

```
Remove-AzureDRAContact -Tenant <String> -Identifier <String> [-
DRARestServer <String>] [-DRARestPort <Int32>] [-IgnoreCertificateErrors
<SwitchParameter>] [-Force <SwitchParameter>] [-Timeout <Int32>]
[<CommonParameters>]
```

Description

The Remove-AzureDRAContact cmdlet removes a contact in Microsoft Entra ID. The requesting user must have the Delete Entra ID Contact Account power.

Parameters

Attribute / Description	Values				
	Required	**Position**	**Default Value**	**Accept Pipeline input?**	**Accept wildcard characters?**
Identifier <String> The GUID or display name of the Entra ID contact.	true	named		true (ByPropertyName)	false
Tenant <String> The Tenant ID of the object in GUID or display name format. For example: `b201dhg8-087e-5n9d-9986-c4d987bfa0b1` or `MyTenant`	true	named		true (ByPropertyName)	false
DRARestServer [<String>] The name of the computer running the DRA REST Service. The requested DRA operation will execute on this server. If the parameter is not specified, the value defaults to 'localhost'.	false	named		true (ByPropertyName)	false
DRARestPort [<Int32>] The port where the DRA REST Service listens for requests. This parameter is used only when the DRARestServer parameter is also specified. If the parameter is not specified, the value defaults to 8755.	false	named	8755	true (ByPropertyName)	false

Attribute / Description	Values				
	Required	**Position**	**Default Value**	**Accept Pipeline input?**	**Accept wildcard characters?**
IgnoreCertificateErrors [<SwitchParameter>] Allows the request to bypass any SSL certificate errors, such as the InvalidOperation error that occurs when the REST Service is bound to a self-signed certificate.	false	named		false	false
Force [<SwitchParameter>] Suppresses any request for user input and supplies a 'yes' response. For example: -Force with a delete request will perform the delete without presenting the confirmation request to the user.	false	named		false	false
Timeout [<Int32>] The wait time in seconds before the request to the DRA REST server times out. To specify an infinite timeout, you can set this parameter to -1. ***<CommonParameters>*** Verbose, Debug, ErrorAction, ErrorVariable, WarningAction, WarningVariable, OutBuffer, PipelineVariable, and OutVariable. For more information, see About CommonParameters (http://go.microsoft.com/fwlink/?LinkID=113216).	false	named	100 seconds	true (ByPropertyName)	false

NOTE: For more information, type "`Get-Help Remove-AzureDRAContact -detailed`". For technical information, type "`Get-Help Remove-AzureDRAContact -full`".

Example 4-6 *1*

```
PS C:\>Remove-AzureDRAContact -Tenant b201dhg8-087e-5n9d-9986-c4d987bfa0b1
-Identifier 23225bb1-5ac0-4b4c-a23c-beb7fad44b65
```

This example deletes the Entra ID contact identified by GUID 23225bb1-5ac0-4b4c-a23c-beb7fad44b65 in the tenant identified by GUID b201dhg8-087e-5n9d-9986-c4d987bfa0b1. The Identifier parameter contains the GUID of the Entra ID contact.

Set-AzureDRAContact

Synopsis

Updates a contact in Microsoft Entra ID.

Syntax

```
Set-AzureDRAContact -Tenant <String> [-Properties <Hashtable>] [-Replace
<Hashtable>] [-Add <Hashtable>] [-Remove <Hashtable>] [-Clear <String[]>] -
Identifier <String> [-DRARestServer <String>] [-DRARestPort <Int32>] [-
IgnoreCertificateErrors <SwitchParameter>] [-Force <SwitchParameter>] [-
Timeout <Int32>] [<CommonParameters>]
```

Description

The Set-AzureDRAContact cmdlet updates a contact in Microsoft Entra ID. The requesting user must have the Modify All Entra ID Contact Properties power or a custom power with the necessary powers for the requested attributes.

Parameters

Attribute / Description	Values				
	Required	**Position**	**Default Value**	**Accept Pipeline input?**	**Accept wildcard characters?**
Properties <Hashtable> A hashtable of property values. The key is the name of a defined attribute in the REST interface. For example: `-Properties @{Attribute1DRADisplayName="my value"; Attribute2DRADisplayName=value}` Multiple values are specified as a comma-separated list. For example: `-Properties @{Attribute1DRADisplayName=value1, value2}` If the property name contains non-alphanumeric characters it needs to be quoted. For example: `-Properties @{"Attribute1-DRA-DisplayName"=value}` If the property value contains a quote it needs to be escaped with a backtick (`).  For example: `-Properties @{Attribute1DRADisplayName="`"sample`" value"}`	true	named		true (ByPropertyName)	false

Attribute / Description	Values				
	Required	**Position**	**Default Value**	**Accept Pipeline input?**	**Accept wildcard characters?**
Replace [<Hashtable>] A Hashtable of property values to replace the current set of values for the specified property. The key is the name of a defined property in the REST interface. For example: `-Replace @{Attribute1DRADisplayName="my value"; Attribute2DRADisplayName=value}` Multiple values are specified as a comma-separated list and will replace currently set values. For example: `-Replace @{Attribute1DRADisplayName=value1, value2}` If the property name contains non-alphanumeric characters it needs to be quoted. For example: `-Replace @{"Attribute1-DRA-DisplayName"=value}` If the property value contains a quote it needs to be escaped with a backtick (`).  For example: `-Replace @{Attribute1DRADisplayName="`"sample`" value"}`	false	named		true (ByPropertyName)	false

Attribute / Description	Values				
	Required	**Position**	**Default Value**	**Accept Pipeline input?**	**Accept wildcard characters?**
Add [<Hashtable>] A Hashtable of property values to add to the current set of values for the specified multi-valued property. The key is the name of a defined property in the REST interface. For example: `-Add @{Attribute1DRADisplayName=value; Attribute2DRADisplayName=value1, value2; ...; AttributeNDRADisplayName=value1, value2}` Multiple values are specified as a comma-separated list. For example: `-Add @{Attribute1DRADisplayName=value1, value2}}` If the property name contains non-alphanumeric characters it needs to be quoted. For example: `-Add @{"Attribute1-DRA-DisplayName"=value}` If the property value contains a quote it needs to be escaped with a backtick (`).  For example:`-Add @{Attribute1DRADisplayName="`"sample`" value"}`	false	named		true (ByPropertyName)	false

Attribute / Description	Values				
	Required	**Position**	**Default Value**	**Accept Pipeline input?**	**Accept wildcard characters?**
Remove [<Hashtable>] A Hashtable of property values to remove from the current set of values for the specified multi-valued property. The key is the name of a defined property in the REST interface. For example: `-Remove @{Attribute1DRADisplayName=value; Attribute2DRADisplayName=value1, value2; ...; AttributeNDRADisplayName=value1, value2}` Multiple values are specified as a comma-separated list and will be removed from currently set values. For example: `-Remove @{Attribute1DRADisplayName=value1,value2}` If the property name contains non-alphanumeric characters it needs to be quoted. For example: `-Remove @{"Attribute1-DRA-DisplayName"=value}` If the property value contains a quote it needs to be escaped with a backtick (`).  For example: `-Remove @{Attribute1DRADisplayName="`"sample`" value"}`	false	named		true (ByPropertyName)	false

Attribute / Description	Values				
	Required	**Position**	**Default Value**	**Accept Pipeline input?**	**Accept wildcard characters?**
Clear [<String>] An array of property names whose values will be cleared. Each name is the name of a defined property in the REST interface. For example: `-Clear "Attribute1-DRA-DisplayName"` Multiple values need to be separated by a comma. For example: `-Clear Attribute1DRADisplayName, Attribute2DRADisplayName`	false	named		true (ByPropertyName)	false
Identifier <String> The GUID or display name of the Entra ID contact.	true	named		true (ByPropertyName)	false
Tenant <String> The Tenant ID of the object in GUID or display name format. For example: `b201dhg8-087e-5n9d-9986-c4d987bfa0b1` or `MyTenant`	true	named		true (ByPropertyName)	false
DRARestServer [<String>] The name of the computer running the DRA REST Service. The requested DRA operation will execute on this server. If the parameter is not specified, the value defaults to 'localhost'.	false	named		true (ByPropertyName)	false
DRARestPort [<Int32>] The port where the DRA REST Service listens for requests. This parameter is used only when the DRARestServer parameter is also specified. If the parameter is not specified, the value defaults to 8755.	false	named	8755	true (ByPropertyName)	false

Attribute / Description	Values				
	Required	**Position**	**Default Value**	**Accept Pipeline input?**	**Accept wildcard characters?**
IgnoreCertificateErrors [<SwitchParameter>] Allows the request to bypass any SSL certificate errors, such as the InvalidOperation error that occurs when the REST Service is bound to a self-signed certificate.	false	named		false	false
Force [<SwitchParameter>] Suppresses any request for user input and supplies a 'yes' response. For example: -Force with a delete request will perform the delete without presenting the confirmation request to the user.	false	named		false	false
Timeout [<Int32>] The wait time in seconds before the request to the DRA REST server times out. To specify an infinite timeout, you can set this parameter to -1. ***<CommonParameters>*** Verbose, Debug, ErrorAction, ErrorVariable, WarningAction, WarningVariable, OutBuffer, PipelineVariable, and OutVariable. For more information, see About CommonParameters (http://go.microsoft.com/fwlink/?LinkID=113216).	false	named	100 seconds	true (ByPropertyName)	false

NOTE: For more information, type "`Get-Help Set-AzureDRAContact -detailed`". For technical information, type "`Get-Help Set-AzureDRAContact -full`".

Example 4-7 *1*

```
PS C:\>Set-AzureDRAContact -Tenant b201dhg8-087e-5n9d-9986-c4d987bfa0b1 -
Identifier 23225bb1-5ac0-4b4c-a23c-beb7fad44b65 -Properties
@{Company="MyCompany";Department="Sales"}
```

This example updates the Company and Department properties of the Entra ID contact identified by the 23225bb1-5ac0-4b4c-a23c-beb7fad44b65 in the tenant b201dhg8-087e-5n9d-9986-c4d987bfa0b1. The identifier contains the GUID for the Entra ID contact.

Example 4-8 *2*

```
PS C:\>Set-AzureDRAContact -Tenant MyTenant -Identifier Contact123 -
Properties @{AcceptMessagesOnlyFromSendersOrMembers="CN=24fdbef7-717e-
4449-b840-75df0a89cf2c,AZ=MyTenant";City="Houston"}";
```

This example updates the AcceptMessagesOnlyFromSendersOrMembers and City properties of the contact Contact123 in the tenant MyTenant. The identifier contains the GUID for the Entra ID contact. When the identifier format is the name, DRA resolves the name to the full distinguished name and then the update request is sent.

Example 4-9 *3*

```
PS C:\>Set-AzureDRAContact -Tenant MyTenant -Identifier 23225bb1-5ac0-
4b4c-a23c-beb7fad44b65 -Properties @{AllowSignOn=$true}
```

This command enables the user account. If the user account is to be disabled, set AllowSignOn to $false.

5 Entra ID User Commands

This section contains cmdlets you can execute for Entra ID user objects.

- "Get-AzureDRAUser" on page 83
- "New-AzureDRAUser" on page 88
- "Remove-AzureDRAUser" on page 92
- "Set-AzureDRAUser" on page 94
- "Set-AzureDRAUserPassword" on page 101
- "New-AzureDRAMSInvitation" on page 104

Get-AzureDRAUser

Synopsis

Gets gets a user from Microsoft Entra ID.

Syntax

```
Get-AzureDRAUser -Tenant <String> [-AzureUserAndFilter <Hashtable>] [-
AzureUserOrFilter <Hashtable>] [-Identifier <String>] [-Attributes
<String[]>] [-PowersForOperations <String[]>] [-VisiblePropertiesOnly
<SwitchParameter>] [-EnforceServerLimit <SwitchParameter>] [-
ObjectsPerResponse <Int32>] [-ResumeString <String>] [-DRARestServer
<String>] [-DRARestPort <Int32>] [-IgnoreCertificateErrors
<SwitchParameter>] [-Force <SwitchParameter>] [-Timeout <Int32>]
[<CommonParameters>]
```

Description

The Get-AzureDRAUser cmdlet gets a user from Microsoft Entra ID. The requesting user must have the View All Entra ID User Properties power or a custom power with the necessary powers for the requested attributes. You can view the default list of attributes or specify specific attributes. The default attributes for an Entra ID user include: `Path`, `DisplayName`, `FriendlyPath`, `ID`, `IsDisabled`, `UserPrincipalName`, `UserType`, and `TenantIntID`.

See the examples for information on how to view specific attributes.

Parameters

Attribute / Description	Values				
	Required	**Position**	**Default Value**	**Accept Pipeline input?**	**Accept wildcard characters?**
AzureUserAndFilter [<Hashtable>] The user attributes to use for searching Entra ID user objects. Entra ID users matching all of the listed attributes will be returned.	false	named		true (ByPropertyName)	false
AzureUserOrFilter [<Hashtable>] The user attributes to use for searching Entra ID user objects. Entra ID users matching any of the listed attributes will be returned.	false	named		true (ByPropertyName)	false
Identifier [<String>] The GUID or UPN of the Entra ID user. When the Identifier is a UPN, the Tenant parameter will be ignored.	false	named		true (ByPropertyName)	false
Tenant <String> The Tenant ID of the object in GUID or displayname format. For example: `b201dhg8-087e-5n9d-9986-c4d987bfa0b1` or `MyTenant`	true	named		true (ByPropertyName)	false
Attributes [<String[]>] An array of attributes to retrieve specific values. If this parameter is missing, a default list of attributes is returned.	false	named		true (ByPropertyName)	false

Attribute / Description	Values				
	Required	**Position**	**Default Value**	**Accept Pipeline input?**	**Accept wildcard characters?**
PowersForOperations [<String[]>]	false	named		true (ByPropertyName)	false
An array of DRA operation names for which you want the server to return read/write permission information. This parameter is typically used by a UI-based client to hide or disable elements the calling user doesn't have powers for. The `PowersForOperations` parameter is applicable only if you have specified the `Identifier` parameter.					
VisiblePropertiesOnly [<SwitchParameter>]	false	named		false	false
A flag to indicate whether DRA should return only properties the caller has powers to view. By default, DRA will return an error if the caller requests a property that they do not have powers to view. By specifying this flag DRA is instructed to not return an error and instead just not return a value for such attributes.					
EnforceServerLimit [<SwitchParameter>]	false	named		false	false
A switch parameter indicates that the search results should be limited by the search result limit on the DRA Server. The typical server limit is 1000 items. The default is true.					
ObjectsPerResponse [<Nullable`1>]	false	named		false	false
The number of objects to return in a response. The default is 250.					

Attribute / Description	Values				
	Required	**Position**	**Default Value**	**Accept Pipeline input?**	**Accept wildcard characters?**
ResumeString [<String>] This parameter indicates the last item returned from the server when multiple responses are needed to return all the search results to the client. The value of this parameter is set using the ResumeString property from the previous set of results. The ResumeString looks like: `"CN=MYUser160,CN=Users,DC=MyDomain,DC=corp"` The `EnforceServerLimit`, `ObjectsPerResponse`, and `ResumeString` parameters are applicable only when the `Identifier` parameter is not specified.	false	named		false	false
DRARestServer [<String>] The name of the computer running the DRA REST Service. The requested DRA operation will execute on this server. If the parameter is not specified, the value defaults to 'localhost'.	false	named		true (ByPropertyName)	false
DRARestPort [<Int32>] The port where the DRA REST Service listens for requests. This parameter is used only when the DRARestServer parameter is also specified. If the parameter is not specified, the value defaults to 8755.	false	named	8755	true (ByPropertyName)	false
IgnoreCertificateErrors [<SwitchParameter>] Allows the request to bypass any SSL certificate errors, such as the InvalidOperation error that occurs when the REST Service is bound to a self-signed certificate.	false	named		false	false

Attribute / Description	Values				
	Required	**Position**	**Default Value**	**Accept Pipeline input?**	**Accept wildcard characters?**
Force [<SwitchParameter>] Suppresses any request for user input and supplies a 'yes' response. For example: -Force with a delete request will perform the delete without presenting the confirmation request to the user.	false	named		false	false
Timeout [<Int32>] The wait time in seconds before the request to the DRA REST server times out. To specify an infinite timeout, you can set this parameter to -1.	false	named	100 seconds	true (ByPropertyName)	false
<CommonParameters> Verbose, Debug, ErrorAction, ErrorVariable, WarningAction, WarningVariable, OutBuffer, PipelineVariable, and OutVariable. For more information, see About CommonParameters (http://go.microsoft.com/fwlink/?LinkID=113216).					

NOTE: For more information, type "`Get-Help Get-AzureDRAUser -detailed`". For technical information, type "`Get-Help Get-AzureDRAUser -full`".

Example 5-1 *1*

```
PS C:\>Get-AzureDRAUser -Tenant b201dhg8-087e-5n9d-9986-c4d987bfa0b1 -
Identifier 23225bb1-5ac0-4b4c-a23c-beb7fad44b65 -Attributes
"Name","DisplayName","ID","FriendlyPath","FriendlyParentPath","FriendlyNam
e"
```

This example requests the properties of the user 23225bb1-5ac0-4b4c-a23c-beb7fad44b65 in the tenant b201dhg8-087e-5n9d-9986-c4d987bfa0b1. The Attributes parameter specifies what properties to return. When the Attributes parameter is not present, a default list of properties will be returned.

Example 5-2 *2*

```
PS C:\>Get-AzureDRAUser -Tenant b201dhg8-087e-5n9d-9986-c4d987bfa0b1 -
AzureUserOrFilter @{Name="PF*"} -IncludeChildContainers -
ObjectsPerResponse 50

PS C:\>Get-AzureDRAUser -Tenant b201dhg8-087e-5n9d-9986-c4d987bfa0b1 -
AzureUserOrFilter @{Name="PF*"} -IncludeChildContainers -
ObjectsPerResponse 50 -ResumeString "CN=770DF55D-062B-4115-A8AF-
A6A865A4BA00,az=b201dhg8-087e-5n9d-9986-c4d987bfa0b1"
```

In this example, DRA will search in the Tenant b201dhg8-087e-5n9d-9986-c4d987bfa0b1 for Entra ID users having a name attribute beginning with "PF". The server should return a maximum of 50 items in the response. If there are more objects than the number specified in ObjectsPerResponse, the ResumeString will be returned which can be used in a subsequent call to retrieve the next object set. The next line in this example shows how to use the ResumeString in the subsequent call.

Example 5-3 *3*

```
PS C:\>Get-AzureDRAUser -Tenant MyTenant -AzureUserOrFilter
@{MultiMatch="SCH"}
```

In this example, a filtered search will be conducted using "SCH" with Multimatch.

New-AzureDRAUser

Synopsis

Creates a user in Microsoft Entra ID.

Syntax

```
New-AzureDRAUser -Tenant <String> [-Password <String>] -Properties
<Hashtable> [-DRARestServer <String>] [-DRARestPort <Int32>] [-
IgnoreCertificateErrors <SwitchParameter>] [-Force <SwitchParameter>] [-
Timeout <Int32>] [<CommonParameters>]
```

Description

The New-AzureDRAUser cmdlet creates a user in Microsoft Entra ID. The requesting user must have the Create Entra ID User and Modify All Properties power or a custom power with the necessary powers for the requested attributes. Use the Properties parameter to specify the values to use when creating the Entra ID user.

Parameters

Attribute / Description	Values				
	Required	**Position**	**Default Value**	**Accept Pipeline input?**	**Accept wildcard characters?**
Password [<String>] The value of the new password that should be set on the user account. The password must meet the password policies set for the domain.	false	named		true (ByPropertyName)	false
Properties <Hashtable> A hashtable of property values. The key is the name of a defined attribute in the REST interface. For example: `-Properties @{Attribute1DRADisplayName="my value"; Attribute2DRADisplayName=value}` Multiple values are specified as a comma-separated list. For example: `-Properties @{Attribute1DRADisplayName=value1, value2}` If the property name contains non-alphanumeric characters it needs to be quoted. For example: `-Properties @{"Attribute1-DRA-DisplayName"=value}` If the property value contains a quote it needs to be escaped with a backtick (`).  For example: `-Properties @{Attribute1DRADisplayName="`"sample`" value"}`	true	named		true (ByPropertyName)	false
Tenant <String> The Tenant ID of the object in GUID or displayname format. For example: `b201dhg8-087e-5n9d-9986-c4d987bfa0b1` or `MyTenant`	true	named		true (ByPropertyName)	false

Attribute / Description	Values				
	Required	**Position**	**Default Value**	**Accept Pipeline input?**	**Accept wildcard characters?**
DRARestServer [<String>] The name of the computer running the DRA REST Service. The requested DRA operation will execute on this server. If the parameter is not specified, the value defaults to 'localhost'.	false	named		true (ByPropertyName)	false
DRARestPort [<Int32>] The port where the DRA REST Service listens for requests. This parameter is used only when the DRARestServer parameter is also specified. If the parameter is not specified, the value defaults to 8755.	false	named	8755	true (ByPropertyName)	false
IgnoreCertificateErrors [<SwitchParameter>] Allows the request to bypass any SSL certificate errors, such as the InvalidOperation error that occurs when the REST Service is bound to a self-signed certificate.	false	named		false	false
Force [<SwitchParameter>] Suppresses any request for user input and supplies a 'yes' response. For example: -Force with a delete request will perform the delete without presenting the confirmation request to the user.	false	named		false	false
Timeout [<Int32>] The wait time in seconds before the request to the DRA REST server times out. To specify an infinite timeout, you can set this parameter to -1.	false	named	100 seconds	true (ByPropertyName)	false

Attribute / Description	Values				
	Required	Position	Default Value	Accept Pipeline input?	Accept wildcard characters?
<CommonParameters> Verbose, Debug, ErrorAction, ErrorVariable, WarningAction, WarningVariable, OutBuffer, PipelineVariable, and OutVariable. For more information, see About CommonParameters (http://go.microsoft.com/fwlink/?LinkID=113216).					

NOTE: For more information, type "`Get-Help New-AzureDRAUser -detailed`". For technical information, type "`Get-Help New-AzureDRAUser -full`".

Example 5-4 *1*

```
PS C:\>New-AzureDRAUser -Tenant MyTenant -Password "MyNewPassword" -
Properties
@{DisplayName="MyUser";UserPrincipalName="MyUser@MyTenant.online.com";Allo
wSignOn=$true;UserMustChangePassword=$true}
```

This example creates an Entra ID user named MyUser in Microsoft Entra ID using the DisplayName and UserPrincipalName properties. The Entra ID user will be created in the tenant MyTenant. There are two properties set on this Entra ID user: DisplayName and UserPrincipalName.

Example 5-5 *2*

```
PS C:\>New-AzureDRAUser -Tenant MyTenant -Password "MyNewPassword" -
Properties
@{DisplayName="MyUser";UserPrincipalName="MyUser@MyTenant.online.com";Allo
wSignOn=$true;UserMustChangePassword=$true;AddToGroups="CN=a89cc7f6-1e9f-
41fc-9715-f3e27fb1f4cb,az=3d562c8d-1d55-45ae-8288-7b58486bad44"}
-DRARestServer localhost -DRARestPort 9000 -IgnoreCertificateErrors –Force
```

This example creates an Entra ID user named MyUser in Microsoft Entra ID using multiple properties including adding the user to a group. The Entra ID user will be created in the tenant MyTenant. It specifies the server and its rest port. Also it ignores certificate errors and suppresses confirmations.

Example 5-6 *3*

```
PS C:\>New-AzureDRAUser -Tenant MyTenant -Password "MyNewPassword" -
Properties
@{DisplayName="MyUser";UserPrincipalName="MyUser@MyTenant.online.com";Allo
wSignOn=$true;CreateEmail=$true;MailNickname="MyUserNickName";Mail="MyUser
@mail.com"}
```

This example creates a mail-enabled Entra ID user named MyUser in Microsoft Entra ID using the DisplayName and UserPrincipalName properties. The Entra ID user will be created in the tenant MyTenant. There are three email-related properties set on this Entra ID user: CreateEmail, MailNickname and Mail.

Remove-AzureDRAUser

Synopsis

Removes a user in Microsoft Entra ID.

Syntax

```
Remove-AzureDRAUser -Tenant <String> -Identifier <String> [-DRARestServer
<String>] [-DRARestPort <Int32>] [-IgnoreCertificateErrors
<SwitchParameter>] [-Force <SwitchParameter>] [-Timeout <Int32>]
[<CommonParameters>]
```

Description

The Remove-AzureDRAUser cmdlet removes a user in Microsoft Entra ID. The requesting user must have the Delete Entra ID User Account Permanently power.

Parameters

Attribute / Description	Values				
	Required	**Position**	**Default Value**	**Accept Pipeline input?**	**Accept wildcard characters?**
Identifier <String> The GUID or UPN of the Entra ID user. When the Identifier is a UPN, the Tenant parameter will be ignored.	true	named		true (ByPropertyName)	false
Tenant <String> The Tenant ID of the object in GUID or displayname format. For example: `b201dhg8-087e-5n9d-9986-c4d987bfa0b1` or `MyTenant`	true	named		true (ByPropertyName)	false

Attribute / Description	Values				
	Required	**Position**	**Default Value**	**Accept Pipeline input?**	**Accept wildcard characters?**
DRARestServer [<String>] The name of the computer running the DRA REST Service. The requested DRA operation will execute on this server. If the parameter is not specified, the value defaults to 'localhost'.	false	named		true (ByPropertyName)	false
DRARestPort [<Int32>] The port where the DRA REST Service listens for requests. This parameter is used only when the DRARestServer parameter is also specified. If the parameter is not specified, the value defaults to 8755.	false	named	8755	true (ByPropertyName)	false
IgnoreCertificateErrors [<SwitchParameter>] Allows the request to bypass any SSL certificate errors, such as the InvalidOperation error that occurs when the REST Service is bound to a self-signed certificate.	false	named		false	false
Force [<SwitchParameter>] Suppresses any request for user input and supplies a 'yes' response. For example: -Force with a delete request will perform the delete without presenting the confirmation request to the user.	false	named		false	false
Timeout [<Int32>] The wait time in seconds before the request to the DRA REST server times out. To specify an infinite timeout, you can set this parameter to -1.	false	named	100 seconds	true (ByPropertyName)	false

Attribute / Description	Values				
	Required	Position	Default Value	Accept Pipeline input?	Accept wildcard characters?
<CommonParameters> Verbose, Debug, ErrorAction, ErrorVariable, WarningAction, WarningVariable, OutBuffer, PipelineVariable, and OutVariable. For more information, see About CommonParameters (http://go.microsoft.com/fwlink/?LinkID=113216).					

NOTE: For more information, type "`Get-Help Remove-AzureDRAUser -detailed`". For technical information, type "`Get-Help Remove-AzureDRAUser -full`".

Example 5-7 *1*

```
PS C:\>Remove-AzureDRAUser  -Tenant b201dhg8-087e-5n9d-9986-c4d987bfa0b1 -
Identifier 23225bb1-5ac0-4b4c-a23c-beb7fad44b65
```

This example deletes the Entra ID user identified by GUID 23225bb1-5ac0-4b4c-a23c-beb7fad44b65 in the tenant identified by GUID b201dhg8-087e-5n9d-9986-c4d987bfa0b1. The Identifier parameter contains the GUID of the Entra ID user.

Example 5-8 *2*

```
PS C:\>Remove-AzureDRAUser -Tenant MyTenant -Identifier
testuser@mytenant.onmicrosoft.com
```

This example deletes the Entra ID user identified by UPN testuser@mytenant.onmicrosoft.com in the tenant and display name is MyTenant. The Identifier parameter contains the UPN of the Entra ID user. When the Identifier is a UPN, the Tenant parameter will be ignored.

Set-AzureDRAUser

Synopsis

Updates a user in Microsoft Entra ID.

NOTE: Set-AzureDRAUser cmdlet supports multi-values only for the OtherMails attribute.

Syntax

```
Set-AzureDRAUser -Tenant <String> [-Properties <Hashtable>] [-Replace
<Hashtable>] [-Add <Hashtable>] [-Remove <Hashtable>] [-Clear <String[]>] -
Identifier <String> [-DRARestServer <String>] [-DRARestPort <Int32>] [-
IgnoreCertificateErrors <SwitchParameter>] [-Force <SwitchParameter>] [-
Timeout <Int32>] <CommonParameters>]
```

Description

The Set-AzureDRAUser cmdlet updates a user in Microsoft Entra ID. The requesting user must have the Modify All Entra ID User Properties power or a custom power with the necessary powers for the requested attributes.

Parameters

Attribute / Description	Values				
	Required	**Position**	**Default Value**	**Accept Pipeline input?**	**Accept wildcard characters?**
Properties <Hashtable> A hashtable of property values. The key is the name of a defined attribute in the REST interface. For example: `-Properties @{Attribute1DRADisplayName="my value"; Attribute2DRADisplayName=value}` Multiple values are specified as a comma-separated list. For example: `-Properties @{Attribute1DRADisplayName=value1, value2}` If the property name contains non-alphanumeric characters it needs to be quoted. For example: `-Properties @{"Attribute1-DRA-DisplayName"=value}` If the property value contains a quote it needs to be escaped with a backtick (`).  For example: `-Properties @{Attribute1DRADisplayName="`"sample`" value"}`	true	named		true (ByPropertyName)	false

Attribute / Description	Values				
	Required	**Position**	**Default Value**	**Accept Pipeline input?**	**Accept wildcard characters?**
Replace [<Hashtable>] A Hashtable of property values to replace the current set of values for the specified property. The key is the name of a defined property in the REST interface. For example: `-Replace @{Attribute1DRADisplayName="my value"; Attribute2DRADisplayName=value}` Multiple values are specified as a comma-separated list and will replace currently set values. For example: `-Replace @{Attribute1DRADisplayName=value1, value2}` If the property name contains non-alphanumeric characters it needs to be quoted. For example: `-Replace @{"Attribute1-DRA-DisplayName"=value}` If the property value contains a quote it needs to be escaped with a backtick (`).  For example: `-Replace @{Attribute1DRADisplayName="`"sample`" value"}`	false	named		true (ByPropertyName)	false

Attribute / Description	Values				
	Required	**Position**	**Default Value**	**Accept Pipeline input?**	**Accept wildcard characters?**
Add [<Hashtable>] A Hashtable of property values to add to the current set of values for the specified multi-valued property. The key is the name of a defined property in the REST interface. For example: `-Add @{Attribute1DRADisplayName=value; Attribute2DRADisplayName=value1, value2; ...; AttributeNDRADisplayName=value1, value2}` Multiple values are specified as a comma-separated list. For example: `-Add @{Attribute1DRADisplayName=value1, value2}}` If the property name contains non-alphanumeric characters it needs to be quoted. For example: `-Add @{"Attribute1-DRA-DisplayName"=value}` If the property value contains a quote it needs to be escaped with a backtick (`).  For example: `-Add @{Attribute1DRADisplayName="`"sample`" value"}`	false	named		true (ByPropertyName)	false

Attribute / Description	Values				
	Required	**Position**	**Default Value**	**Accept Pipeline input?**	**Accept wildcard characters?**
Remove [<Hashtable>] A Hashtable of property values to remove from the current set of values for the specified multi-valued property. The key is the name of a defined property in the REST interface. For example: `-Remove @{Attribute1DRADisplayName=value; Attribute2DRADisplayName=value1, value2; ...; AttributeNDRADisplayName=value1, value2}` Multiple values are specified as a comma-separated list and will be removed from currently set values. For example: `-Remove @{Attribute1DRADisplayName=value1,value2}` If the property name contains non-alphanumeric characters it needs to be quoted. For example: `-Remove @{"Attribute1-DRA-DisplayName"=value}` If the property value contains a quote it needs to be escaped with a backtick (`).  For example: `-Remove @{Attribute1DRADisplayName="`"sample`" value"}`	false	named		true (ByPropertyName)	false

Attribute / Description	Values				
	Required	**Position**	**Default Value**	**Accept Pipeline input?**	**Accept wildcard characters?**
Clear [<String>] An array of property names whose values will be cleared. Each name is the name of a defined property in the REST interface. For example: `-Clear "Attribute1-DRA-DisplayName"` Multiple values need to be separated by a comma. For example: `-Clear Attribute1DRADisplayName, Attribute2DRADisplayName`	false	named		true (ByPropertyName)	false
Identifier <String> The GUID or UPN of the Entra ID user. When the Identifier is a UPN, the Tenant parameter will be ignored.	true	named		true (ByPropertyName)	false
Tenant <String> The Tenant ID of the object in GUID or displayname format. For example: `b201dhg8-087e-5n9d-9986-c4d987bfa0b1` or `MyTenant`	true	named		true (ByPropertyName)	false
DRARestServer [<String>] The name of the computer running the DRA REST Service. The requested DRA operation will execute on this server. If the parameter is not specified, the value defaults to 'localhost'.	false	named		true (ByPropertyName)	false

Attribute / Description	Values				
	Required	**Position**	**Default Value**	**Accept Pipeline input?**	**Accept wildcard characters?**
DRARestPort [<Int32>] The port where the DRA REST Service listens for requests. This parameter is used only when the DRARestServer parameter is also specified. If the parameter is not specified, the value defaults to 8755.	false	named	8755	true (ByPropertyName)	false
IgnoreCertificateErrors [<SwitchParameter>] Allows the request to bypass any SSL certificate errors, such as the InvalidOperation error that occurs when the REST Service is bound to a self-signed certificate.	false	named		false	false
Force [<SwitchParameter>] Suppresses any request for user input and supplies a 'yes' response. For example: -Force with a delete request will perform the delete without presenting the confirmation request to the user.	false	named		false	false
Timeout [<Int32>] The wait time in seconds before the request to the DRA REST server times out. To specify an infinite timeout, you can set this parameter to -1. ***<CommonParameters>*** Verbose, Debug, ErrorAction, ErrorVariable, WarningAction, WarningVariable, OutBuffer, PipelineVariable, and OutVariable. For more information, see About CommonParameters (http://go.microsoft.com/fwlink/?LinkID=113216).	false	named	100 seconds	true (ByPropertyName)	false

NOTE: For more information, type "`Get-Help Set-AzureDRAUser -detailed`". For technical information, type "`Get-Help Set-AzureDRAUser -full`".

Example 5-9 *1*

```
PS C:\>Set-AzureDRAUser -Tenant b201dhg8-087e-5n9d-9986-c4d987bfa0b1 -
Identifier 23225bb1-5ac0-4b4c-a23c-beb7fad44b65 -Properties
@{JobTitle="Manager";city="Houston"}
```

This example updates the specified properties of the user 23225bb1-5ac0-4b4c-a23c-beb7fad44b65 in tenant b201dhg8-087e-5n9d-9986-c4d987bfa0b1. The identifier contains the GUID for the Entra ID user. Two properties are updated: JobTitle and city.

Example 5-10 *2*

```
PS C:\>Set-AzureDRAUser -Tenant b201dhg8-087e-5n9d-9986-c4d987bfa0b1 -
Identifier 23225bb1-5ac0-4b4c-a23c-beb7fad44b65 -Properties
@{AddToGroups="CN=a89cc7f6-1e9f-41fc-9715-f3e27fb1f4cb,az=b201dhg8-087e-
5n9d-9986-c4d987bfa0b1"}
```

This example updates the specified property of the user 23225bb1-5ac0-4b4c-a23c-beb7fad44b65 in the tenant b201dhg8-087e-5n9d-9986-c4d987bfa0b1. The identifier contains the GUID for the Entra ID user. The property AddToGroups will add the user to the specified group.

Example 5-11 *3*

```
PS C:\>Set-AzureDRAUser -Tenant MyTenant -Identifier 23225bb1-5ac0-4b4c-
a23c-beb7fad44b65 -Properties @{AllowSignOn=$true}
```

This command enables the user account. If the user account is to be disabled, set AllowSignOn to $false.

Example 5-12 *3*

```
PS C:\>Set-AzureDRAUser -Tenant b201dhg8-087e-5n9d-9986-c4d987bfa0b1 -
Identifier 23225bb1-5ac0-4b4c-a23c-beb7fad44b65 -Properties
@{AcceptMessagesOnlyFromSendersOrMembers="CN=392B7949-32F0-4336-9130-
CF460559AAF0,az=fd74da8a-3212-4626-8f12-
aca06dc133f6","CN=MyUser,OU=Users,OU=ABC,DC=MYDOMAIN,DC=corp"}
```

This example updates the specified property of the user 23225bb1-5ac0-4b4c-a23c-beb7fad44b65 in tenant b201dhg8-087e-5n9d-9986-c4d987bfa0b1. The identifier contains the GUID for the Entra ID user. The Exchange Online property AcceptMessagesOnlyFromSendersOrMembers adds an Entra ID user and a synced user to the delivery restrictions.

Set-AzureDRAUserPassword

Synopsis

Sets the password for a user in Microsoft Entra ID.

Syntax

```
Set-AzureDRAUserPassword -Tenant <String> [-ForceChangePasswordNextLogin
<SwitchParameter>] [-EnforceChangePasswordPolicy <SwitchParameter>] [-
Password <String>] -Identifier <String> [-DRARestServer <String>] [-
DRARestPort <Int32>] [-IgnoreCertificateErrors <SwitchParameter>] [-Force
<SwitchParameter>] [-Timeout <Int32>] [<CommonParameters>]
```

Description

The Set-AzureDRAUserPassword cmdlet sets the password for a user in Microsoft Entra ID. The requesting user must have the Reset Entra ID User Account Password power or a custom power with the necessary powers for the requested attributes.

Parameters

Attribute / Description	Values				
	Required	**Position**	**Default Value**	**Accept Pipeline input?**	**Accept wildcard characters?**
ForceChangePasswordNextLogin [<SwitchParameter>] Forces a user to change their password during their next log in.	false	named	true	true (ByPropertyName)	false
EnforceChangePasswordPolicy [<SwitchParameter>] If set to true, force the user to change their password.	false	named	false	true (ByPropertyName)	false
Password [<String>] The value of the new password that should be set on the user account. The password must meet the password policies set for the domain.	false	named		true (ByPropertyName)	false
Identifier <String> The GUID or UPN of the Entra ID user. When the Identifier is a UPN, the Tenant parameter will be ignored.	true	named		true (ByPropertyName)	false

Attribute / Description	Values				
	Required	**Position**	**Default Value**	**Accept Pipeline input?**	**Accept wildcard characters?**
Tenant <String> The Tenant ID of the object in GUID or displayname format. For example: `b201dhg8-087e-5n9d-9986-c4d987bfa0b1` or `MyTenant`	true	named		true (ByPropertyName)	false
DRARestServer [<String>] The name of the computer running the DRA REST Service. The requested DRA operation will execute on this server. If the parameter is not specified, the value defaults to 'localhost'.	false	named		true (ByPropertyName)	false
DRARestPort [<Int32>] The port where the DRA REST Service listens for requests. This parameter is used only when the DRARestServer parameter is also specified. If the parameter is not specified, the value defaults to 8755.	false	named	8755	true (ByPropertyName)	false
IgnoreCertificateErrors [<SwitchParameter>] Allows the request to bypass any SSL certificate errors, such as the InvalidOperation error that occurs when the REST Service is bound to a self-signed certificate.	false	named		false	false
Force [<SwitchParameter>] Suppresses any request for user input and supplies a 'yes' response. For example: -Force with a delete request will perform the delete without presenting the confirmation request to the user.	false	named		false	false

Attribute / Description	Values				
	Required	**Position**	**Default Value**	**Accept Pipeline input?**	**Accept wildcard characters?**
Timeout [<Int32>] The wait time in seconds before the request to the DRA REST server times out. To specify an infinite timeout, you can set this parameter to -1. ***<CommonParameters>*** Verbose, Debug, ErrorAction, ErrorVariable, WarningAction, WarningVariable, OutBuffer, PipelineVariable, and OutVariable. For more information, see About CommonParameters (http://go.microsoft.com/fwlink/?LinkID=113216).	false	named	100 seconds	true (ByPropertyName)	false

NOTE: For more information, type "`Get-Help Set-AzureDRAUserPassword -detailed`". For technical information, type "`Get-Help Set-AzureDRAUserPassword -full`".

Example 5-13 *1*

```
PS C:\>Set-AzureDRAUserPassword -Tenant b201dhg8-087e-5n9d-9986-
c4d987bfa0b1 -Identifier 23225bb1-5ac0-4b4c-a23c-beb7fad44b65 -Password
MyNewPassword
```

This example resets the Entra ID user password identified by GUID 23225bb1-5ac0-4b4c-a23c-beb7fad44b65 in the tenant GUID b201dhg8-087e-5n9d-9986-c4d987bfa0b1.

Example 5-14 *2*

```
PS C:\>Set-AzureDRAUserPassword  -Tenant b201dhg8-087e-5n9d-9986-
c4d987bfa0b1 -Identifier 23225bb1-5ac0-4b4c-a23c-beb7fad44b65
```

This example sets the Entra ID user password identified by GUID 23225bb1-5ac0-4b4c-a23c-beb7fad44b65 in the tenant GUID b201dhg8-087e-5n9d-9986-c4d987bfa0b1. The password will be auto-generated.

New-AzureDRAMSInvitation

Synopsis

Invites a new external user to Microsoft Entra ID.

Syntax

```
New-AzureDRAMSInvitation -InvitedUserDisplayName <String> -
InvitedUserEmailAddress <String> -Tenant <String> [-InviteRedirectUrl
<String>] [-InvitationMessage <String>] [-CCRecipients <String>] [-
Properties <Hashtable>] [-DRARestServer <String>] [-DRARestPort <Int>] [-
IgnoreCertificateErrors] [-Force] [-Timeout <Int>] [<CommonParameters>]
```

Description

The New-AzureDRAMSInvitation cmdlet sends an email to the external user's email address specified in the `InvitedUserEmailAddress` parameter inviting the external user to Microsoft Entra ID. To run this command, you must have the Invite Entra ID Guest User power.

Parameters

Attribute / Description	Values				
	Required	**Position**	**Default Value**	**Accept Pipeline input?**	**Accept wildcard characters?**
InvitedUserDisplayName [<String>] The display name of the guest user as it appears in your Microsoft Entra ID.	true	named		true (ByPropertyName)	false
InvitedUserEmailAddress [<String>] The email address of the guest user to which the invitation is sent.	true	named		true (ByPropertyName)	false
Tenant <String> The Tenant ID of the object in GUID or displayname format. For example: `b201dhg8-087e-5n9d-9986-c4d987bfa0b1` or `MyTenant`	true	named		true (ByPropertyName)	false
CCRecipients [<String] Additional recipient the invitation message should be sent to.	false	named		true (ByPropertyName)	false
InviteRedirectUrl <String> The URL to which the guest user is redirected after accepting the invitation.	false	named		true (ByPropertyName)	false

Attribute / Description	Values				
	Required	**Position**	**Default Value**	**Accept Pipeline input?**	**Accept wildcard characters?**
InvitationMessage <String> Welcome message text that is sent to the guest user. You can customize the message as needed if you do not want to use the default message.	false	named		true (ByPropertyName)	false
Properties <Hashtable> A hashtable of property values. The key is the name of a defined attribute in the REST interface. For example: `-Properties @{Attribute1DRADisplayName="my value"; Attribute2DRADisplayName=value}` Multiple values are specified as a comma-separated list. For example: `-Properties @{Attribute1DRADisplayName=value1, value2}` If the property name contains non-alphanumeric characters it needs to be quoted. For example: `-Properties @{"Attribute1-DRA-DisplayName"=value}` If the property value contains a quote it needs to be escaped with a backtick (`).  For example: `-Properties @{Attribute1DRADisplayName="`"sample`" value"}`	false	named		true (ByPropertyName)	false
DRARestServer [<String>] The name of the computer running the DRA REST Service. The requested DRA operation will execute on this server. If the parameter is not specified, the value defaults to 'localhost'.	false	named		true (ByPropertyName)	false

Attribute / Description	Values				
	Required	**Position**	**Default Value**	**Accept Pipeline input?**	**Accept wildcard characters?**
DRARestPort [<Int32>] The port where the DRA REST Service listens for requests. This parameter is used only when the DRARestServer parameter is also specified. If the parameter is not specified, the value defaults to 8755.	false	named	8755	true (ByPropertyName)	false
IgnoreCertificateErrors [<SwitchParameter>] Allows the request to bypass any SSL certificate errors, such as the InvalidOperation error that occurs when the REST Service is bound to a self-signed certificate.	false	named		false	false
Force [<SwitchParameter>] Suppresses any request for user input and supplies a 'yes' response. For example: -Force with a delete request will perform the delete without presenting the confirmation request to the user.	false	named		false	false
Timeout [<Int32>] The wait time in seconds before the request to the DRA REST server times out. To specify an infinite timeout, you can set this parameter to -1.	false	named	100 seconds	true (ByPropertyName)	false
<CommonParameters> Verbose, Debug, ErrorAction, ErrorVariable, WarningAction, WarningVariable, OutBuffer, PipelineVariable, and OutVariable. For more information, see About CommonParameters (http://go.microsoft.com/fwlink/?LinkID=113216).					

NOTE: For more information, type "`Get-Help New-AzureDRAMSInvitation -detailed`". For technical information, type "`Get-Help New-AzureDRAMSInvitation -full`".

Example 5-15 *1*

```
PS C:\>New-AzureDRAMSInvitation -Tenant MyTenant -InvitedUserDisplayName
"MyExternalUser" -InvitedUserEmailAddress
"someexternaluser@externaldomain.com" -InviteRedirectUrl "http://
myapps.microsoft.com" -Properties @{AllowSignOn=$true;}
```

This example invites an external user named MyExternalUser to your Microsoft Entra ID. An email is sent to the external user's email address someexternaluser@externaldomain.com. When the user accepts the invitation, the user is redirected to the URL http://myapps.microsoft.com. The Entra ID guest user account will be created in the tenant named MyTenant.

Example 5-16 *2*

```
New-AzureDRAMSInvitation -Tenant MyTenant -InvitedUserDisplayName
"MyExternalUser" -InvitedUserEmailAddress
"someexternaluser@externaldomain.com"
```

If an earlier invitation is not accepted by the external user, you can resend the invitation. This example resends the invite to the external user named MyExternalUser. An email is sent to the external user's email address someexternaluser@externaldomain.com.

6 Computer Commands

This section contains Help information for cmdlets you can execute for the Computer object type.

- "Add-DRAComputer" on page 109
- "Get-DRAComputer" on page 113
- "Move-DRAComputer" on page 117
- "Remove-DRAComputer" on page 120
- "Reset-DRAComputer" on page 122
- "Restore-DRAComputer" on page 124
- "Set-DRAComputer" on page 127

- "Add-DRAComputer" on page 109
- "Get-DRAComputer" on page 113
- "Move-DRAComputer" on page 117
- "Remove-DRAComputer" on page 120
- "Reset-DRAComputer" on page 122
- "Restore-DRAComputer" on page 124
- "Set-DRAComputer" on page 127

Add-DRAComputer

Synopsis

Adds a computer to an Active Directory domain.

Syntax

```
Add-DRAComputer -Properties <Hashtable> -Domain <String> [-DRARestServer
<String>] [-DRARestPort <Int32>] [-IgnoreCertificateErrors
<SwitchParameter>] [-Force <SwitchParameter>] [-Timeout <Int32>]
[<CommonParameters>]
```

Description

The Add-DRAComputer cmdlet adds a computer to a domain managed by DRA. The requesting user must have the Create Computer power. To see the complete list of available properties, perform a Get-Member command on the object returned from any DRAComputer command.

Parameters

Attribute / Description	Parameters / Values				
	Required	**Position**	**Default Value**	**Accept Pipeline input?**	**Accept wildcard characters?**
Properties <Hashtable> A hashtable of property values. The key is the name of a defined attribute in the REST interface. For example: `-Properties @{Attribute1DRADisplayName="my value"; Attribute2DRADisplayName=value}` Multiple values are specified as a comma-separated list. For example: `-Properties @{Attribute1DRADisplayName=value1, value2}` If the property name contains non-alphanumeric characters it needs to be quoted. For example: `-Properties @{"Attribute1-DRA-DisplayName"=value}` If the property value contains a quote it needs to be escaped with a backtick (`).  For example: `-Properties @{Attribute1DRADisplayName="``"sample``" value"}`	true	named		true (ByPropertyName)	false
Domain <String> The domain of the object in FQDN format. For example: `mydomain.corp`	true	named		true (ByPropertyName)	false

Attribute / Description	Parameters / Values				
	Required	**Position**	**Default Value**	**Accept Pipeline input?**	**Accept wildcard characters?**
DRARestServer [<String>] The name of the computer running the DRA REST Service. The requested DRA operation will be sent to the REST Service running on the specified computer. If this parameter is not specified, then the cmdlet will attempt to discover a DRA REST Service to use.	false	named		true (ByPropertyName	false
DRARestPort [<Int32>] The port number of the DRA REST Service. This parameter is only used when the DRARestServer parameter is also specified. If the DRARestServer parameter is specified but the DRARestPort is not, 8755 will be used as the default REST port.	false	named	8755	true (ByPropertyName	false
IgnoreCertificateErrors [<SwitchParameter>] Allows the request to bypass any SSL certificate errors, such as the InvalidOperation error that occurs when the REST Service is bound to a self-signed certificate.	false	named		false	false
Force [<SwitchParameter>] Suppresses any request for user input and supplies a 'yes' response. For example: -Force with a delete request will perform the delete without presenting the confirmation request to the user.	false	named		false	false
Timeout [<Int32>] The wait time in seconds before the request to the DRA REST server times out. To specify an infinite timeout, you can set this parameter to -1.	false	named	100 seconds	true (ByPropertyName)	false

Attribute / Description	Parameters / Values				
	Required	Position	Default Value	Accept Pipeline input?	Accept wildcard characters?
<CommonParameters> Verbose, Debug, ErrorAction, ErrorVariable, WarningAction, WarningVariable, OutBuffer, PipelineVariable, and OutVariable. For more information, see About CommonParameters (http://go.microsoft.com/fwlink/?LinkID=113216).					

NOTE: For more information, type "`Get-Help Add-DRAComputer -detailed`". For technical information, type "`Get-Help Add-DRAComputer -full`".

Example 6-1 *1*

```
PS C:\>Add-DRAComputer -Domain MyDomain.corp -Properties
@{DistinguishedName="CN=COMPUTER123,OU=Accounting,DC=MyDomain,DC=corp";Des
cription="Computer for powershell";TrustedForDelegation=$true}
```

This example creates a computer named COMPUTER123 in Active Directory using the DRA DistinguishedName property. The computer will be created in the domain MyDomain.corp in the Accounting OU. There are two properties set on this computer: Description and TrustedForDelegation. Since the samAccountName is not specified, the value defaults to the name followed by a dollar sign.

Example 6-2 *2*

```
PS C:\>Add-DRAComputer  -Domain MyDomain.corp -Properties
@{FriendlyParentPath="MyDomain.corp/Accounting";Name=
"COMPUTER123";Description="PS
Desc001";ManagedBy="CN=George,CN=Users,DC=MYDOMAIN,DC=corp";samAccountName
="COMP123$"}
```

This example creates the computer COMPUTER123 in Active Directory using the `Name` and DRA `FriendlyParentPath` properties. The computer will be created in the domain MyDomain.corp in the Accounting OU. There are three properties set on this computer: Description, ManagedBy and samAccountName.

Example 6-3 *3*

```
PS C:\>Add-DRAComputer  -Domain MyDomain.corp -Properties
@{FriendlyName="MyDomain.corp/Accounting/COMPUTER123";
Description="Computer for powershell";TrustedForDelegation=$true}
```

This example creates a computer named COMPUTER123 in Active Directory using the DRA FriendlyName property. The computer will be created in the domain MyDomain.corp in the Accounting OU. There are two properties set on this computer: Description and TrustedForDelegation. The samAccountName defaults to the name followed by a dollar sign.

Get-DRAComputer

Synopsis

Gets information about an Active Directory computer account.

Syntax

```
Get-DRAComputer -Domain <String> [-IncludeAllVAProperties
<SwitchParameter>] [-Attributes <String[]>] [-PowersForOperations
<String[]>][-VisiblePropertiesOnly <SwitchParameter>] -Identifier <String>
[-DRARestServer <String>] [-DRARestPort <Int32>] [-IgnoreCertificateErrors
<SwitchParameter>] [-Force <SwitchParameter>] [-Timeout <Int32>]
[<CommonParameters>]
```

Description

The Get-DRAComputer cmdlet returns the properties of the requested computer account managed by DRA. The requesting user must have the View All Computer Properties power. You can view the default list of properties or specify specific properties. The default properties for a computer account include: `Description`, `DisplayName`, `DistinguishedName`, `FriendlyPath`, `GroupMembershipCount`, `IsManaged`, `IsDisabled`, `SAMAccountName`, `TrustedForDelegation`, `FriendlyName`, `WinNTPath`, and `DNSHostName`.

See the examples for information on how to view specific properties.

Parameters

Attribute / Description	Parameters / Values				
	Required	**Position**	**Default Value**	**Accept Pipeline input?**	**Accept wildcard characters?**
IncludeAllVAProperties [<SwitchParameter>] A flag to indicate whether DRA should return the virtual attributes. If you specify this flag, DRA returns the virtual attributes that the user has powers to view. If you specify the `Attributes` parameter along with this flag, DRA returns the virtual attributes along with the properties specified in the `Attributes` parameter.	false	named		false	false
Attributes [<String[]>] An array of attributes to retrieve values for. If this parameter is missing, a default list of properties is returned.	false	named		true (ByPropertyName)	false
PowersForOperations [<String[]>] An array of DRA operation names for which you want the server to return read/write permission information.This parameter is typically used by a UI-based client to hide or disable elements the calling user doesn't have powers for. The `PowersForOperations` parameter is applicable only if you have specified the `Identifier` parameter.	false	named		true (ByPropertyName)	false

Attribute / Description	Parameters / Values				
	Required	**Position**	**Default Value**	**Accept Pipeline input?**	**Accept wildcard characters?**
VisiblePropertiesOnly [<SwitchParameter>] A flag to indicate whether DRA should return only properties the caller has powers to view. By default, DRA will return an error if the caller requests a property that they do not have powers to view. By specifying this flag DRA is instructed to not return an error and instead just not return a value for such properties.	false	named		false	false
Identifier <String> The name or distinguished name of an existing Active Directory object. When the name is specified, an additional call to the DRA Server is needed to obtain the distinguished name for the object.	true	named		true (ByPropertyName)	false
Domain <String> The domain of the object in fqdn format. For example: `mydomain.corp`	true	named		true (ByPropertyName)	false
DRARestServer [<String>] The name of the computer running the DRA Rest Service. The requested DRA operation will execute on this server. If the parameter is not specified, the value defaults to 'localhost'.	false	named		true (ByPropertyName)	false
DRARestPort [<Int32>] The port where the DRA REST Service listens for requests. If the parameter is not specified, the value defaults to 8755.	false	named	8755	true (ByPropertyName)	false

Attribute / Description	Parameters / Values				
	Required	**Position**	**Default Value**	**Accept Pipeline input?**	**Accept wildcard characters?**
IgnoreCertificateErrors [<SwitchParameter>] Allows the request to bypass any SSL certificate errors, such as the InvalidOperation error that occurs when the REST Service is bound to a self-signed certificate.	false	named		false	false
Force [<SwitchParameter>] Suppresses any request for user input and supplies a 'yes' response. For example: -Force with a delete request will perform the delete without presenting the confirmation request to the user.	false	named		false	false
Timeout [<Int32>] The wait time in seconds before the request to the DRA REST server times out. To specify an infinite timeout, you can set this parameter to -1. ***<CommonParameters>*** Verbose, Debug, ErrorAction, ErrorVariable, WarningAction, WarningVariable, OutBuffer, PipelineVariable, and OutVariable. For more information, see About CommonParameters (http://go.microsoft.com/fwlink/?LinkID=113216).	false	named	100 seconds	true (ByPropertyName)	false

NOTE: For more information, type "`Get-Help Get-DRAComputer -detailed`". For technical information, type "`Get-Help Get-DRAComputer -full`".

Example 6-4 *1*

```
PS C:\>Get-DRAComputer -Domain MyDomain.corp -Identifier "COMPUTER123"
```

This example requests the properties of the computer named COMPUTER123 in MyDomain.corp. The identifier contains the name for the computer. When the name is used, the DRA resolves it to the distinguished name and then requests the properties for that computer.

Example 6-5 *2*

```
PS C:\>Get-DRAComputer -Domain MyDomain.corp -Identifier "COMPUTER123" -
Attributes
"Description","DisplayName","AccountThatCanAddComputerToDomain","Distingui
shedName","FriendlyPath","FriendlyParentPath","FriendlyName","IsDisabled",
"SamAccountName","TrustedForDelegation","ObjectCategory"
```

This example requests the properties of the computer named COMPUTER123 in MyDomain.corp. The Attributes parameter specifies what properties to return. When the Attributes parameter is not present, a default list of properties will be returned.

Example 6-6 *3*

```
PS C:\>Get-DRAComputer  -Domain MyDomain.corp -Identifier
"CN=COMPUTER123,OU=Accounting,DC=MyDomain,DC=corp"
```

This example requests the properties of the computer named COMPUTER123 in MyDomain.corp. The identifier contains the distinguished name for the computer.

Example 6-7 *3*

```
Get-DRAComputer -Domain MyDomain.corp -Identifier "COMPUTER123" -
Attributes "Description","DisplayName" -IncludeAllVAProperties
```

This example requests the properties of the computer named "COMPUTER123" in the "MyDomain.corp" domain. The `Attributes` parameter specifies the properties to return. The `IncludeAllVAProperties` parameter returns all virtual attributes that the assistant administrator has powers to view.

Move-DRAComputer

Synopsis

Moves a computer from one location in Active Directory to another.

Syntax

```
Move-DRAComputer -Domain <String> -TargetContainer <String> -Identifier
<String> [-DRARestServer <String>] [-DRARestPort <Int32>] [-
IgnoreCertificateErrors <SwitchParameter>] [-Force <SwitchParameter>] [-
Timeout <Int32>] [<CommonParameters>]
```

Description

The Move-DRAComputer cmdlet moves the computer named in Identifier to the OU named in the TargetContainer.The requesting user must have the Move Computer to OU power on the TargetContainer. Supported formats for Identity are friendly name and distinguished name.

Parameters

Attribute / Description	Parameters / Values				
	Required	**Position**	**Default Value**	**Accept Pipeline input?**	**Accept wildcard characters?**
TargetContainer <String> The full path to the destination container for the object you are moving, in distinguished name format. For example: -`TargetContainer "OU=Accounting,DC=MyDomain,DC=corp"`	true	named		true (ByPropertyName)	false
Identifier <String> The name or distinguished name of an existing Active Directory object. When the name is specified, an additional call to the DRA Server is needed to obtain the distinguished name for the object.	true	named		true (ByPropertyName)	false
Domain <String> The domain of the object in FQDN format. For example: `mydomain.corp`	true	named		true (ByPropertyName)	false
DRARestServer [<String>] The name of the computer running the DRA REST Service. The requested DRA operation will be sent to the REST Service running on the specified computer. If this parameter is not specified, then the cmdlet will attempt to discover a DRA REST Service to use.	false	named		true (ByPropertyName	false
DRARestPort [<Int32>] The port number of the DRA REST Service. This parameter is only used when the DRARestServer parameter is also specified. If the DRARestServer parameter is specified but the DRARestPort is not, 8755 will be used as the default REST port.	false	named	8755	true (ByPropertyName	false

Attribute / Description	Parameters / Values				
	Required	**Position**	**Default Value**	**Accept Pipeline input?**	**Accept wildcard characters?**
IgnoreCertificateErrors [<SwitchParameter>] Allows the request to bypass any SSL certificate errors, such as the InvalidOperation error that occurs when the REST Service is bound to a self-signed certificate.	false	named		false	false
Force [<SwitchParameter>] Suppresses any request for user input and supplies a 'yes' response. For example: -Force with a delete request will perform the delete without presenting the confirmation request to the user.	false	named		false	false
Timeout [<Int32>] The number of seconds to wait before the request to the DRA REST server times out. To specify an infinite timeout, you can set this parameter to -1.	false	named	100 seconds	true (ByPropertyName)	false
<CommonParameters> Verbose, Debug, ErrorAction, ErrorVariable, WarningAction, WarningVariable, OutBuffer, PipelineVariable, and OutVariable. For more information, see About CommonParameters (http://go.microsoft.com/fwlink/?LinkID=113216).					

NOTE: For more information, type "`Get-Help Move-DRAComputer -detailed`". For technical information, type "`Get-Help Move-DRAComputer -full`".

Example 6-8 *1*

```
PS C:\>Move-DRAComputer  -Domain MyDomain.corp -Identifier
"CN=Charlie,OU=Accounting,DC=MyDomain,DC=corp" -TargetContainer
"OU=NewParent,OU=AccountingHomeOffice,DC=MyDomain,DC=corp"
```

This example moves the computer named Charlie from the Accounting container to the NewParent container. The identifier contains the distinguished name for the computer.

Remove-DRAComputer

Synopsis

Removes a computer account from Active Directory.

Syntax

```
Remove-DRAComputer -Domain <String> -Identifier <String> [-DRARestServer
<String>] [-DRARestPort <Int32>] [-IgnoreCertificateErrors
<SwitchParameter>] [-Force <SwitchParameter>] [-Timeout <Int32>]
[<CommonParameters>]
```

Description

The Remove-DRAComputer cmdlet deletes the requested computer account. The requesting user must have one of the Delete Computer powers. If the Recycle Bin is enabled, the computer is moved to the Recycle Bin.

Parameters

Attribute / Description	Parameters / Values				
	Required	**Position**	**Default Value**	**Accept Pipeline input?**	**Accept wildcard characters?**
Identifier <String> The name or distinguished name of an existing Active Directory object. When the name is specified, an additional call to the DRA Server is needed to obtain the distinguished name for the object.	true	named		true (ByPropertyName)	false
Domain <String> The domain of the object in FQDN format. For example: `mydomain.corp`	true	named		true (ByPropertyName)	false
DRARestServer [<String>] The name of the computer running the DRA Rest Service. The requested DRA operation will execute on this server. If the parameter is not specified, the value defaults to 'localhost'.	false	named		true (ByPropertyName	false

Attribute / Description	Parameters / Values				
	Required	**Position**	**Default Value**	**Accept Pipeline input?**	**Accept wildcard characters?**
DRARestPort [<Int32>] The port where the DRA REST Service listens for requests. If the parameter is not specified, the value defaults to 8755.	false	named	8755	true (ByPropertyName	false
IgnoreCertificateErrors [<SwitchParameter>] Allows the request to bypass any SSL certificate errors, such as the InvalidOperation error that occurs when the REST Service is bound to a self-signed certificate.	false	named		false	false
Force [<SwitchParameter>] Suppresses any request for user input and supplies a 'yes' response. For example: -Force with a delete request will perform the delete without presenting the confirmation request to the user.	false	named		false	false
Timeout [<Int32>] The wait time in seconds before the request to the DRA REST server times out. To specify an infinite timeout, you can set this parameter to -1. ***<CommonParameters>*** Verbose, Debug, ErrorAction, ErrorVariable, WarningAction, WarningVariable, OutBuffer, PipelineVariable, and OutVariable. For more information, see About CommonParameters (http://go.microsoft.com/fwlink/?LinkID=113216).	false	named	100 seconds	true (ByPropertyName)	false

NOTE: For more information, type "`Get-Help Remove-DRAComputer -detailed`". For technical information, type "`Get-Help Remove-DRAComputer -full`".

Example 6-9 *1*

```
PS C:\>Remove-DRAComputer -Domain MyDomain.corp -Identifier
"CN=COMPUTER123,OU=NetIQRecycleBin,DC=MyDomain,DC=corp"
```

This example deletes the computer named COMPUTER123 from the DRA Recycle Bin, removing it permanently from Active Directory

Example 6-10 *2*

```
PS C:\>Remove-DRAComputer  -Domain MyDomain.corp -Identifier
"CN=COMPUTER123,OU=Accounting,DC=MyDomain,DC=corp"
```

This example deletes the computer named COMPUTER123 from MyDomain.corp. The identifier contains the distinguished name for the computer. If the Recycle Bin is enabled, the computer is moved to the Recycle Bin. Otherwise, it is removed permanently.

Reset-DRAComputer

Synopsis

Resets a computer account in Active Directory.

Syntax

```
Reset-DRAComputer -Domain <String> -Identifier <String> [-DRARestServer
<String>] [-DRARestPort <Int32>] [-IgnoreCertificateErrors
<SwitchParameter>] [-Force <SwitchParameter>] [-Timeout <Int32>]
[<CommonParameters>]
```

Description

The Reset-DRAComputer cmdlet resets the requested computer account. The requesting user must have the Reset Computer Account power.

Parameters

Attribute / Description	Parameters / Values				
	Required	**Position**	**Default Value**	**Accept Pipeline input?**	**Accept wildcard characters?**
Identifier <String> The name or distinguished name of an existing Active Directory object. When the name is specified, an additional call to the DRA Server is needed to obtain the distinguished name for the object.	true	named		true (ByPropertyName)	false

Attribute / Description	Parameters / Values				
	Required	**Position**	**Default Value**	**Accept Pipeline input?**	**Accept wildcard characters?**
Domain <String> The domain of the object in FQDN format. For example: `mydomain.corp`	true	named		true (ByPropertyName)	false
DRARestServer [<String>] The name of the computer running the DRA REST Service. The requested DRA operation will be sent to the REST Service running on the specified computer. If this parameter is not specified, then the cmdlet will attempt to discover a DRA REST Service to use.	false	named		true (ByPropertyName	false
DRARestPort [<Int32>] The port number of the DRA REST Service. This parameter is only used when the DRARestServer parameter is also specified. If the DRARestServer parameter is specified but the DRARestPort is not, 8755 will be used as the default REST port.	false	named	8755	true (ByPropertyName	false
IgnoreCertificateErrors [<SwitchParameter>] Allows the request to bypass any SSL certificate errors, such as the InvalidOperation error that occurs when the REST Service is bound to a self-signed certificate.	false	named		false	false
Force [<SwitchParameter>] Suppresses any request for user input and supplies a 'yes' response. For example: -Force with a delete request will perform the delete without presenting the confirmation request to the user.	false	named		false	false

Attribute / Description	Parameters / Values				
	Required	**Position**	**Default Value**	**Accept Pipeline input?**	**Accept wildcard characters?**
Timeout [<Int32>] The number of seconds to wait before the request to the DRA REST server times out. To specify an infinite timeout, you can set this parameter to -1. ***<CommonParameters>*** Verbose, Debug, ErrorAction, ErrorVariable, WarningAction, WarningVariable, OutBuffer, PipelineVariable, and OutVariable. For more information, see About CommonParameters (http://go.microsoft.com/fwlink/?LinkID=113216).	false	named	100 seconds	true (ByPropertyName)	false

NOTE: For more information, type "`Get-Help Reset-DRAComputer -detailed`". For technical information, type "`Get-Help Reset-DRAComputer -full`".

Example 6-11 *1*

```
PS C:\>Reset-DRAComputer  -Domain MyDomain.corp -Identifier
"CN=COMPUTER123,OU=Accounting,DC=MyDomain,DC=corp"
```

This example resets the computer named COMPUTER123 in MyDomain.corp. The identifier contains the distinguished name for the computer.

Restore-DRAComputer

Synopsis

Restores the specified computer from the Recycle Bin.

Syntax

```
Restore-DRAComputer -Domain <String> [-DomainController <String>] [-
RestoreToContainer <String>] -Identifier <String> [-DRARestServer
<String>] [-DRARestPort <Int32>] [-IgnoreCertificateErrors
<SwitchParameter>] [-Force <SwitchParameter>] [-Timeout <Int32>]
[<CommonParameters>]
```

Description

The Restore-DRAComputer cmdlet will restore a previously deleted computer from the Recycle Bin to its original container or to a new specified container. Supported formats for the identifier are friendly name and distinguished name. If the full path is specified, it must point to the Recycle Bin (NetIQRecycleBin).

Parameters

Attribute / Description	Parameters / Values				
	Required	**Position**	**Default Value**	**Accept Pipeline input?**	**Accept wildcard characters?**
DomainController [<String>] The computer name of a specific domain controller to use for the request.	false	named		true (ByPropertyName)	false
RestoreToContainer [<String>] The distinguished name of the container to which you want to restore the object. If this parameter is not specified, DRA will attempt to restore the object to its original container.	false	named		true (ByPropertyName)	false
Identifier <String> The name or distinguished name of an existing Active Directory object. When the name is specified, an additional call to the DRA Server is needed to obtain the distinguished name for the object.	true	named		true (ByPropertyName)	false
Domain <String> The domain of the object in fqdn format. For example: `mydomain.corp`	true	named		true (ByPropertyName)	false
DRARestServer [<String>] The name of the computer running the DRA Rest Service. The requested DRA operation will execute on this server. If the parameter is not specified, the value defaults to 'localhost'.	false	named		true (ByPropertyName)	false

Attribute / Description	Parameters / Values				
	Required	**Position**	**Default Value**	**Accept Pipeline input?**	**Accept wildcard characters?**
DRARestPort [<Int32>] The port where the DRA REST Service listens for requests. If the parameter is not specified, the value defaults to 8755.	false	named	8755	true (ByPropertyName)	false
IgnoreCertificateErrors [<SwitchParameter>] Allows the request to bypass any SSL certificate errors, such as the InvalidOperation error that occurs when the REST Service is bound to a self-signed certificate.	false	named		false	false
Force [<SwitchParameter>] Suppresses any request for user input and supplies a 'yes' response. For example: -Force with a delete request will perform the delete without presenting the confirmation request to the user.	false	named		false	false
Timeout [<Int32>] The number of seconds to wait before the request to the DRA REST server times out. To specify an infinite timeout, you can set this parameter to -1. ***<CommonParameters>*** Verbose, Debug, ErrorAction, ErrorVariable, WarningAction, WarningVariable, OutBuffer, PipelineVariable, and OutVariable. For more information, see About CommonParameters (http://go.microsoft.com/fwlink/?LinkID=113216).	false	named	100 seconds	true (ByPropertyName)	false

NOTE: For more information, type "`Get-Help Restore-DRAComputer -detailed`". For technical information, type "`Get-Help Restore-DRAComputer -full`".

Example 6-12 *1*

```
PS C:\>Restore-DRAComputer -Identifier
"CN=MyComputer8,OU=NetIQRecycleBin,DC=MyDomain,DC=corp" -
RestoreToContainer "OU=TempCon,DC=MyDomain,DC=CORP" -domain MyDomain.corp
```

This example will restore a computer named MyComputer8 from the NetIQRecycleBin in MyDomain.corp. It will be restored to the container named TempCon in MyDomain.corp.

Example 6-13 *2*

```
PS C:\>Restore-DRAComputer -Identifier
"CN=MyComputer8,OU=NetIQRecycleBin,DC=MyDomain,DC=corp" -Domain MyDom.corp
```

This example will restore a Computer named MyComputer8 from the NetIQRecycleBin in MyDom.corp. It will be restored to the container from which it was deleted.

Set-DRAComputer

Synopsis

Updates the properties of an existing computer account in Active Directory.

Syntax

```
Set-DRAComputer -Domain <String> -Properties <Hashtable> -Identifier
<String> [-DRARestServer <String>] [-DRARestPort <Int32>] [-
IgnoreCertificateErrors <SwitchParameter>] [-Force <SwitchParameter>] [-
Timeout <Int32>] [<CommonParameters>]
```

Description

The Set-DRAComputer cmdlet modifies the requested computer account. The requesting user must have one of the Modify Computer powers.

Parameters

Attribute / Description	Parameters / Values				
	Required	**Position**	**Default Value**	**Accept Pipeline input?**	**Accept wildcard characters?**
Properties <Hashtable> A hashtable of property values. The key is the name of a defined attribute in the REST interface. For example: `-Properties @{Attribute1DRADisplayName="my value"; Attribute2DRADisplayName=value}` Multiple values are specified as a comma-separated list. For example: `-Properties @{Attribute1DRADisplayName=value1, value2}` If the property name contains non-alphanumeric characters it needs to be quoted. For example: `-Properties @{"Attribute1-DRA-DisplayName"=value}` If the property value contains a quote it needs to be escaped with a backtick (`).  For example: `-Properties @{Attribute1DRADisplayName="`"sample`" value"}`	true	named		true (ByPropertyName)	false
Identifier <String> The name or distinguished name of an existing Active Directory object. When the name is specified, an additional call to the DRA Server is needed to obtain the distinguished name for the object.	true	named		true (ByPropertyName)	false
Domain <String> The domain of the object in fqdn format. For example: `mydomain.corp`	true	named		true (ByPropertyName)	false

Attribute / Description	Parameters / Values				
	Required	**Position**	**Default Value**	**Accept Pipeline input?**	**Accept wildcard characters?**
DRARestServer [<String>] The name of the computer running the DRA Rest Service. The requested DRA operation will execute on this server. If the parameter is not specified, the value defaults to 'localhost'.	false	named		true (ByPropertyName	false
DRARestPort [<Int32>] The port where the DRA REST Service listens for requests. If the parameter is not specified, the value defaults to 8755.	false	named	8755	true (ByPropertyName	false
IgnoreCertificateErrors [<SwitchParameter>] Allows the request to bypass any SSL certificate errors, such as the InvalidOperation error that occurs when the REST Service is bound to a self-signed certificate.	false	named		false	false
Force [<SwitchParameter>] Suppresses any request for user input and supplies a 'yes' response. For example: -Force with a delete request will perform the delete without presenting the confirmation request to the user.	false	named		false	false
Timeout [<Int32>] The number of seconds to wait before the request to the DRA REST server times out. To specify an infinite timeout, you can set this parameter to -1.	false	named	100 seconds	true (ByPropertyName)	false

Attribute / Description	Parameters / Values				
	Required	Position	Default Value	Accept Pipeline input?	Accept wildcard characters?
<CommonParameters> Verbose, Debug, ErrorAction, ErrorVariable, WarningAction, WarningVariable, OutBuffer, PipelineVariable, and OutVariable. For more information, see About CommonParameters (http://go.microsoft.com/fwlink/?LinkID=113216).					

NOTE: For more information, type "`Get-Help Set-DRAComputer -detailed`". For technical information, type "`Get-Help Set-DRAComputer -full`".

Example 6-14 *1*

```
PS C:\>Set-DRAComputer  -Domain MyDomain.corp -Identifier
"CN=COMPUTER123,OU=Accounting,DC=MyDomain,DC=corp" –Properties
@{ManagedBy="CN=George,CN=Users,DC=MYDOMAIN,DC=corp";TrustedForDelegation=
$true;location="Houston"}
```

This example updates some properties on the computer COMPUTER123 in MyDomain.corp. The identifier contains the distinguished name for the computer. Three properties are updated: ManagedBy, Location and TrustedForDelegation. To see the complete list of available properties, perform a Get-Member command on the object returned from any DRAComputer command.

Example 6-15 *2*

```
PS C:\>Set-DRAComputer -Domain MyDomain.corp -Identifier "COMPUTER123" -
Properties @{ManagedBy="CN=George,CN=Users,
DC=MYDOMAIN,DC=corp";Description="updated
description";TrustedForDelegation=$true;location="Houston"}
```

This example updates some properties on the computer COMPUTER123 in MyDomain.corp. The Identifier specifies the name of the computer. When the identifier format is the name, DRA resolves the name to the full distinguished name.

7 Configuration Commands

This section contains cmdlets you can execute for servers.

- "Get-DRAServerInfo" on page 131
- "Get-DRAServersForDomain" on page 133

- "Get-DRAServerInfo" on page 131
- "Get-DRAServersForDomain" on page 133

Get-DRAServerInfo

Synopsis

Gets the list of domains managed by the specified DRA Server.

Syntax

```
Get-DRAServerInfo [-DRARestServer <String>] [-DRARestPort <Int32>] [-
IgnoreCertificateErrors <SwitchParameter>] [-Force <SwitchParameter>] [-
Timeout <Int32>] [<CommonParameters>]
```

Description

The Get-DRAServerInfo cmdlet retrieves the list of domains managed by DRA on the server specified by the DRARestServer parameter. The request returns information about the PowerShell client as well as an array of objects describing the managed domains. To see the list of properties returned in the Domains array, perform a Get-Member command on any of the objects in the array.

For example: `PS C:\>$myobj = Get-DRAServerInfo`

```
Get-Member -inputObject $myobj.Domains[0]  -MemberType "property"
```

Parameters

Attribute / Description	Parameters / Values				
	Required	**Position**	**Default Value**	**Accept Pipeline input?**	**Accept wildcard characters?**
DRARestServer [<String>] The name of the computer running the DRA Rest Service. The requested DRA operation will execute on this server. If the parameter is not specified, the value defaults to 'localhost'.	false	named		true (ByPropertyName)	false
DRARestPort [<Int32>] The port where the DRA REST Service listens for requests. If the parameter is not specified, the value defaults to 8755.	false	named	8755	true (ByPropertyName)	false
IgnoreCertificateErrors [<SwitchParameter>] Allows the request to bypass any SSL certificate errors, such as the InvalidOperation error that occurs when the REST Service is bound to a self-signed certificate.	false	named		false	false
Force [<SwitchParameter>] Suppresses any request for user input and supplies a 'yes' response. For example: -Force with a delete request will perform the delete without presenting the confirmation request to the user.	false	named		false	false
Timeout [<Int32>] The number of seconds to wait before the request to the DRA REST server times out. To specify an infinite timeout, you can set this parameter to -1.	false	named	100 seconds	true (ByPropertyName)	false

Attribute / Description	Parameters / Values				
	Required	Position	Default Value	Accept Pipeline input?	Accept wildcard characters?
<CommonParameters> Verbose, Debug, ErrorAction, ErrorVariable, WarningAction, WarningVariable, OutBuffer, PipelineVariable, and OutVariable. For more information, see About CommonParameters (http://go.microsoft.com/fwlink/?LinkID=113216).					

NOTE: For more information, type "`Get-Help Get-DRAServerInfo -detailed`". For technical information, type "`Get-Help Get-DRAServerInfo -full`".

Example 7-1 *1*

```
PS C:\>Get-DRAServerInfo -DRARestServer "DRASVR10"
```

This example gets information about the server DRASVR10. The response will include information about this PowerShell client, such as whether the client user is a DRA Administrator. If the DRARestServer parameter is not specified, the command will retrieve information about the local computer.

Get-DRAServersForDomain

Synopsis

Gets the list of DRA Servers for the specified domain.

Syntax

```
Get-DRAServersForDomain -Domain <String> [-DRARestServer <String>]
[-DRARestPort <Int32>] [-IgnoreCertificateErrors <SwitchParameter>] [-
Force <SwitchParameter>] [-Timeout <Int32>] [<CommonParameters>]
```

Description

The Get-DRAServersForDomain cmdlet retrieves the list of servers registered with DRA for managing the domain specified in the Domain parameter. The request returns an array of objects. To see the list of properties returned, perform a Get-Member command on any of the objects in the returned Items array. For example: `PS C:\>Get-DRAServersForDomain -Domain MyDomain.corp Get-Member -inputObject $myobj.Items[0] -MemberType "property"`.

Parameters

Attribute / Description	Parameters / Values				
	Required	**Position**	**Default Value**	**Accept Pipeline input?**	**Accept wildcard characters?**
Domain <String> The domain of the object in fqdn format. For example: `mydomain.corp`	true	named		true (ByPropertyName)	false
DRARestServer [<String>] The name of the computer running the DRA Rest Service. The requested DRA operation will execute on this server. If the parameter is not specified, the value defaults to 'localhost'.	false	named		true (ByPropertyName	false
DRARestPort [<Int32>] The port where the DRA REST Service listens for requests. If the parameter is not specified, the value defaults to 8755.	false	named	8755	true (ByPropertyName	false
IgnoreCertificateErrors [<SwitchParameter>] Allows the request to bypass any SSL certificate errors, such as the InvalidOperation error that occurs when the REST Service is bound to a self-signed certificate.	false	named		false	false
Force [<SwitchParameter>] Suppresses any request for user input and supplies a 'yes' response. For example: -Force with a delete request will perform the delete without presenting the confirmation request to the user.	false	named		false	false
Timeout [<Int32>] The number of seconds to wait before the request to the DRA REST server times out. To specify an infinite timeout, you can set this parameter to -1.	false	named	100 seconds	true (ByPropertyName)	false

Attribute / Description	Parameters / Values				
	Required	**Position**	**Default Value**	**Accept Pipeline input?**	**Accept wildcard characters?**
<CommonParameters> Verbose, Debug, ErrorAction, ErrorVariable, WarningAction, WarningVariable, OutBuffer, PipelineVariable, and OutVariable. For more information, see About CommonParameters (http://go.microsoft.com/fwlink/?LinkID=113216).					

NOTE: For more information, type "`Get-Help Get-DRAServersForDomain -detailed`". For technical information, type "`Get-Help Get-DRAServersForDomain -full`".

Example 7-2 *1*

```
PS C:\>Get-DRAServersForDomain  -Domain MyDomain.corp
```

This example gets the list of DRA Servers that manage the domain MyDomain.corp.

8 Contact Commands

This section contains cmdlets you can execute for the Contact object type.

- "Add-DRAContact" on page 137
- "Copy-DRAContact" on page 140
- "Disable-DRAContactEmail" on page 143
- "Enable-DRAContactEmail" on page 146
- "Get-DRAContact" on page 148
- "Move-DRAContact" on page 152
- "Remove-DRAContact" on page 155
- "Restore-DRAContact" on page 157
- "Set-DRAContact" on page 160

- "Add-DRAContact" on page 137
- "Copy-DRAContact" on page 140
- "Disable-DRAContactEmail" on page 143
- "Enable-DRAContactEmail" on page 146
- "Get-DRAContact" on page 148
- "Move-DRAContact" on page 152
- "Remove-DRAContact" on page 155
- "Restore-DRAContact" on page 157
- "Set-DRAContact" on page 160

Add-DRAContact

Synopsis

Adds a contact object to an Active Directory domain.

Syntax

```
Add-DRAContact -Properties <Hashtable> -Domain <String> [-
DRARestServer<String>] [-DRARestPort <Int32>] [-
IgnoreCertificateErrors<SwitchParameter>] [-Force <SwitchParameter>] [-
Timeout <Int32>] [<CommonParameters>]
```

Description

The Add-DRAContact cmdlet adds a contact object to a domain managed by DRA. The requesting user must have the Create Contact power. To see the complete list of available properties, perform a Get-Member command on the object returned from any DRAContact command.

Parameters

Attribute / Description	Parameters / Values				
	Required	**Position**	**Default Value**	**Accept Pipeline input?**	**Accept wildcard characters?**
Properties <Hashtable> A hashtable of property values. The key is the name of a defined attribute in the REST interface. For example: `-Properties @{Attribute1DRADisplayName="my value"; Attribute2DRADisplayName=value}` Multiple values are specified as a comma-separated list. For example: `-Properties @{Attribute1DRADisplayName=value1, value2}` If the property name contains non-alphanumeric characters it needs to be quoted. For example: `-Properties @{"Attribute1-DRA-DisplayName"=value}` If the property value contains a quote it needs to be escaped with a backtick (`).  For example: `-Properties @{Attribute1DRADisplayName="``"sample``" value"}`	true	named		true (ByPropertyName)	false
Domain <String> The domain of the object in fqdn format. For example: `mydomain.corp`	true	named		true (ByPropertyName)	false
DRARestServer [<String>] The name of the computer running the DRA Rest Service. The requested DRA operation will execute on this server. If the parameter is not specified, the value defaults to 'localhost'.	false	named		true (ByPropertyName)	false

Attribute / Description	Parameters / Values				
	Required	**Position**	**Default Value**	**Accept Pipeline input?**	**Accept wildcard characters?**
DRARestPort [<Int32>] The port where the DRA REST Service listens for requests. If the parameter is not specified, the value defaults to 8755.	false	named	8755	true (ByPropertyName)	false
IgnoreCertificateErrors [<SwitchParameter>] Allows the request to bypass any SSL certificate errors, such as the InvalidOperation error that occurs when the REST Service is bound to a self-signed certificate.	false	named		false	false
Force [<SwitchParameter>] Suppresses any request for user input and supplies a 'yes' response. For example: -Force with a delete request will perform the delete without presenting the confirmation request to the user.	false	named		false	false
<CommonParameters> Verbose, Debug, ErrorAction, ErrorVariable, WarningAction, WarningVariable, OutBuffer, PipelineVariable, and OutVariable. For more information, see About CommonParameters (http://go.microsoft.com/fwlink/?LinkID=113216).					

NOTE: For more information, type "`Get-Help Add-DRAContact -detailed`". For technical information, type "`Get-Help Add-DRAContact -full`".

Example 8-1 *1*

```
PS C:\>Add-DRAContact  -Domain MyDomain.corp -Properties
@{FriendlyName="MyDomain.corp/Accounting/Contact123"; Description="Contact
for powershell";EmployeeId="xx123"}
```

This example creates a contact named Contact123 in Active Directory using the DRA FriendlyName property. The contact will be created in the domain MyDomain.corp in the Accounting OU. There are two properties set on this contact: Description and EmployeeId.

Example 8-2 *2*

```
PS C:\>Add-DRAContact  -Domain MyDomain.corp -Properties
@{DistinguishedName="CN=Contact123,OU=Accounting,
DC=MyDomain,DC=corp";Description="Contact for
powershell";EmployeeId="xx123"}
```

This example creates a contact named Contact123 in Active Directory using the DRA DistinguishedName property. The contact will be created in the domain MyDomain.corp in the Accounting OU. There are two properties set on this contact: Description and EmployeeId.

Example 8-3 *3*

```
PS C:\>Add-DRAContact  -Domain MyDomain.corp -Properties
@{FriendlyParentPath="MyDomain.corp/
Accounting";Name="Contact123";Description="PS Desc
001";EmployeeId="ZZZ123";samAccountName="AltSameName123"}
```

This example creates the contact Contact123 in Active Directory using the Name and DRA FriendlyParentPath properties. The contact will be created in the domain MyDomain.corp in the Accounting OU. There are three properties set on this contact: Description, EmployeeId, and samAccountName.

Copy-DRAContact

Synopsis

Copies an existing contact to a new contact.

Syntax

```
Copy-DRAContact -Domain <String> -Properties <Hashtable> -Identifier
<String> [-DRARestServer <String>] [-DRARestPort <Int32>] [-
IgnoreCertificateErrors <SwitchParameter>] [-Force <SwitchParameter>] [-
Timeout <Int32>] [<CommonParameters>]
```

Description

The Copy-DRAContact cmdlet copies an existing contact properties to a new contact.

The values provided in the -Properties parameter will overwrite the values provided by the existing contact. You must supply properties to give the new contact a name. See the Add-DRAContact for examples of how to define the new contact. The response contains the string generated by the server.

.

Parameters

Attribute / Description	Parameters / Values				
	Required	**Position**	**Default Value**	**Accept Pipeline input?**	**Accept wildcard characters?**
Properties <Hashtable> A hashtable of property values. The key is the name of a defined attribute in the REST interface. For example: `-Properties @{Attribute1DRADisplayName="my value"; Attribute2DRADisplayName=value}` Multiple values are specified as a comma-separated list. For example: `-Properties @{Attribute1DRADisplayName=value1, value2}` If the property name contains non-alphanumeric characters it needs to be quoted. For example: `-Properties @{"Attribute1-DRA-DisplayName"=value}` If the property value contains a quote it needs to be escaped with a backtick (`).  For example: `-Properties @{Attribute1DRADisplayName="`"sample`" value"}`	true	named		true (ByPropertyName)	false
Identifier <String> The name or distinguished name of an existing Active Directory object. When the name is specified, an additional call to the DRA Server is needed to obtain the distinguished name for the object.	true	named		true (ByPropertyName)	false
Domain <String> The domain of the object in fqdn format. For example: `mydomain.corp`	true	named		true (ByPropertyName)	false

Attribute / Description	Parameters / Values				
	Required	**Position**	**Default Value**	**Accept Pipeline input?**	**Accept wildcard characters?**
DRARestServer [<String>] The name of the computer running the DRA Rest Service. The requested DRA operation will execute on this server. If the parameter is not specified, the value defaults to 'localhost'.	false	named		true (ByPropertyName	false
DRARestPort [<Int32>] The port where the DRA REST Service listens for requests. If the parameter is not specified, the value defaults to 8755.	false	named	8755	true (ByPropertyName	false
IgnoreCertificateErrors [<SwitchParameter>] Allows the request to bypass any SSL certificate errors, such as the InvalidOperation error that occurs when the REST Service is bound to a self-signed certificate.	false	named		false	false
Force [<SwitchParameter>] Suppresses any request for user input and supplies a 'yes' response. For example: -Force with a delete request will perform the delete without presenting the confirmation request to the user.	false	named		false	false
Timeout [<Int32>] The number of seconds to wait before the request to the DRA REST server times out. To specify an infinite timeout, you can set this parameter to -1.	false	named	100 seconds	true (ByPropertyName)	false

Attribute / Description	Parameters / Values				
	Required	Position	Default Value	Accept Pipeline input?	Accept wildcard characters?
<CommonParameters> Verbose, Debug, ErrorAction, ErrorVariable, WarningAction, WarningVariable, OutBuffer, PipelineVariable, and OutVariable. For more information, see About CommonParameters (http://go.microsoft.com/fwlink/?LinkID=113216).					

NOTE: For more information, type "`Get-Help Copy-DRAContact -detailed`". For technical information, type "`Get-Help Copy-DRAContact -full`".

Example 8-4 *1*

```
PS C:\>Copy-DRAContact -Identifier
"CN=Contactsource,OU=Accounting,DC=MyDomain,DC=corp" –Properties
@{distinguishedName="CN=CONTACT123,OU=Tax,DC=MyDomain,DC=corp"} -domain
MyDomain.corp
```

This example will copy the contact named Contactsource from the Accounting OU in MyDomain.corp to a new contact named CONTACT123 in the Tax OU in MyDomain.corp. The properties of CONTACT123 will be the same as the properties of Contactsource.

Example 8-5 *2*

```
PS C:\>Copy-DRAContact -Identifier
"CN=Contactsource,OU=Accounting,DC=MyDomain,DC=corp" -Properties
{distinguishedName="CN=CONTACT123,OU=Tax,DC=MyDomain,DC=corp";Description=
"Tax group member"} -domain MyDomain.corp
```

This example will copy the contact named Contactsource from the Accounting OU in MyDomain.corp to a new contact named CONTACT123 in the Tax OU in MyDomain.corp. The Description property for CONTACT123 will be set to 'Tax group member'.

Disable-DRAContactEmail

Synopsis

Disables email for the contact account specified by the Identifier parameter.

Syntax

```
Disable-DRAContactEmail -Domain <String> -Identifier <String> [-
DRARestServer <String>] [-DRARestPort <Int32>] [-IgnoreCertificateErrors
<SwitchParameter>] [-Force <SwitchParameter>] [-Timeout <Int32>]
[<CommonParameters>]
```

Description

The Disable-DRAContactEmail cmdlet disables email on the account specified by the Identifier parameter. The requesting user must have the Delete Email for Contact power.

Parameters

Attribute / Description	Parameters / Values				
	Required	**Position**	**Default Value**	**Accept Pipeline input?**	**Accept wildcard characters?**
I***dentifier <String>*** The name or distinguished name of an existing Active Directory object. When the name is specified, an additional call to the DRA Server is needed to obtain the distinguished name for the object.	true	named		true (ByPropertyName)	false
Domain <String> The domain of the object in fqdn format. For example: `mydomain.corp`	true	named		true (ByPropertyName)	false
DRARestServer [<String>] The name of the computer running the DRA Rest Service. The requested DRA operation will execute on this server. If the parameter is not specified, the value defaults to 'localhost'.	false	named		true (ByPropertyName)	false
DRARestPort [<Int32>] The port where the DRA REST Service listens for requests. If the parameter is not specified, the value defaults to 8755.	false	named	8755	true (ByPropertyName)	false

Attribute / Description	Parameters / Values				
	Required	**Position**	**Default Value**	**Accept Pipeline input?**	**Accept wildcard characters?**
IgnoreCertificateErrors [<SwitchParameter>] Allows the request to bypass any SSL certificate errors, such as the InvalidOperation error that occurs when the REST Service is bound to a self-signed certificate.	false	named		false	false
Force [<SwitchParameter>] Suppresses any request for user input and supplies a 'yes' response. For example: -Force with a delete request will perform the delete without presenting the confirmation request to the user.	false	named		false	false
Timeout [<Int32>] The number of seconds to wait before the request to the DRA REST server times out. To specify an infinite timeout, you can set this parameter to -1.	false	named	100 seconds	true (ByPropertyName)	false
<CommonParameters> Verbose, Debug, ErrorAction, ErrorVariable, WarningAction, WarningVariable, OutBuffer, PipelineVariable, and OutVariable. For more information, see About CommonParameters (http://go.microsoft.com/fwlink/?LinkID=113216).					

NOTE: For more information, type "`Get-Help Disable-DRAContactEmail -detailed`". For technical information, type "`Get-Help Disable-DRAContactEmail -full`".

Example 8-6 *1*

```
PS C:\>Disable-DRAContactEmail  -Domain MyDomain.corp -Identifier
"CN=Ct123,OU=Accounting,DC=MyDomain,DC=corp"
```

This example disables email for the contact named Ct123 in MyDomain.corp. The identifier contains the distinguished name for the account.

Enable-DRAContactEmail

Synopsis

Enables email for the contact account specified by the Identifier parameter.

Syntax

```
Enable-DRAContactEmail -Domain <String> -ExchangeDN <String> -EmailAddress
<String> -Identifier <String> [-DRARestServer <String>] [-DRARestPort
<Int32>] [-IgnoreCertificateErrors <SwitchParameter>] [-Force
<SwitchParameter> [-Timeout <Int32>] [<CommonParameters>]
```

Description

The Enable-DRAContactEmail cmdlet enables email for the specified contact account. The requesting user must have the Enable Email for Contact power.

Parameters

Attribute / Description	Parameters / Values				
	Required	**Position**	**Default Value**	**Accept Pipeline input?**	**Accept wildcard characters?**
ExchangeDN <String> A Full path to the Exchange service. Use the `Get-DRAExchangeServers` command to obtain the list of Exchange servers managed through DRA.	true	named		false	false
EmailAddress<String> The full email address for the account. For example: `MyUserName@mydomain.corp`.	true	named		false	false
Identifier <String> The name or distinguished name of an existing Active Directory object. When the name is specified, an additional call to the DRA Server is needed to obtain the distinguished name for the object.	true	named		true (ByPropertyName)	false

Attribute / Description	Parameters / Values				
	Required	**Position**	**Default Value**	**Accept Pipeline input?**	**Accept wildcard characters?**
Domain <String> The domain of the object in fqdn format. For example: `mydomain.corp`	true	named		true (ByPropertyName)	false
DRARestServer [<String>] The name of the computer running the DRA Rest Service. The requested DRA operation will execute on this server. If the parameter is not specified, the value defaults to 'localhost'.	false	named		true (ByPropertyName	false
DRARestPort [<Int32>] The port where the DRA REST Service listens for requests. If the parameter is not specified, the value defaults to 8755.	false	named	8755	true (ByPropertyName	false
IgnoreCertificateErrors [<SwitchParameter>] Allows the request to bypass any SSL certificate errors, such as the InvalidOperation error that occurs when the REST Service is bound to a self-signed certificate.	false	named		false	false
Force [<SwitchParameter>] Suppresses any request for user input and supplies a 'yes' response. For example: -Force with a delete request will perform the delete without presenting the confirmation request to the user.	false	named		false	false
Timeout [<Int32>] The number of seconds to wait before the request to the DRA REST server times out. To specify an infinite timeout, you can set this parameter to -1.	false	named	100 seconds	true (ByPropertyName)	false

Attribute / Description	Parameters / Values				
	Required	Position	Default Value	Accept Pipeline input?	Accept wildcard characters?
<CommonParameters> Verbose, Debug, ErrorAction, ErrorVariable, WarningAction, WarningVariable, OutBuffer, PipelineVariable, and OutVariable. For more information, see About CommonParameters (http://go.microsoft.com/fwlink/?LinkID=113216).					

NOTE: For more information, type "`Get-Help Enable-DRAContactEmail -detailed`". For technical information, type "`Get-Help Enable-DRAContactEmail -full`".

Example 8-7 *1*

```
PS C:\>Enable-DRAContactEmail  -Domain MyDomain.corp -Identifier
"CN=Ct123,OU=Accounting,DC=MyDomain,DC=corp" -ExchangeDN "/o=First/
ou=Exchange Administrative Contact (FYDIBOHF23SPDLT)/CN=Recipients/
CN=Ct123" -EmailAddress "Ct123@MyDomain.corp"
```

This example enables email for the user named Ct123 in MyDomain.corp. The identifier contains the distinguished name for the contact.

Get-DRAContact

Synopsis

Gets information about an Active Directory contact account.

Syntax

```
Get-DRAContact -Domain <String> [-IncludeAllVAProperties
<SwitchParameter>] [-Attributes <String[]>] [-PowersForOperations
<String[]>] [-VisiblePropertiesOnly <SwitchParameter>] -Identifier
<String> [-DRARestServer <String>] [-DRARestPort <Int32>] [-
IgnoreCertificateErrors <SwitchParameter>] [-Force <SwitchParameter>] [-
Timeout <Int32>] [<CommonParameters>]
```

Description

The Get-DRAContact cmdlet returns the properties of the requested contact account managed by DRA. The requesting user must have the View All Contact Properties power. You can view the default list of properties or specify specific properties. The default properties for a contact account include: `Description`, `DistinguishedName`, `Name`, `DisplayName`, `EmployeeID`, and `Mail`.

See the examples for information on how to view specific properties.

Parameters

Attribute / Description	Parameters / Values				
	Required	**Position**	**Default Value**	**Accept Pipeline input?**	**Accept wildcard characters?**
IncludeAllVAProperties {<SwitchParameter>] A flag to indicate whether DRA should return the virtual attributes. If you specify this flag, DRA returns the virtual attributes that the user has powers to view. If you specify the `Attributes` parameter along with this flag, DRA returns the virtual attributes along with the properties specified in the `Attributes` parameter.	false	named		false	false
Attributes [<String[]>] An array of attributes to retrieve values for. If this parameter is missing, a default list of properties is returned.	false	named		true (ByPropertyName)	false
PowersForOperations [<String[]>] An array of DRA operation names for which you want the server to return read/write permission information.This parameter is typically used by a UI-based client to hide or disable elements the calling user doesn't have powers for. The `PowersForOperations` parameter is applicable only if you have specified the `Identifier` parameter.	false	named		true (ByPropertyName)	false

Attribute / Description	Parameters / Values				
	Required	**Position**	**Default Value**	**Accept Pipeline input?**	**Accept wildcard characters?**
VisiblePropertiesOnly [<SwitchParameter>] A flag to indicate whether DRA should return only properties the caller has powers to view. By default, DRA will return an error if the caller requests a property that they do not have powers to view. By specifying this flag DRA is instructed to not return an error and instead just not return a value for such properties.	false	named		false	false
Identifier <String> The name or distinguished name of an existing Active Directory object. When the name is specified, an additional call to the DRA Server is needed to obtain the distinguished name for the object.	true	named		true (ByPropertyName)	false
Domain <String> The domain of the object in fqdn format. For example: `mydomain.corp`	true	named		true (ByPropertyName)	false
DRARestServer [<String>] The name of the computer running the DRA Rest Service. The requested DRA operation will execute on this server. If the parameter is not specified, the value defaults to 'localhost'.	false	named		true (ByPropertyName)	false
DRARestPort [<Int32>] The port where the DRA REST Service listens for requests. If the parameter is not specified, the value defaults to 8755.	false	named	8755	true (ByPropertyName)	false

Attribute / Description	Parameters / Values				
	Required	**Position**	**Default Value**	**Accept Pipeline input?**	**Accept wildcard characters?**
IgnoreCertificateErrors [<SwitchParameter>] Allows the request to bypass any SSL certificate errors, such as the InvalidOperation error that occurs when the REST Service is bound to a self-signed certificate.	false	named		false	false
Force [<SwitchParameter>] Suppresses any request for user input and supplies a 'yes' response. For example: -Force with a delete request will perform the delete without presenting the confirmation request to the user.	false	named		false	false
Timeout [<Int32>] The number of seconds to wait before the request to the DRA REST server times out. To specify an infinite timeout, you can set this parameter to -1. ***<CommonParameters>*** Verbose, Debug, ErrorAction, ErrorVariable, WarningAction, WarningVariable, OutBuffer, PipelineVariable, and OutVariable. For more information, see About CommonParameters (http://go.microsoft.com/fwlink/?LinkID=113216).	false	named	100 seconds	true (ByPropertyName)	false

NOTE: For more information, type "`Get-Help Get-DRAContact -detailed`". For technical information, type "`Get-Help Get-DRAContact -full`".

Example 8-8 *1*

```
PS C:\>Get-DRAContact -Domain MyDomain.corp -Identifier "Contact123" -
Attributes
"Description","DisplayName","EmployeeId","DistinguishedName","FriendlyPath
","FriendlyParentPath","FriendlyName","IsDisabled","ObjectCategory"
```

This example requests the properties of the contact named Contact123 in MyDomain.corp. The Attributes parameter specifies what properties to return. When the Attributes parameter is not present, a default list of properties will be returned.

Example 8-9 *2*

```
PS C:\>Get-DRAContact  -Domain MyDomain.corp -Identifier "Contact123"
```

This example requests the properties of the contact named Contact123 in MyDomain.corp. The identifier contains the name for the contact. When the name is used, DRA resolves the name to the distinguished name and then requests the properties for the contact.

Example 8-10 *3*

```
PS C:\>Get-DRAContact  -Domain MyDomain.corp -Identifier
"CN=Contact123,OU=Accounting,DC=MyDomain,DC=corp"
```

This example requests the properties of the contact named Contact123 in MyDomain.corp. The identifier contains the distinguished name for the contact.

Example 8-11 *3*

```
Get-DRAContact -Domain MyDomain.corp -Identifier "Contact123" -Attributes
"Description","DisplayName" -IncludeAllVAProperties
```

This example requests the properties of the contact named "Contact123" in the "MyDomain.corp" domain. The `Attributes` parameter specifies the properties to return. The `IncludeAllVAProperties` parameter returns all virtual attributes that the assistant administrator has powers to view.

Move-DRAContact

Synopsis

Moves a contact from one location in Active Directory to another.

Syntax

```
Move-DRAContact -Domain <String> -TargetContainer <String> -Identifier
<String> [-DRARestServer <String>] [-DRARestPort <Int32>] [-
IgnoreCertificateErrors <SwitchParameter>] [-Force <SwitchParameter>] [-
Timeout <Int32>] [<CommonParameters>]
```

Description

The Move-DRAContact cmdlet moves the contact specified by the Identifier parameter to the OU container named in the TargetContainer parameter. The requesting user must have the Move Contact to OU power on the TargetContainer. Supported formats for Identifier are name, friendly name, and distinguished name.

Parameters

Attribute / Description	Parameters / Values				
	Required	**Position**	**Default Value**	**Accept Pipeline input?**	**Accept wildcard characters?**
TargetContainer <String> The full path to the destination container for the object you are moving, in distinguished name format. For example: -`TargetContainer "OU=Accounting,DC=MyDomain,DC=corp`”.	true	named		true (ByPropertyName)	false
I***dentifier <String>*** The name or distinguished name of an existing Active Directory object. When the name is specified, an additional call to the DRA Server is needed to obtain the distinguished name for the object.	true	named		true (ByPropertyName)	false
Domain <String> The domain of the object in FQDN format. For example: `mydomain.corp`	true	named		true (ByPropertyName)	false
DRARestServer [<String>] The name of the computer running the DRA Rest Service. The requested DRA operation will execute on this server. If the parameter is not specified, the value defaults to 'localhost'.	false	named		true (ByPropertyName)	false
DRARestPort [<Int32>] The port where the DRA REST Service listens for requests. If the parameter is not specified, the value defaults to 8755.	false	named	8755	true (ByPropertyName)	false
IgnoreCertificateErrors [<SwitchParameter>] Allows the request to bypass any SSL certificate errors, such as the InvalidOperation error that occurs when the REST Service is bound to a self-signed certificate.	false	named		false	false

Attribute / Description	Parameters / Values				
	Required	**Position**	**Default Value**	**Accept Pipeline input?**	**Accept wildcard characters?**
Force [<SwitchParameter>] Suppresses any request for user input and supplies a 'yes' response. For example: -Force with a delete request will perform the delete without presenting the confirmation request to the user.	false	named		false	false
Timeout [<Int32>] The number of seconds to wait before the request to the DRA REST server times out. To specify an infinite timeout, you can set this parameter to -1.	false	named	100 seconds	true (ByPropertyName)	false
<CommonParameters> Verbose, Debug, ErrorAction, ErrorVariable, WarningAction, WarningVariable, OutBuffer, PipelineVariable, and OutVariable. For more information, see About CommonParameters (http://go.microsoft.com/fwlink/?LinkID=113216).					

NOTE: For more information, type "`Get-Help Move-DRAContact -detailed`". For technical information, type "`Get-Help Move-DRAContact -full`".

Example 8-12 *1*

```
PS C:\>Move-DRAContact -Domain MyDomain.corp -Identifier
"CN=Charlie,OU=Accounting,DC=MyDomain,DC=corp" -TargetContainer
"OU=AccountingHomeOffice,DC=MyDomain,DC=corp"
```

This example moves the contact named Charlie from the Accounting container to the AccountingHomeOffice container. The identifier parameter specifies the distinguished name for the contact.

Remove-DRAContact

Synopsis

Removes a contact account from Active Directory.

Syntax

```
Remove-DRAContact -Domain <String> -Identifier <String>  [-DRARestServer
<String>] [-DRARestPort <Int32>] [-IgnoreCertificateErrors
<SwitchParameter>] [-Force <SwitchParameter> [-Timeout <Int32>]
[<CommonParameters>]
```

Description

The Remove-DRAContact cmdlet deletes the requested contact account. The requesting user must have one of the Delete Contact powers. If the Recycle Bin is enabled, the contact is moved to the Recycle Bin.

Parameters

Attribute / Description	Parameters / Values				
	Required	**Position**	**Default Value**	**Accept Pipeline input?**	**Accept wildcard characters?**
Identifier <String> The name or distinguished name of an existing Active Directory object. When the name is specified, an additional call to the DRA Server is needed to obtain the distinguished name for the object.	true	named		true (ByPropertyName)	false
Domain <String> The domain of the object in fqdn format. For example: `mydomain.corp`	true	named		true (ByPropertyName)	false
DRARestServer [<String>] The name of the computer running the DRA Rest Service. The requested DRA operation will execute on this server. If the parameter is not specified, the value defaults to 'localhost'.	false	named		true (ByPropertyName	false
DRARestPort [<Int32>] The port where the DRA REST Service listens for requests. If the parameter is not specified, the value defaults to 8755.	false	named	8755	true (ByPropertyName	false

Attribute / Description	Parameters / Values				
	Required	**Position**	**Default Value**	**Accept Pipeline input?**	**Accept wildcard characters?**
IgnoreCertificateErrors [<SwitchParameter>] Allows the request to bypass any SSL certificate errors, such as the InvalidOperation error that occurs when the REST Service is bound to a self-signed certificate.	false	named		false	false
Force [<SwitchParameter>] Suppresses any request for user input and supplies a 'yes' response. For example: -Force with a delete request will perform the delete without presenting the confirmation request to the user.	false	named		false	false
Timeout [<Int32>] The number of seconds to wait before the request to the DRA REST server times out. To specify an infinite timeout, you can set this parameter to -1.	false	named	100 seconds	true (ByPropertyName)	false
<CommonParameters> Verbose, Debug, ErrorAction, ErrorVariable, WarningAction, WarningVariable, OutBuffer, PipelineVariable, and OutVariable. For more information, see About CommonParameters (http://go.microsoft.com/fwlink/?LinkID=113216).					

NOTE: For more information, type "`Get-Help Remove-DRAContact -detailed`". For technical information, type "`Get-Help Remove-DRAContact -full`".

Example 8-13 *1*

```
PS C:\>Remove-DRAContact  -Domain MyDomain.corp -Identifier
"CN=Contact123,OU=Accounting,DC=MyDomain,DC=corp"
```

This example deletes the contact named Contact123 from MyDomain.corp. The identifier contains the distinguished name for the contact. If the Recycle Bin is enabled, the contact is moved to the Recycle Bin. Otherwise, it is removed permanently.

Example 8-14 *2*

```
PS C:\>Remove-DRAContact -Domain MyDomain.corp -Identifier
"CN=Contact123,OU=NetIQRecycleBin,DC=MyDomain,DC=corp"
```

This example deletes the contact named Contact123 from the DRA Recycle Bin, removing it permanently from Active Directory.

Restore-DRAContact

Synopsis

Restores the specified contact from the Recycle Bin.

Syntax

```
Restore-DRAContact -Domain <String> [-DomainController <String>]
[-RestoreToContainer <String>] -Identifier <String>[-DRARestServer
<String>] [-DRARestPort <Int32>] [-IgnoreCertificateErrors
<SwitchParameter>] [-Force <SwitchParameter>] [-Timeout <Int32>]
[<CommonParameters>]
```

Description

The Restore-DRAContact cmdlet will restore a previously deleted contact from the Recycle Bin to its original container or to a new specified container. Supported formats for the identifier are friendly name and distinguished name. If the full path is specified, it must point to the Recycle Bin (NetIQRecycleBin).

Parameters

Attribute / Description	Parameters / Values				
	Required	**Position**	**Default Value**	**Accept Pipeline input?**	**Accept wildcard characters?**
DomainController [<String>] The computer name of a specific domain controller to use for the request.	false	named		true (ByPropertyName)	false
RestoreToContainer [<String>] The distinguished name of the container to which you want to restore the object. If this parameter is not specified, DRA will attempt to restore the object to its original container.	false	named		true (ByPropertyName)	false

Attribute / Description	Parameters / Values				
	Required	**Position**	**Default Value**	**Accept Pipeline input?**	**Accept wildcard characters?**
Identifier <String> The name or distinguished name of an existing Active Directory object. When the name is specified, an additional call to the DRA Server is needed to obtain the distinguished name for the object.	true	named		true (ByPropertyName)	false
Domain <String> The domain of the object in fqdn format. For example: `mydomain.corp`	true	named		true (ByPropertyName)	false
DRARestServer [<String>] The name of the computer running the DRA Rest Service. The requested DRA operation will execute on this server. If the parameter is not specified, the value defaults to 'localhost'.	false	named		true (ByPropertyName)	false
DRARestPort [<Int32>] The port where the DRA REST Service listens for requests. If the parameter is not specified, the value defaults to 8755.	false	named	8755	true (ByPropertyName)	false
IgnoreCertificateErrors [<SwitchParameter>] Allows the request to bypass any SSL certificate errors, such as the InvalidOperation error that occurs when the REST Service is bound to a self-signed certificate.	false	named		false	false
Force [<SwitchParameter>] Suppresses any request for user input and supplies a 'yes' response. For example: -Force with a delete request will perform the delete without presenting the confirmation request to the user.	false	named		false	false

Attribute / Description	Parameters / Values				
	Required	**Position**	**Default Value**	**Accept Pipeline input?**	**Accept wildcard characters?**
Timeout [<Int32>] The number of seconds to wait before the request to the DRA REST server times out. To specify an infinite timeout, you can set this parameter to -1. ***<CommonParameters>*** Verbose, Debug, ErrorAction, ErrorVariable, WarningAction, WarningVariable, OutBuffer, PipelineVariable, and OutVariable. For more information, see About CommonParameters (http://go.microsoft.com/fwlink/?LinkID=113216).	false	named	100 seconds	true (ByPropertyName)	false

NOTE: For more information, type "`Get-Help Set-Restore-DRAContact -detailed`". For technical information, type "`Get-Help Set-Restore-DRAContact -full`".

Example 8-15 *1*

```
PS C:\>Restore-DRAContact -Identifier
"CN=MyContact8,OU=NetIQRecycleBin,DC=MyDomain,DC=corp" -Domain MyDom.corp
```

This example will restore a Contact named MyContact8 from the NetIQRecycleBin in MyDom.corp. It will be restored to the container from which it was deleted.

Example 8-16 *2*

```
PS C:\>Restore-DRAContact -Identifier
"CN=MyContact8,OU=NetIQRecycleBin,DC=MyDomain,DC=corp" -RestoreToContainer
"OU=TempCon,DC=MyDomain,DC=CORP" -domain MyDomain.corp
```

This example will restore a contact named MyContact8 from the NetIQRecycleBin in MyDomain.corp. It will be restored to the container named TempCon in MyDomain.corp

Set-DRAContact

Synopsis

Updates the properties of an existing contact account in Active Directory.

Syntax

```
Set-DRAContact -Domain <String> [-Properties <Hashtable>] [-Replace
<Hashtable>] [-Add <Hashtable>] [-Remove <Hashtable>] [-Clear <String[]>] -
Identifier <String> [-DRARestServer <String>] [-DRARestPort <Int32>] [-
IgnoreCertificateErrors <SwitchParameter>] [-Force <SwitchParameter>] [-
Timeout <Int32>] [<CommonParameters>]
```

Description

The Set-DRAContact cmdlet modifies the requested contact account. The requesting user must have one of the Modify Contact powers.

NOTE: The Set-DRAContact cmdlet supports multi-values for the `OtherFacsimileTelephoneNumber`, `OtherHomePhones`, `OtherIpPhones`, `OtherMobilePhones`, `OtherPagers`, `OtherTelephones`, `ProxyAddresses`, and `Urls` attributes.

Parameters

Attribute / Description	Parameters / Values				
	Required	**Position**	**Default Value**	**Accept Pipeline input?**	**Accept wildcard characters?**
Properties <Hashtable> A hashtable of property values. The key is the name of a defined attribute in the REST interface. For example: `-Properties @{Attribute1DRADisplayName="my value"; Attribute2DRADisplayName=value}` Multiple values are specified as a comma-separated list. For example: `-Properties @{Attribute1DRADisplayName=value1, value2}` If the property name contains non-alphanumeric characters it needs to be quoted. For example: `-Properties @{"Attribute1-DRA-DisplayName"=value}` If the property value contains a quote it needs to be escaped with a backtick (`).  For example: `-Properties @{Attribute1DRADisplayName="`"sample`" value"}`	true	named		true (ByPropertyName)	false

Attribute / Description	Parameters / Values				
	Required	**Position**	**Default Value**	**Accept Pipeline input?**	**Accept wildcard characters?**
Replace [<Hashtable>] A Hashtable of property values to replace the current set of values for the specified property. The key is the name of a defined property in the REST interface. For example: `-Replace @{Attribute1DRADisplayName="my value"; Attribute2DRADisplayName=value}` Multiple values are specified as a comma-separated list and will replace currently set values. For example: `-Replace @{Attribute1DRADisplayName=value1, value2}` If the property name contains non-alphanumeric characters it needs to be quoted. For example: `-Replace @{"Attribute1-DRA-DisplayName"=value}` If the property value contains a quote it needs to be escaped with a backtick (`).  For example: `-Replace @{Attribute1DRADisplayName="`"sample`" value"}`	false	named		true (ByPropertyName)	false

Attribute / Description	Parameters / Values				
	Required	**Position**	**Default Value**	**Accept Pipeline input?**	**Accept wildcard characters?**
Add [<Hashtable>] A Hashtable of property values to add to the current set of values for the specified multi-valued property. The key is the name of a defined property in the REST interface. For example: `-Add @{Attribute1DRADisplayName=value; Attribute2DRADisplayName=value1, value2; ...; AttributeNDRADisplayName=value1, value2}` Multiple values are specified as a comma-separated list. For example: `-Add @{Attribute1DRADisplayName=value1, value2}}` If the property name contains non-alphanumeric characters it needs to be quoted. For example: `-Add @{"Attribute1-DRA-DisplayName"=value}` If the property value contains a quote it needs to be escaped with a backtick (`).  For example: `-Add @{Attribute1DRADisplayName="`"sample`" value"}`	false	named		true (ByPropertyName)	false

Attribute / Description	Parameters / Values				
	Required	**Position**	**Default Value**	**Accept Pipeline input?**	**Accept wildcard characters?**
Remove [<Hashtable>] A Hashtable of property values to remove from the current set of values for the specified multi-valued property. The key is the name of a defined property in the REST interface. For example: `-Remove @{Attribute1DRADisplayName=value; Attribute2DRADisplayName=value1, value2; ...; AttributeNDRADisplayName=value1, value2}` Multiple values are specified as a comma-separated list and will be removed from currently set values. For example: `-Remove @{Attribute1DRADisplayName=value1,value2}` If the property name contains non-alphanumeric characters it needs to be quoted. For example: `-Remove @{"Attribute1-DRA-DisplayName"=value}` If the property value contains a quote it needs to be escaped with a backtick (`).  For example: `-Remove @{Attribute1DRADisplayName="`"sample`" value"}`	false	named		true (ByPropertyName)	false

Attribute / Description	Parameters / Values				
	Required	**Position**	**Default Value**	**Accept Pipeline input?**	**Accept wildcard characters?**
Clear [<String>] An array of property names whose values will be cleared. Each name is the name of a defined property in the REST interface. For example: `-Clear "Attribute1-DRA-DisplayName"` Multiple values need to be separated by a comma. For example: `-Clear Attribute1DRADisplayName, Attribute2DRADisplayName`	false	named		true (ByPropertyName)	false
Identifier <String> The name or distinguished name of an existing Active Directory object. When the name is specified, an additional call to the DRA Server is needed to obtain the distinguished name for the object.	true	named		true (ByPropertyName)	false
Domain <String> The domain of the object in fqdn format. For example: `mydomain.corp`	true	named		true (ByPropertyName)	false
DRARestServer [<String>] The name of the computer running the DRA Rest Service. The requested DRA operation will execute on this server. If the parameter is not specified, the value defaults to 'localhost'.	false	named		true (ByPropertyName	false
DRARestPort [<Int32>] The port where the DRA REST Service listens for requests. If the parameter is not specified, the value defaults to 8755.	false	named	8755	true (ByPropertyName	false

Attribute / Description	Parameters / Values				
	Required	**Position**	**Default Value**	**Accept Pipeline input?**	**Accept wildcard characters?**
IgnoreCertificateErrors [<SwitchParameter>] Allows the request to bypass any SSL certificate errors, such as the InvalidOperation error that occurs when the REST Service is bound to a self-signed certificate.	false	named		false	false
Force [<SwitchParameter>] Suppresses any request for user input and supplies a 'yes' response. For example: -Force with a delete request will perform the delete without presenting the confirmation request to the user.	false	named		false	false
Timeout [<Int32>] The number of seconds to wait before the request to the DRA REST server times out. To specify an infinite timeout, you can set this parameter to -1. ***<CommonParameters>*** Verbose, Debug, ErrorAction, ErrorVariable, WarningAction, WarningVariable, OutBuffer, PipelineVariable, and OutVariable. For more information, see About CommonParameters (http://go.microsoft.com/fwlink/?LinkID=113216).	false	named	100 seconds	true (ByPropertyName)	false

NOTE: For more information, type "`Get-Help Set-DRAContact -detailed`". For technical information, type "`Get-Help Set-DRAContact -full`".

Example 8-17 *1*

```
PS C:\>Set-DRAContact -Domain MyDomain.corp -Identifier "Contact123" -
Properties @{Manager="CN=George,CN=Users,
DC=MYDOMAIN,DC=corp";Description="updated
description";EmployeeId="EMP123";City="Houston"}
```

This example updates some of the properties for the contact Contact123 in MyDomain.corp. The Identifier specifies the name of the contact. When the identifier format is the name, DRA resolves the name to the full distinguished name before sending the update request.

Example 8-18 *2*

```
PS C:\>Set-DRAContact -Domain MyDomain.corp -Identifier
"CN=Contact123,OU=Accounting,DC=MyDomain,DC=corp" -Properties
{City="Houston";EmployeeId="EMP123"}
```

This example updates some of properties for the contact contact123 in MyDomain.corp. The identifier contains the distinguished name for the contact. Three properties are updated: City, Location, and EmployeeId. To see the complete list of available properties, perform a Get-Member command on the object returned from any DRAContact command.

9 Container Commands

This section contains cmdlets you can execute for the Container and Builtin Container object type.

- "Get-DRABuiltinContainer" on page 169
- "Get-DRAContainer" on page 173
- "Set-DRABuiltinContainer" on page 176
- "Set-DRAContainer" on page 179

- "Get-DRABuiltinContainer" on page 169
- "Get-DRAContainer" on page 173
- "Set-DRABuiltinContainer" on page 176
- "Set-DRAContainer" on page 179

Get-DRABuiltinContainer

Synopsis

Gets information about an Active Directory Builtin Container.

Syntax

```
Get-DRABuiltinContainer -Domain <String> [-Attributes <String[]>]
[-PowersForOperations <String[]>][-VisiblePropertiesOnly
<SwitchParameter>] -Identifier <String> [-DRARestServer <String>]
[-DRARestPort <Int32>] [-IgnoreCertificateErrors <SwitchParameter>]
[-Force <SwitchParameter>] [-Timeout <Int32>] [<CommonParameters>]
```

Description

The Get-DRABuiltinContainer cmdlet returns the properties of the requested builtin container managed by DRA. The requesting user must have the View All OU Properties power. You can view the default list of properties or specify specific properties. The default properties of a Builtin container include: `Name`, `Description`, and `DistinguishedName`.

See the examples for information on how to view specific properties.

Parameters

Attribute / Description	Parameters / Values				
	Required	**Position**	**Default Value**	**Accept Pipeline input?**	**Accept wildcard characters?**
Attributes [<String[]>] An array of attributes to retrieve values for. If this parameter is missing, a default list of properties is returned.	false	named		true (ByPropertyName)	false
PowersForOperations [<String[]>] An array of DRA operation names for which you want the server to return read/write permission information.This parameter is typically used by a UI-based client to hide or disable elements the calling user doesn't have powers for. The `PowersForOperations` parameter is applicable only if you have specified the `Identifier` parameter.	false	named		true (ByPropertyName)	false
VisiblePropertiesOnly [<SwitchParameter>] A flag to indicate whether DRA should return only properties the caller has powers to view. By default, DRA will return an error if the caller requests a property that they do not have powers to view. By specifying this flag DRA is instructed to not return an error and instead just not return a value for such properties.	false	named		false	false
Identifier <String> The name or distinguished name of an existing Active Directory object. When the name is specified, an additional call to the DRA Server is needed to obtain the distinguished name for the object.	true	named		true (ByPropertyName)	false

Attribute / Description	Parameters / Values				
	Required	**Position**	**Default Value**	**Accept Pipeline input?**	**Accept wildcard characters?**
Domain <String> The domain of the object in fqdn format. For example: `mydomain.corp`	true	named		true (ByPropertyName)	false
DRARestServer [<String>] The name of the computer running the DRA Rest Service. The requested DRA operation will execute on this server. If the parameter is not specified, the value defaults to 'localhost'.	false	named		true (ByPropertyName)	false
DRARestPort [<Int32>] The port where the DRA REST Service listens for requests. If the parameter is not specified, the value defaults to 8755.	false	named	8755	true (ByPropertyName)	false
IgnoreCertificateErrors [<SwitchParameter>] Allows the request to bypass any SSL certificate errors, such as the InvalidOperation error that occurs when the REST Service is bound to a self-signed certificate.	false	named		false	false
Force [<SwitchParameter>] Suppresses any request for user input and supplies a 'yes' response. For example: -Force with a delete request will perform the delete without presenting the confirmation request to the user.	false	named		false	false
Timeout [<Int32>] The number of seconds to wait before the request to the DRA REST server times out. To specify an infinite timeout, you can set this parameter to -1.	false	named	100 seconds	true (ByPropertyName)	false

Attribute / Description	Parameters / Values				
	Required	**Position**	**Default Value**	**Accept Pipeline input?**	**Accept wildcard characters?**
<CommonParameters> Verbose, Debug, ErrorAction, ErrorVariable, WarningAction, WarningVariable, OutBuffer, PipelineVariable, and OutVariable. For more information, see About CommonParameters (http://go.microsoft.com/fwlink/?LinkID=113216).					

NOTE: For more information, type "`Get-Help Get-DRABuiltinContainer -detailed`". For technical information, type "`Get-Help Get-DRABuiltinContainer -full`".

Example 9-1 *1*

```
PS C:\>Get-DRABuiltinContainer  -Domain MyDomain.corp -Identifier "Builtin"
```

This example requests the properties of the builtin container in MyDomain.corp. The identifier contains the name for the container. When the name is used, DRA resolves the name to the distinguished name and then requests the properties for the container.

Example 9-2 *2*

```
PS C:\>Get-DRABuiltinContainer  -Domain MyDomain.corp -Identifier
"CN=Builtin,DC=MyDomain,DC=corp"
```

This example requests the properties of the builtin container in MyDomain.corp. The identifier contains the distinguished name for the builtin container.

Example 9-3 *3*

```
PS C:\>Get-DRABuiltinContainer -Domain MyDomain.corp -Identifier "Builtin"
-Attributes "Description","DisplayName",
"DistinguishedName","FriendlyPath","FriendlyParentPath","FriendlyName","Ob
jectCategory"
```

This example requests the properties of the builtin container in MyDomain.corp. The Attributes parameter specifies what properties to return. When the Attributes parameter is not present, a default list of properties will be returned.

Get-DRAContainer

Synopsis

Gets information about an Active Directory Container.

Syntax

```
Get-DRAContainer -Domain <String> [-Attributes <String[]>] [-
PowersForOperations <String[]>][-VisiblePropertiesOnly <SwitchParameter>]
-Identifier <String> [-DRARestServer <String>] [-DRARestPort <Int32>] [-
IgnoreCertificateErrors <SwitchParameter> [-Force <SwitchParameter>] [-
Timeout <Int32>] [<CommonParameters>]
```

Description

The Get-DRAContainer cmdlet returns the properties of the requested container managed by DRA. The requesting user must have the View All OU Properties power. You can view the default list of properties or specify specific properties. The default properties of a container include: `Name`, `Description`, and `DistinguishedName`.

See the examples for information on how to view specific properties.

Parameters

Attribute / Description	Parameters / Values				
	Required	**Position**	**Default Value**	**Accept Pipeline input?**	**Accept wildcard characters?**
Attributes [<String[]>] An array of attributes to retrieve values for. If this parameter is missing, a default list of properties is returned.	false	named		true (ByPropertyName)	false
PowersForOperations [<String[]>] An array of DRA operation names for which you want the server to return read/write permission information.This parameter is typically used by a UI-based client to hide or disable elements the calling user doesn't have powers for. The `PowersForOperations` parameter is applicable only if you have specified the `Identifier` parameter.	false	named		true (ByPropertyName)	false

Attribute / Description	Parameters / Values				
	Required	**Position**	**Default Value**	**Accept Pipeline input?**	**Accept wildcard characters?**
VisiblePropertiesOnly [<SwitchParameter>] A flag to indicate whether DRA should return only properties the caller has powers to view. By default, DRA will return an error if the caller requests a property that they do not have powers to view. By specifying this flag, DRA is instructed to not return an error and instead just not return a value for such properties.	false	named		false	false
Identifier <String> The name or distinguished name of an existing Active Directory object. When the name is specified, an additional call to the DRA Server is needed to obtain the distinguished name for the object.	true	named		true (ByPropertyName)	false
Domain <String> The domain of the object in fqdn format. For example: `mydomain.corp`	true	named		true (ByPropertyName)	false
DRARestServer [<String>] The name of the computer running the DRA Rest Service. The requested DRA operation will execute on this server. If the parameter is not specified, the value defaults to 'localhost'.	false	named		true (ByPropertyName)	false
DRARestPort [<Int32>] The port where the DRA REST Service listens for requests. If the parameter is not specified, the value defaults to 8755.	false	named	8755	true (ByPropertyName)	false

Attribute / Description	Parameters / Values				
	Required	**Position**	**Default Value**	**Accept Pipeline input?**	**Accept wildcard characters?**
IgnoreCertificateErrors [<SwitchParameter>] Allows the request to bypass any SSL certificate errors, such as the InvalidOperation error that occurs when the REST Service is bound to a self-signed certificate.	false	named		false	false
Force [<SwitchParameter>] Suppresses any request for user input and supplies a 'yes' response. For example: -Force with a delete request will perform the delete without presenting the confirmation request to the user.	false	named		false	false
Timeout [<Int32>] The number of seconds to wait before the request to the DRA REST server times out. To specify an infinite timeout, you can set this parameter to -1. ***<CommonParameters>*** Verbose, Debug, ErrorAction, ErrorVariable, WarningAction, WarningVariable, OutBuffer, PipelineVariable, and OutVariable. For more information, see About CommonParameters (http://go.microsoft.com/fwlink/?LinkID=113216).	false	named	100 seconds	true (ByPropertyName)	false

NOTE: For more information, type "`Get-Help Get-DRAContainer -detailed`". For technical information, type "`Get-Help Get-DRAContainer -full`".

Example 9-4 *1*

```
PS C:\>Get-DRAContainer  -Domain MyDomain.corp -Identifier
"CN=Users,DC=MyDomain,DC=corp"
```

This example requests the properties of the Users container in MyDomain.corp. The identifier contains the distinguished name for the Container.

Example 9-5 *2*

```
PS C:\>Get-DRAContainer  -Domain MyDomain.corp -Identifier "Users"
```

This example requests the properties of the Users container in MyDomain.corp. The identifier contains the name for the container. When the name is used, DRA resolves the name to the distinguished name and then requests the properties for that container.

Example 9-6 *3*

```
PS C:\>Get-DRAContainer -Domain MyDomain.corp -Identifier "Users" -
Attributes
"Description","DisplayName",DistinguishedName","FriendlyPath","FriendlyPar
entPath","FriendlyName","ObjectCategory"
```

This example requests the properties of the Users container in MyDomain.corp. The Attributes parameter specifies what properties to return. When the Attributes parameter is not present, a default list of properties will be returned.

Set-DRABuiltinContainer

Synopsis

Updates the properties of an existing Builtin Container in Active Directory.

Syntax

```
Set-DRABuiltinContainer -Domain <String> -Properties <Hashtable> -
Identifier <String> [-DRARestServer <String>] [-DRARestPort <Int32>] [-
IgnoreCertificateErrors <SwitchParameter>] [-Force <SwitchParameter>] [-
Timeout <Int32>] [<CommonParameters>]
```

Description

The Set-DRABuiltinContainer cmdlet modifies the requested built-in container. The requesting user must have the Modify All OU Properties power.

Parameters

Attribute / Description	Parameters / Values				
	Required	**Position**	**Default Value**	**Accept Pipeline input?**	**Accept wildcard characters?**
Properties <Hashtable> A hashtable of property values. The key is the name of a defined attribute in the REST interface. For example: `-Properties @{Attribute1DRADisplayName="my value"; Attribute2DRADisplayName=value}` Multiple values are specified as a comma-separated list. For example: `-Properties @{Attribute1DRADisplayName=value1, value2}` If the property name contains non-alphanumeric characters it needs to be quoted. For example: `-Properties @{"Attribute1-DRA-DisplayName"=value}` If the property value contains a quote it needs to be escaped with a backtick (`).  For example: `-Properties @{Attribute1DRADisplayName="`"sample`" value"}`	true	named		true (ByPropertyName)	false
Identifier <String> The name or distinguished name of an existing Active Directory object. When the name is specified, an additional call to the DRA Server is needed to obtain the distinguished name for the object.	true	named		true (ByPropertyName)	false
Domain <String> The domain of the object in fqdn format. For example: `mydomain.corp`	true	named		true (ByPropertyName)	false

Attribute / Description	Parameters / Values				
	Required	**Position**	**Default Value**	**Accept Pipeline input?**	**Accept wildcard characters?**
DRARestServer [<String>] The name of the computer running the DRA Rest Service. The requested DRA operation will execute on this server. If the parameter is not specified, the value defaults to 'localhost'.	false	named		true (ByPropertyName	false
DRARestPort [<Int32>] The port where the DRA REST Service listens for requests. If the parameter is not specified, the value defaults to 8755.	false	named	8755	true (ByPropertyName	false
IgnoreCertificateErrors [<SwitchParameter>] Allows the request to bypass any SSL certificate errors, such as the InvalidOperation error that occurs when the REST Service is bound to a self-signed certificate.	false	named		false	false
Force [<SwitchParameter>] Suppresses any request for user input and supplies a 'yes' response. For example: -Force with a delete request will perform the delete without presenting the confirmation request to the user.	false	named		false	false
Timeout [<Int32>] The number of seconds to wait before the request to the DRA REST server times out. To specify an infinite timeout, you can set this parameter to -1.	false	named	100 seconds	true (ByPropertyName)	false

Attribute / Description	Parameters / Values				
	Required	Position	Default Value	Accept Pipeline input?	Accept wildcard characters?
<CommonParameters> Verbose, Debug, ErrorAction, ErrorVariable, WarningAction, WarningVariable, OutBuffer, PipelineVariable, and OutVariable. For more information, see About CommonParameters (http://go.microsoft.com/fwlink/?LinkID=113216).					

NOTE: For more information, type "`Get-Help Set-DRABuiltinContainer -detailed`". For technical information, type "`Get-Help Set-DRABuiltinContainer -full`".

Example 9-7 *1*

```
PS C:\>Set-DRABuiltinContainer  -Domain MyDomain.corp -Identifier
"CN=Builtin,DC=MyDomain,DC=corp" -Properties @{Description="Builtin system
container for MyDomain.corp"}
```

This example updates the description of the Built-in container in MyDomain.corp. The identifier contains the distinguished name for the container. To see the complete list of available properties, perform a Get-Member command on the object returned from the Get-DRABuiltinContainer command.

Set-DRAContainer

Synopsis

Updates the properties of an existing Container in Active Directory.

Syntax

```
Set-DRAContainer -Domain <String> -Properties <Hashtable> -Identifier
<String> [-DRARestServer <String>] [-DRARestPort <Int32>] [-
IgnoreCertificateErrors <SwitchParameter>] [-Force <SwitchParameter>] [-
Timeout <Int32>] [<CommonParameters>]
```

Description

The Set-DRAContainer cmdlet modifies the requested Container. The requesting user must have the Modify All OU Properties power.

Parameters

Attribute / Description	Parameters / Values				
	Required	**Position**	**Default Value**	**Accept Pipeline input?**	**Accept wildcard characters?**
Properties <Hashtable> A hashtable of property values. The key is the name of a defined attribute in the REST interface. For example: `-Properties @{Attribute1DRADisplayName="my value"; Attribute2DRADisplayName=value}` Multiple values are specified as a comma-separated list. For example: `-Properties @{Attribute1DRADisplayName=value1, value2}` If the property name contains non-alphanumeric characters it needs to be quoted. For example: `-Properties @{"Attribute1-DRA-DisplayName"=value}` If the property value contains a quote it needs to be escaped with a backtick (`).  For example: `-Properties @{Attribute1DRADisplayName="`"sample`" value"}`	true	named		true (ByPropertyName)	false
Identifier <String> The name or distinguished name of an existing Active Directory object. When the name is specified, an additional call to the DRA Server is needed to obtain the distinguished name for the object.	true	named		true (ByPropertyName)	false
Domain <String> The domain of the object in fqdn format. For example: `mydomain.corp`	true	named		true (ByPropertyName)	false

Attribute / Description	Parameters / Values				
	Required	**Position**	**Default Value**	**Accept Pipeline input?**	**Accept wildcard characters?**
DRARestServer [<String>] The name of the computer running the DRA Rest Service. The requested DRA operation will execute on this server. If the parameter is not specified, the value defaults to 'localhost'.	false	named		true (ByPropertyName	false
DRARestPort [<Int32>] The port where the DRA REST Service listens for requests. If the parameter is not specified, the value defaults to 8755.	false	named	8755	true (ByPropertyName	false
IgnoreCertificateErrors [<SwitchParameter>] Allows the request to bypass any SSL certificate errors, such as the InvalidOperation error that occurs when the REST Service is bound to a self-signed certificate.	false	named		false	false
Force [<SwitchParameter>] Suppresses any request for user input and supplies a 'yes' response. For example: -Force with a delete request will perform the delete without presenting the confirmation request to the user.	false	named		false	false
Timeout [<Int32>] The number of seconds to wait before the request to the DRA REST server times out. To specify an infinite timeout, you can set this parameter to -1.	false	named	100 seconds	true (ByPropertyName)	false

Attribute / Description	Parameters / Values				
	Required	Position	Default Value	Accept Pipeline input?	Accept wildcard characters?
<CommonParameters> Verbose, Debug, ErrorAction, ErrorVariable, WarningAction, WarningVariable, OutBuffer, PipelineVariable, and OutVariable. For more information, see About CommonParameters (http://go.microsoft.com/fwlink/?LinkID=113216).					

NOTE: For more information, type "`Get-Help Set-DRAContainer -detailed`". For technical information, type "`Get-Help Set-DRAContainer -full`".

Example 9-8 *1*

```
PS C:\>Set-DRAContainer  -Domain MyDomain.corp -Identifier
"CN=Users,DC=MyDomain,DC=corp" -Properties @{Description="User accounts
for MyDomain.corp"}
```

This example updates the description of the Users container in MyDomain.corp. The identifier contains the distinguished name for the container. To see the complete list of available properties, perform a Get-Member command on the object returned from the Get-DRAContainer command.

10 Delegation Commands

This section contains cmdlets you can execute for delegation.

- "Add-DRAAssignments" on page 184
- "Get-DRAActiveViewAssignments" on page 186
- "Get-DRAActiveViewRules" on page 189
- "Get-DRAAssignments" on page 192
- "Get-DRAAssistantAdminGroupMembers" on page 195
- "Get-DRADelegatedPowers" on page 199
- "New-DRAActiveView" on page 201
- "New-DRAActiveViewRule" on page 204
- "New-DRAAzureContactRule" on page 207
- "New-DRAAzureGroupRule" on page 211
- "New-DRAAzureTenantRule" on page 216
- "New-DRAAzureUserRule" on page 221
- "New-DRAComputerRule" on page 226
- "New-DRAContactRule" on page 231
- "New-DRADirectReportsRule" on page 235
- "New-DRADomainRule" on page 238
- "New-DRADynamicDistributionGroupRule" on page 242
- "New-DRAManagedGroupsRule" on page 246
- "New-DRAServiceAccountRule" on page 250
- "New-DRAGroupRule" on page 254
- "New-DRAOURule" on page 260
- "New-DRAResourceMailboxRule" on page 265
- "New-DRASelfAdministrationRule" on page 269
- "New-DRASharedMailboxRule" on page 272
- "New-DRAOnlineSharedMailboxRule" on page 276
- "New-DRAUserRule" on page 281
- "Remove-DRAAssignments" on page 285
- "Remove-DRAActiveView" on page 288
- "Remove-DRAActiveViewRule" on page 290

Add-DRAAssignments

Synopsis

Adds delegation assignments to assistant administrators.

Syntax

```
Add-DRAAssignments -Identifier <String> [-Groups <String[]>] [-Users
<String[]>] [-AssistantAdminGroups <String[]>] [-Roles <String[]>]
[-Powers <String[]>] [-DRARestServer <String>] [-DRARestPort <Int32>] [-
IgnoreCertificateErrors <SwitchParameter>] [-Force <SwitchParameter>] [-
Timeout <Int32>] [<CommonParameters>]
```

Description

The Add-DRAAssignments cmdlet assigns ActiveViews with associated roles and powers to delegated users, groups, and Assistant Admin groups.

Parameters

Attribute / Description	Parameters / Values				
	Required	**Position**	**Default Value**	**Accept Pipeline input?**	**Accept wildcard characters?**
Identifier <String> An array of existing Active Directory groups to assign specified by distinguished name.	true	named		true (ByPropertyName)	false
Groups [<String[]>] An array of existing Active Directory groups to assign specified by distinguished name.	false	named		true (ByPropertyName)	false
Users [<String[]>] An array of existing Active Directory users to assign specified by distinguished name.	false	named		true (ByPropertyName)	false
AssistantAdminGroups [<String[]>] An array of existing Assistant Admin groups to assign specified by name.	false	named		true (ByPropertyName)	false
Roles [<String[]>] An array of existing roles to delegate specified by name.	false	named		true (ByPropertyName)	false

Attribute / Description	Parameters / Values				
	Required	**Position**	**Default Value**	**Accept Pipeline input?**	**Accept wildcard characters?**
Powers [<String[]>] An array of existing powers to delegate specified by name.	false	named		true (ByPropertyName)	false
DRARestServer [<String>] The name of the computer running the DRA REST Service. The requested DRA operation will execute on this server. If the parameter is not specified, the value defaults to 'localhost'.	false	named		true (ByPropertyName)	false
DRARestPort [<Int32>] The port number of the DRA REST Service. This parameter is only used when the DRARestServer parameter is also specified. If the parameter is not specified, the value defaults to 8755.	false	named	8755	true (ByPropertyName)	false
IgnoreCertificateErrors [<SwitchParameter>] Allows the request to bypass any SSL certificate errors, such as the InvalidOperation error that occurs when the REST Service is bound to a self-signed certificate.	false	named		false	false
Force [<SwitchParameter>] Suppresses any request for user input and supplies a 'yes' response. For example: -Force with a delete request will perform the delete without presenting the confirmation request to the user.	false	named		false	false
Timeout [<Int32>] The number of seconds to wait before the request to the DRA REST server times out. To specify an infinite timeout, you can set this parameter to -1.	false	named	100 seconds	true (ByPropertyName)	false

Attribute / Description	Parameters / Values				
	Required	Position	Default Value	Accept Pipeline input?	Accept wildcard characters?
<CommonParameters> Verbose, Debug, ErrorAction, ErrorVariable, WarningAction, WarningVariable, OutBuffer, PipelineVariable, and OutVariable. For more information, see About CommonParameters (http://go.microsoft.com/fwlink/?LinkID=113216).					

NOTE: For more information, type "`Get-Help Add-DRAAssignments -detailed`". For technical information, type "`Get-Help Add-DRAAssignments -full`".

Example 10-1 *1*

```
PS C:\>Add-DRAAssignments -Identifier AV1 -Groups
"CN=MyGroup,OU=Accounting,DC=MYDOMAIN,DC=corp" -Users
"CN=MyUser,OU=Users,OU=ABC,OU=ABC-Parent,DC=MYDOMAIN,DC=corp" -Powers "Add
User to Group","Modify all Azure Group properties"
```

This example adds MyGroup and MyUser to the "AV1" ActiveView with the "Add User to Group" and "Modify all Entra ID Group Properties" powers.

Get-DRAActiveViewAssignments

Synopsis

Gets all of the assignments for an ActiveView.

Syntax

```
Get-DRAActiveViewAssignments -Identifier <String> [-Attributes <String[]>]
[-ObjectsPerResponse <Int32>] [-ResumeString <String>] [-DRARestServer
<String>] [-DRARestPort <Int32>] [-IgnoreCertificateErrors
<SwitchParameter>] [-Force <SwitchParameter>] [-Timeout <Int32>]
[<CommonParameters>]
```

Description

The Get-DRAActiveViewAssignments cmdlet gets all assignments for the specified ActiveView.

Parameters

Attribute / Description	Parameters / Values				
	Required	**Position**	**Default Value**	**Accept Pipeline input?**	**Accept wildcard characters?**
Identifier <String> The name or distinguished name of an existing Active Directory object. When the name is specified, an additional call to the DRA Server is needed to obtain the distinguished name for the object.	true	named		true (ByPropertyName)	false
Attributes [<String[]>] An array of attributes to retrieve values for. If this parameter is missing, a default list of properties is returned.	false	named		true (ByPropertyName)	false
ObjectsPerResponse [<Nullable`1>] The number of objects to return in a response. The default is 250.	false	named	250	false	false
ResumeString [<String>] When multiple responses are needed to return all of the search results to the client, this parameter indicates the last item returned from the server. The value of this parameter would be set using the ResumeString property from the previous set of results. The ResumeString may look like this: "CN=MYUser160,CN=Users,DC=MyDomain,DC=corp" or "CN=679F4DD0-5C6C-412F-B600-DCADD401DA0D,AZ=3e6d3c95-7249-4036-8af5-e6a4f517bd68"	false	named		false	false

Attribute / Description	Parameters / Values				
	Required	**Position**	**Default Value**	**Accept Pipeline input?**	**Accept wildcard characters?**
DRARestServer [<String>] The name of the computer running the DRA Rest Service. The requested DRA operation will execute on this server. If the parameter is not specified, the value defaults to 'localhost'.	false	named		true (ByPropertyName)	false
DRARestPort [<Int32>] The port where the DRA REST Service listens for requests. If the parameter is not specified, the value defaults to 8755.	false	named	8755	true (ByPropertyName)	false
IgnoreCertificateErrors [<SwitchParameter>] Allows the request to bypass any SSL certificate errors, such as the InvalidOperation error that occurs when the REST Service is bound to a self-signed certificate.	false	named		false	false
Force [<SwitchParameter>] Suppresses any request for user input and supplies a 'yes' response. For example: -Force with a delete request will perform the delete without presenting the confirmation request to the user.	false	named		false	false
Timeout [<Int32>] The number of seconds to wait before the request to the DRA REST server times out. To specify an infinite timeout, you can set this parameter to -1.	false	named	100 seconds	true (ByPropertyName)	false

Attribute / Description	Parameters / Values				
	Required	Position	Default Value	Accept Pipeline input?	Accept wildcard characters?
<CommonParameters> Verbose, Debug, ErrorAction, ErrorVariable, WarningAction, WarningVariable, OutBuffer, PipelineVariable, and OutVariable. For more information, see About CommonParameters (http://go.microsoft.com/fwlink/?LinkID=113216).					

NOTE: For more information, type "`Get-Help Get-DRAActiveViewAssignments -detailed`". For technical information, type "`Get-Help Get-DRAActiveViewAssignments -full`".

Example 10-2 *1*

```
PS C:\>Get-DRAActiveViewAssignments -Identifier "MyAV"
```

This example gets the assignments for the ActiveView named "MyAV".

Get-DRAActiveViewRules

Synopsis

Gets all of the rules for an ActiveView.

Syntax

```
Get-DRAActiveViewRules -Identifier <String> [-Attributes <String[]>] [-
ObjectsPerResponse <Int32>] [-ResumeString <String>] [-DRARestServer
<String>] [-DRARestPort <Int32>] [-IgnoreCertificateErrors
<SwitchParameter>] [-Force <SwitchParameter>] [-Timeout <Int32>]
[<CommonParameters>]
```

Description

The Get-DraActiveViewRules cmdlet gets all delegation rules from the specified ActiveView.

Parameters

Attribute / Description	Parameters / Values				
	Required	**Position**	**Default Value**	**Accept Pipeline input?**	**Accept wildcard characters?**
Identifier <String> The name or distinguished name of an existing Active Directory object. When the name is specified, an additional call to the DRA Server is needed to obtain the distinguished name for the object.	true	named		true (ByPropertyName)	false
Attributes [<String[]>] An array of attributes to retrieve values for. If this parameter is missing, a default list of properties is returned.	false	named		true (ByPropertyName)	false
ObjectsPerResponse [<Nullable`1>] The number of objects to return in a response. The default is 250.	false	named	250	false	false
ResumeString [<String>] When multiple responses are needed to return all of the search results to the client, this parameter indicates the last item returned from the server. The value of this parameter would be set using the ResumeString property from the previous set of results. The ResumeString may look like this: "CN=MYUser160,CN=Users,DC=MyDomain,DC=corp" or "CN=679F4DD0-5C6C-412F-B600-DCADD401DA0D,AZ=3e6d3c95-7249-4036-8af5-e6a4f517bd68"	false	named		false	false

Attribute / Description	Parameters / Values				
	Required	**Position**	**Default Value**	**Accept Pipeline input?**	**Accept wildcard characters?**
DRARestServer [<String>] The name of the computer running the DRA Rest Service. The requested DRA operation will execute on this server. If the parameter is not specified, the value defaults to 'localhost'.	false	named		true (ByPropertyName)	false
DRARestPort [<Int32>] The port where the DRA REST Service listens for requests. If the parameter is not specified, the value defaults to 8755.	false	named	8755	true (ByPropertyName)	false
IgnoreCertificateErrors [<SwitchParameter>] Allows the request to bypass any SSL certificate errors, such as the InvalidOperation error that occurs when the REST Service is bound to a self-signed certificate.	false	named		false	false
Force [<SwitchParameter>] Suppresses any request for user input and supplies a 'yes' response. For example: -Force with a delete request will perform the delete without presenting the confirmation request to the user.	false	named		false	false
Timeout [<Int32>] The number of seconds to wait before the request to the DRA REST server times out. To specify an infinite timeout, you can set this parameter to -1.	false	named	100 seconds	true (ByPropertyName)	false

Attribute / Description	Parameters / Values				
	Required	**Position**	**Default Value**	**Accept Pipeline input?**	**Accept wildcard characters?**
<CommonParameters> Verbose, Debug, ErrorAction, ErrorVariable, WarningAction, WarningVariable, OutBuffer, PipelineVariable, and OutVariable. For more information, see About CommonParameters (http://go.microsoft.com/fwlink/?LinkID=113216).					

NOTE: For more information, type "`Get-Help Get-DRAActiveViewRules -detailed`". For technical information, type "`Get-Help Get-DRAActiveViewRules -full`".

Example 10-3 *1*

```
PS C:\>Get-DRAActiveViewRules -Identifier "MyAV"
```

This example gets the delegations rules from the ActiveView named "MyAV".

Example 10-4 *2*

```
PS C:\>Get-DRAActiveViewRules -Identifier "MyAV" -Attributes
"NameValue","Path","Description" -DRARestServer localhost -Timeout -1 -
IgnoreCertificateErrors
```

This example gets the delegations rules from the ActiveView named "MyAV" with Attributes of NameValue, Path, and Description.

Get-DRAAssignments

Synopsis

Gets Security Assignments for an object (User or Group).

Syntax

```
Get-DRAAssignments -Domain <String> [-Attributes <String[]>] [-
PowersForOperations <String[]>] [-VisiblePropertiesOnly <SwitchParameter>]
-Identifier <String> [-DRARestServer <String>] [-DRARestPort <Int32>] [-
IgnoreCertificateErrors <SwitchParameter>] [-Force <SwitchParameter>] [-
Timeout <Int32>] [<CommonParameters>]
```

Description

The Get-DRAAssignments cmdlet gets security assignments, like Roles and Powers, for users or groups.

Parameters

Attribute / Description	Parameters / Values				
	Required	**Position**	**Default Value**	**Accept Pipeline input?**	**Accept wildcard characters?**
Domain <String> The domain of the object in FQDN format. For example: `mydomain.corp`	true	named		true (ByPropertyName)	false
Attributes [<String[]>] An array of attributes to retrieve values for. If this parameter is missing, a default list of properties is returned.	false	named		true (ByPropertyName)	false
PowersForOperations [<String[]>] An array of DRA operation names for which you want the server to return read/write permission information. This parameter is typically used by a UI-based client to hide or disable elements the calling user doesn't have powers for.	false	named		true (ByPropertyName)	false
VisiblePropertiesOnly [<SwitchParameter>] A flag to indicate whether DRA should return only properties the caller has powers to view. By default, DRA will return an error if the caller requests a property that they do not have powers to view. By specifying this flag DRA is instructed to not return an error and instead just not return a value for such properties.	false	named		false	false

Attribute / Description	Parameters / Values				
	Required	**Position**	**Default Value**	**Accept Pipeline input?**	**Accept wildcard characters?**
Identifier <String> The name or distinguished name of an existing Active Directory object. When the name is specified, an additional call to the DRA Server is needed to obtain the distinguished name for the object.	true	named		true (ByPropertyName)	false
DRARestServer [<String>] The name of the computer running the DRA Rest Service. The requested DRA operation will execute on this server. If the parameter is not specified, the value defaults to 'localhost'.	false	named		true (ByPropertyName)	false
DRARestPort [<Int32>] The port where the DRA REST Service listens for requests. If the parameter is not specified, the value defaults to 8755.	false	named	8755	true (ByPropertyName)	false
IgnoreCertificateErrors [<SwitchParameter>] Allows the request to bypass any SSL certificate errors, such as the InvalidOperation error that occurs when the REST Service is bound to a self-signed certificate.	false	named		false	false
Force [<SwitchParameter>] Suppresses any request for user input and supplies a 'yes' response. For example: -Force with a delete request will perform the delete without presenting the confirmation request to the user.	false	named		false	false
Timeout [<Int32>] The number of seconds to wait before the request to the DRA REST server times out. To specify an infinite timeout, you can set this parameter to -1.	false	named	100 seconds	true (ByPropertyName)	false

Attribute / Description	Parameters / Values				
	Required	Position	Default Value	Accept Pipeline input?	Accept wildcard characters?
<CommonParameters> Verbose, Debug, ErrorAction, ErrorVariable, WarningAction, WarningVariable, OutBuffer, PipelineVariable, and OutVariable. For more information, see About CommonParameters (http://go.microsoft.com/fwlink/?LinkID=113216).					

NOTE: For more information, type "`Get-Help Get-DRAAssignments -detailed`". For technical information, type "`Get-Help Get-DRAAssignments -full`".

Example 10-5 *1*

```
PS C:\>Get-DRAAssignments  -Domain MyDomain.corp -Identifier
"CN=Charlie,OU=Accounting,DC=MyDomain,DC=corp"
```

This example gets the security assignments list of the user named Charlie. The identifier contains the distinguished name for the user.

Example 10-6 *2*

```
PS C:\>Get-DRAAssignments  -Domain MyDomain.corp -Identifier
"CN=PasswordGroup,OU=SouthernAAs,DC=MyDomain,DC=corp" -DRARestServer
localhost -IgnoreCertificateErrors
```

This example gets the security assignments list of the group named PasswordGroup. The identifier contains the distinguished name for the group. It also specifies the rest server and ignores certificate errors.

Get-DRAAssistantAdminGroupMembers

Synopsis

Retrieves all members from an Assistant Admin group.

Syntax

```
Get-DRAAssistantAdminGroupMembers -Identifier <String> [-Attributes
<String[]>] [-ObjectsPerResponse <Int32>] [-ResumeString <String>] [-
DRARestServer <String>] [-DRARestPort <Int32>] [-IgnoreCertificateErrors
<SwitchParameter>] [-Force <SwitchParameter>] [-Timeout <Int32>]
[<CommonParameters>]
```

Description

The Get-DRAAssistantAdminGroupMembers cmdlet retrieves all members from an Assistant Admin group.

Parameters

Attribute / Description	Parameters / Values				
	Required	**Position**	**Default Value**	**Accept Pipeline input?**	**Accept wildcard characters?**
Identifier <String> The name of an existing Assistant Admin group to remove members from.	true	named		true (ByPropertyName)	false
Attributes [<String[]>] An array of attributes to retrieve specific values. If this parameter is missing, a default list of properties is returned.	false	named		true (ByPropertyName)	false
ObjectsPerResponse [<Nullable`1>] The number of objects to return in a response. The default is 250.	false	named	250	false	false
ResumeString [<String>] When multiple responses are needed to return all of the search results to the client, this parameter indicates the last item returned from the server. The value of this parameter would be set using the ResumeString property from the previous set of results. The ResumeString may look like this: "CN=MYUser160,CN=Users,DC=MyDomain,DC=corp" or "CN=679F4DD0-5C6C-412F-B600-DCADD401DA0D,AZ=3e6d3c95-7249-4036-8af5-e6a4f517bd68"	false	named		false	false

Attribute / Description	Parameters / Values				
	Required	**Position**	**Default Value**	**Accept Pipeline input?**	**Accept wildcard characters?**
DRARestServer [<String>] The name of the computer running the DRA Rest Service. The requested DRA operation will execute on this server. If the parameter is not specified, the value defaults to 'localhost'.	false	named		true (ByPropertyName)	false
DRARestPort [<Int32>] The port where the DRA REST Service listens for requests. If the parameter is not specified, the value defaults to 8755.	false	named	8755	true (ByPropertyName)	false
IgnoreCertificateErrors [<SwitchParameter>] Allows the request to bypass any SSL certificate errors, such as the InvalidOperation error that occurs when the REST Service is bound to a self-signed certificate.	false	named		false	false
Force [<SwitchParameter>] Suppresses any request for user input and supplies a 'yes' response. For example: -Force with a delete request will perform the delete without presenting the confirmation request to the user.	false	named		false	false
Timeout [<Int32>] The number of seconds to wait before the request to the DRA REST server times out. To specify an infinite timeout, you can set this parameter to -1.	false	named	100 seconds	true (ByPropertyName)	false

Attribute / Description	Parameters / Values				
	Required	Position	Default Value	Accept Pipeline input?	Accept wildcard characters?
<CommonParameters> Verbose, Debug, ErrorAction, ErrorVariable, WarningAction, WarningVariable, OutBuffer, PipelineVariable, and OutVariable. For more information, see About CommonParameters (http://go.microsoft.com/fwlink/?LinkID=113216).					

NOTE: For more information, type "`Get-Help Get-DRAAssistantAdminGroupMembers -detailed`". For technical information, type "`Get-Help Get-DRAAssistantAdminGroupMembers -full`".

Example 10-7 *1*

```
PS C:\>Get-DRAAssistantAdminGroupMembers -Identifier "myAAGroup"
```

This example retrieves all members belonging to the "myAAGroup" Assistant Admin group.

Example 10-8 *2*

```
PS C:\>Get-DRAAssistantAdminGroupMembers -Identifier "myAAGroup" -
Attributes "Name","FriendlyName","FriendlyPath","Path","Description" -
DRARestServer localhost -Timeout -1 -IgnoreCertificateErrors
```

This example retrieves all members belonging to the "myAAGroup" Assistant Admin group. The Attributes parameter specifies the properties to return. It specifies the rest server and ignores certificate errors.

Get-DRADelegatedPowers

Synopsis

Gets the delegated powers of a user.

Syntax

```
Get-DRADelegatedPowers -Domain <String> [-Attributes <String[]>] [-
PowersForOperations <String[]>] [-VisiblePropertiesOnly <SwitchParameter>]
-Identifier <String> [-DRARestServer <String>] [-DRARestPort <Int32>] [-
IgnoreCertificateErrors <SwitchParameter>] [-Force <SwitchParameter>] [-
Timeout <Int32>] [<CommonParameters>]
```

Description

The Get-DRADelegatedPowers cmdlet gets the delegated powers of a user.

Parameters

Attribute / Description	Parameters / Values				
	Required	**Position**	**Default Value**	**Accept Pipeline input?**	**Accept wildcard characters?**
Domain <String> The domain of the object in fqdn format. For example: `mydomain.corp`	true	named		true (ByPropertyName)	false
Attributes [<String[]>] An array of attributes to retrieve values for. If this parameter is missing, a default list of properties is returned.	false	named		true (ByPropertyName)	false
PowersForOperations [<String[]>] An array of DRA operation names for which you want the server to return read/write permission information. This parameter is typically used by a UI-based client to hide or disable elements the calling user doesn't have powers for.	false	named		true (ByPropertyName)	false
VisiblePropertiesOnly [<SwitchParameter>] A flag to indicate whether DRA should return only properties the caller has powers to view. By default DRA will return an error if the caller requests a property that they do not have powers to view. By specifying this flag, DRA is instructed to not return an error and instead just not return a value for such properties.	false	named		false	false

Attribute / Description	Parameters / Values				
	Required	**Position**	**Default Value**	**Accept Pipeline input?**	**Accept wildcard characters?**
I***dentifier <String>*** The name or distinguished name of an existing Active Directory object. When the name is specified, an additional call to the DRA Server is needed to obtain the distinguished name for the object.	true	named		true (ByPropertyName)	false
DRARestServer [<String>] The name of the computer running the DRA Rest Service. The requested DRA operation will execute on this server. If the parameter is not specified, the value defaults to 'localhost'.	false	named		true (ByPropertyName)	false
DRARestPort [<Int32>] The port where the DRA REST Service listens for requests. If the parameter is not specified, the value defaults to 8755.	false	named	8755	true (ByPropertyName)	false
IgnoreCertificateErrors [<SwitchParameter>] Allows the request to bypass any SSL certificate errors, such as the InvalidOperation error that occurs when the REST Service is bound to a self-signed certificate.	false	named		false	false
Force [<SwitchParameter>] Suppresses any request for user input and supplies a 'yes' response. For example: -Force with a delete request will perform the delete without presenting the confirmation request to the user.	false	named		false	false
Timeout [<Int32>] The number of seconds to wait before the request to the DRA REST server times out. To specify an infinite timeout, you can set this parameter to -1.	false	named	100 seconds	true (ByPropertyName)	false

Attribute / Description	Parameters / Values				
	Required	Position	Default Value	Accept Pipeline input?	Accept wildcard characters?
<CommonParameters> Verbose, Debug, ErrorAction, ErrorVariable, WarningAction, WarningVariable, OutBuffer, PipelineVariable, and OutVariable. For more information, see About CommonParameters (http://go.microsoft.com/fwlink/?LinkID=113216).					

NOTE: For more information, type "`Get-Help Get-DRADelegatedPowers -detailed`". For technical information, type "`Get-Help Get-DRADelegatedPowers -full`".

Example 10-9 *1*

```
PS C:\>Get-DRADelegatedPowers -Domain MyDomain.corp -Identifier
"CN=Charlie,OU=Accounting,DC=MyDomain,DC=corp"
```

This example gets the delegated powers list of the user named Charlie. The identifier contains the distinguished name for the user.

New-DRAActiveView

Synopsis

Creates an ActiveView specified by the Name parameter.

Syntax

```
New-DRAActiveView -Name <String> [-Description <String>] [-Comment
<String>] [-Disabled <Boolean>] [-DRARestServer <String>] [-DRARestPort
<Int32>] [-IgnoreCertificateErrors <SwitchParameter>] [-
Force<SwitchParameter>] [-Timeout <Int32>] [<CommonParameters>]
```

Description

The New-DRAActiveView cmdlet creates the requested ActiveView.

Parameters

Attribute / Description	Parameters / Values				
	Required	**Position**	**Default Value**	**Accept Pipeline input?**	**Accept wildcard characters?**
Name <String> The Name parameter specifies the name for the new ActiveView.	true	named		true (ByPropertyName)	false
Description <String> The Description parameter describes the new ActiveView.	false	named		true (ByPropertyName)	false
Comment [<String>] The Comment parameter specifies additional information about the new ActiveView.	false	named		true (ByPropertyName)	false
Disabled [<SwitchParameter>] The Disabled parameter indicates whether the ActiveView is enabled or disabled. When you create a new ActiveView, DRA enables the ActiveView by default.	false	named		true (ByPropertyName)	false
DRARestServer [<String>] The name of the computer running the DRA REST Service. The requested DRA operation will execute on this server. If the parameter is not specified, the value defaults to 'localhost'.	false	named		true (ByPropertyName)	false
DRARestPort [<Int32>] The port number of the DRA REST Service. This parameter is only used when the DRARestServer parameter is also specified. If the parameter is not specified, the value defaults to 8755.	false	named	8755	true (ByPropertyName)	false

Attribute / Description	Parameters / Values				
	Required	**Position**	**Default Value**	**Accept Pipeline input?**	**Accept wildcard characters?**
IgnoreCertificateErrors [<SwitchParameter>] Allows the request to bypass any SSL certificate errors, such as the InvalidOperation error that occurs when the REST Service is bound to a self-signed certificate.	false	named		false	false
Force [<SwitchParameter>] Suppresses any request for user input and supplies a 'yes' response. For example: -Force with a delete request will perform the delete without presenting the confirmation request to the user.	false	named		false	false
Timeout [<Int32>] The number of seconds to wait before the request to the DRA REST server times out. To specify an infinite timeout, you can set this parameter to -1. ***<CommonParameters>*** Verbose, Debug, ErrorAction, ErrorVariable, WarningAction, WarningVariable, OutBuffer, PipelineVariable, and OutVariable. For more information, see About CommonParameters (http://go.microsoft.com/fwlink/?LinkID=113216).	false	named	100 seconds	true (ByPropertyName)	false

NOTE: For more information, type "`Get-Help New-DRAActiveView -detailed`". For technical information, type "`Get-Help New-DRAActiveView -full`".

Example 10-10 *1*

```
New-DRAActiveView -Name "AV Name" -Comment "New User AV" -Description
"Include all users"
```

This example creates the ActiveView named “AV Name” with comment “New User AV” and description “Include all users”.

New-DRAActiveViewRule

Synopsis

Creates an ActiveView rule in the specified ActiveView.

Syntax

```
New-DRAActiveViewRule -ActiveView <String> -Name <String> [-Exclude
<SwitchParameter>] [-MatchString <String>] [-RestrictUsageOnlyAllow
<SwitchParameter>] [-RestrictUsageDoNotAllow <SwitchParameter>] [-Comment
<String>] [-DRARestServer <String>] [-DRARestPort <Int32>] [-
IgnoreCertificateErrors <SwitchParameter>] [-Force <SwitchParameter>] [-
Timeout <Int32>] [<CommonParameters>]
```

Description

The New-DRAActiveViewRule cmdlet creates the requested ActiveView rule in the specified ActiveView.

Parameters

Attribute / Description	Parameters / Values				
	Required	**Position**	**Default Value**	**Accept Pipeline input?**	**Accept wildcard characters?**
ActiveView <String> Name of the ActiveView to add the rule to.	true	named		true (ByPropertyName)	false
Name <String> Name of the ActiveView rule to be created.	true	named		true (ByPropertyName)	false
Exclude [<SwitchParameter>] Specifies whether the ActiveView rule includes or excludes objects. By default, objects are included in the ActiveView rule.	false	named		true (ByPropertyName)	false
MatchString <String> The ActiveView to include when searching for objects. You can specify the exact ActiveView name or a wildcard value.	false	named		true (ByPropertyName)	false

Attribute / Description	Parameters / Values				
	Required	**Position**	**Default Value**	**Accept Pipeline input?**	**Accept wildcard characters?**
RestrictUsageOnlyAllow [<SwitchParameter>] Enables the objects included in the ActiveView rule to be cloned, moved, or added to other groups. If the value for the `RestrictUsageOnlyAllow` parameter is true, the cmdlet ignores the value that is specified for the `RestrictUsageDoNotAllow` parameter. The default value is false.	false	named		true (ByPropertyName)	false
RestrictUsageDoNotAllow [<SwitchParameter>] Restricts the objects included in the ActiveView rule from being cloned, moved, or added to groups. The default value is false.	false	named		true (ByPropertyName)	false
Comment [<String>] Specifies additional information about the ActiveView rule.	false	named		true (ByPropertyName)	false
DRARestServer [<String>] The name of the computer running the DRA REST Service. The requested DRA operation will execute on this server. If the parameter is not specified, the value defaults to 'localhost'.	false	named		true (ByPropertyName)	false
DRARestPort [<Int32>] The port number of the DRA REST Service. This parameter is only used when the DRARestServer parameter is also specified. If the parameter is not specified, the value defaults to 8755.	false	named	8755	true (ByPropertyName)	false

Attribute / Description	Parameters / Values				
	Required	**Position**	**Default Value**	**Accept Pipeline input?**	**Accept wildcard characters?**
IgnoreCertificateErrors [<SwitchParameter>] Allows the request to bypass any SSL certificate errors, such as the InvalidOperation error that occurs when the REST Service is bound to a self-signed certificate.	false	named		false	false
Force [<SwitchParameter>] Suppresses any request for user input and supplies a 'yes' response. For example: -Force with a delete request will perform the delete without presenting the confirmation request to the user.	false	named		false	false
Timeout [<Int32>] The number of seconds to wait before the request to the DRA REST server times out. To specify an infinite timeout, you can set this parameter to -1. ***<CommonParameters>*** Verbose, Debug, ErrorAction, ErrorVariable, WarningAction, WarningVariable, OutBuffer, PipelineVariable, and OutVariable. For more information, see About CommonParameters (http://go.microsoft.com/fwlink/?LinkID=113216).	false	named	100 seconds	true (ByPropertyName)	false

NOTE: For more information, type "`Get-Help New-DRAActiveViewRule -detailed`". For technical information, type "`Get-Help New-DRAActiveViewRule -full`".

Example 10-11 *1*

```
PS C:\>New-DRAActiveViewRule -Name "DRA ActiveView Rule" -ActiveView "My
AV" -MatchString "My Users AV"
```

This example creates the ActiveView rule name "DRA ActiveView Rule" under an existing ActiveView "My AV" with the objects managed by "My Users AV".

New-DRAAzureContactRule

Synopsis

Creates a rule for Entra ID contacts in the specified ActiveView.

Syntax

```
New-DRAAzureContactRule -ActiveView <String> -Name <String> [-Exclude
<SwitchParameter>] [-RestrictUsageOnlyAllow <SwitchParameter>] [-
RestrictUsageDoNotAllow <SwitchParameter>] [-Comment <String>] [-
Object<String>] [-ObjectMatchProperty <String>] [-
AzureGroupsMatch<String>] [-Tenant <String>] [-
TenantMatchProperty<String>] [-DRARestServer <String>] [-
DRARestPort<Int32>] [-IgnoreCertificateErrors <SwitchParameter>] [-Force
<SwitchParameter>] [-Timeout <Int32>] [<CommonParameters>]
```

Description

The New-DRAAzureContactRule cmdlet creates the requested rule for Entra ID contacts in the specified ActiveView. You must have the appropriate powers, such as those included in the Manage Security Model role to run this cmdlet.

Parameters

Attribute / Description	Parameters / Values				
	Required	**Position**	**Default Value**	**Accept Pipeline input?**	**Accept wildcard characters?**
ActiveView <String> Name of the ActiveView to add the rule to.	true	named		true (ByPropertyName)	false
Name <String> Name of the ActiveView rule to be created.	true	named		true (ByPropertyName)	false
Exclude [<SwitchParameter>] Specifies whether the ActiveView rule includes or excludes objects. By default, objects are included in the ActiveView rule.	false	named		true (ByPropertyName)	false

Attribute / Description	Parameters / Values				
	Required	**Position**	**Default Value**	**Accept Pipeline input?**	**Accept wildcard characters?**
RestrictUsageOnlyAllow [<SwitchParameter>] Enables the objects included in the ActiveView rule to be cloned, moved, or added to other groups. If the value for the `RestrictUsageOnlyAllow` parameter is true, the cmdlet ignores the value that is specified for the `RestrictUsageDoNotAllow` parameter. The default value is false.	false	named		true (ByPropertyName)	false
RestrictUsageDoNotOnlyAllow [<SwitchParameter>] Restricts the objects included in the ActiveView rule from being cloned, moved, or added to groups. The default value is false.	false	named		true (ByPropertyName)	false
Comment [<String>] Specifies additional information about the ActiveView rule.	false	named		true (ByPropertyName)	false
Object [<String>] The objects to be included in the ActiveView rule. By default, all objects are included in the ActiveView rule.	false	named		true (ByPropertyName)	false
ObjectMatchProperty [<String>] The object property to use when searching for objects. The value can be `McsNameValue`, `McsPath` or `Department`.	false	named		true (ByPropertyName)	false
AzureGroupsMatch [<String>] The Entra ID group to include when searching for objects. You can specify the exact Entra ID group name or a wildcard value.	false	named		true (ByPropertyName)	false

Attribute / Description	Parameters / Values				
	Required	**Position**	**Default Value**	**Accept Pipeline input?**	**Accept wildcard characters?**
Tenant [<String>] The name of the tenant to use when searching for objects. You can specify the exact tenant name or a wildcard value.	false	named		true (ByPropertyName)	false
TenantMatchProperty [<String>] The tenant property to use when searching for objects. The value can be `McsFriendlyName` or `McsPath`.	false	named		true (ByPropertyName)	false
DRARestServer [<String>] The name of the computer running the DRA REST Service. The requested DRA operation will execute on this server. If the parameter is not specified, the value defaults to 'localhost'.	false	named		true (ByPropertyName)	false
DRARestPort [<Int32>] The port number of the DRA REST Service. This parameter is only used when the DRARestServer parameter is also specified. If the parameter is not specified, the value defaults to 8755.	false	named	8755	true (ByPropertyName)	false
IgnoreCertificateErrors [<SwitchParameter>] Allows the request to bypass any SSL certificate errors, such as the InvalidOperation error that occurs when the REST Service is bound to a self-signed certificate.	false	named		false	false
Force [<SwitchParameter>] Suppresses any request for user input and supplies a 'yes' response. For example: -Force with a delete request will perform the delete without presenting the confirmation request to the user.	false	named		false	false

Attribute / Description	Parameters / Values				
	Required	**Position**	**Default Value**	**Accept Pipeline input?**	**Accept wildcard characters?**
Timeout [<Int32>] The number of seconds to wait before the request to the DRA REST server times out. To specify an infinite timeout, you can set this parameter to -1. ***<CommonParameters>*** Verbose, Debug, ErrorAction, ErrorVariable, WarningAction, WarningVariable, OutBuffer, PipelineVariable, and OutVariable. For more information, see About CommonParameters (http://go.microsoft.com/fwlink/?LinkID=113216).	false	named	100 seconds	true (ByPropertyName)	false

NOTE: For more information, type "`Get-Help New-DRAAzureContactRule -detailed`". For technical information, type "`Get-Help New-DRAAzureContactRule -full`".

Example 10-12 *1*

```
PS C:\>New-DRAAzureContactRule -Name "DRA Azure Contact Rule" -ActiveView
"My AV"  -Object "test*" -Tenant "*"
```

This example creates an Entra ID contact rule named "DRA Azure Contact Rule" under an existing ActiveView "My AV" with a list of Entra ID contacts starting with "test" from all managed Entra ID tenants.

Example 10-13 *2*

```
New-DRAAzureContactRule -ActiveView MyAV -Name 1EA3 -Object EA3 -
ObjectMatchProperty Extensionattribute3
```

This example creates an Entra ID contact rule named "1EA3" under an existing ActiveView "MyAV" with a list of Entra ID contacts where the "ExtensionAttribute3" property matches "EA3".

New-DRAAzureGroupRule

Synopsis

Creates a rule for Entra ID groups in the specified ActiveView.

Syntax

```
New-DRAAzureGroupRule -ActiveView <String> -Name <String> [-Exclude
<SwitchParameter>] [-RestrictUsageOnlyAllow <SwitchParameter>] [-
RestrictUsageDoNotAllow <SwitchParameter>] [-Comment <String>] [-
Object<String>] [-ObjectMatchProperty <String>] [AzureAUsMatch <String>]
[-NestedMembership <SwitchParameter>] [-MembersOnly <SwitchParameter>] [-
GroupsMatch <String>] [-MemberTypes <String[]>] [-GroupTypes <String>] [-
Tenant<String>] [-TenantMatchProperty <String>] [-UserTypes <String>] [-
DRARestServer <String>] [-DRARestPort <Int32>] [-IgnoreCertificateErrors
<SwitchParameter>] [-Force <SwitchParameter>] [-Timeout <Int32>]
[<CommonParameters>]
```

Description

The New-DRAAzureGroupRule cmdlet creates the requested rule for Entra ID groups in the specified ActiveView. You must have the appropriate powers, such as those included in the Manage Security Model role to run this cmdlet.

Parameters

Attribute / Description	Parameters / Values				
	Required	**Position**	**Default Value**	**Accept Pipeline input?**	**Accept wildcard characters?**
ActiveView <String> Name of the ActiveView to add the rule to.	true	named		true (ByPropertyName)	false
Name <String> Name of the ActiveView rule to be created.	true	named		true (ByPropertyName)	false
Exclude [<SwitchParameter>] Specifies whether the ActiveView rule includes or excludes objects. By default, objects are included in the ActiveView rule.	false	named		true (ByPropertyName)	false

Attribute / Description	Parameters / Values				
	Required	**Position**	**Default Value**	**Accept Pipeline input?**	**Accept wildcard characters?**
RestrictUsageOnlyAllow [<SwitchParameter>] Enables the objects included in the ActiveView rule to be cloned, moved, or added to other groups. If the value for the `RestrictUsageOnlyAllow` parameter is true, the cmdlet ignores the value that is specified for the `RestrictUsageDoNotAllow` parameter. The default value is false.	false	named		true (ByPropertyName)	false
RestrictUsageDoNotOnlyAllow [<SwitchParameter>] Restricts the objects included in the ActiveView rule from being cloned, moved, or added to groups. The default value is false.	false	named		true (ByPropertyName)	false
Comment [<String>] Specifies additional information about the ActiveView rule.	false	named		true (ByPropertyName)	false
Object [<String>] The objects to be included in the ActiveView rule. By default, all objects are included in the ActiveView rule.	false	named		true (ByPropertyName)	false
ObjectMatchProperty [<String>] The object property to use when searching for objects. The value can be `McsNameValue` or `McsPath`.	false	named		true (ByPropertyName)	false
AzureAUsMatch<Strting> The AU name to use when searching for objects You can specify the exact dn of the AU name or a wildcard value. For more information, see About CommonParameters (http://go.microsoft.com/fwlink/?LinkID=113216).	false	named		true (ByPropertyName)	false

Attribute / Description	Parameters / Values				
	Required	**Position**	**Default Value**	**Accept Pipeline input?**	**Accept wildcard characters?**
NestedMembership [<SwitchParameter>] Specifies whether to include nested groups when searching for objects. By default, nested groups are included.	false	named		true (ByPropertyName)	false
MembersOnly [<SwitchParameter>] Specifies whether to include only member objects from the matching groups or include both member objects and groups. By default, both groups and member objects are included.	false	named		true (ByPropertyName)	false
AzureGroupsMatch [<String>] The Entra ID group to include when searching for objects. You can specify the exact Entra ID group name or a wildcard value. ***MemberTypes [<String []>]*** The type of member object that is managed by the rule. This parameter can have the following values: ◆ U or User ◆ G or Group ◆ AU or Entra IDUser ◆ AG or Entra IDGroup ◆ All You can specify more than one value separated by a comma. If you specify NONE, the rule includes only groups. By default, the rule includes all member objects.	false	named		true (ByPropertyName)	false

Attribute / Description	Parameters / Values				
	Required	**Position**	**Default Value**	**Accept Pipeline input?**	**Accept wildcard characters?**
GroupTypes [<String>] The type of group that is managed by the rule. This parameter can have the following values: ◆ S or Security ◆ DL or DistributionList ◆ O365 or Office365 ◆ MES or MailEnabledSecurity ◆ All	false	named		true (ByPropertyName)	false
Tenant [<String>] The name of the tenant. You can specify the exact name or a wildcard value.	false	named		true (ByPropertyName)	false
TenantMatchProperty [<String>] The tenant property to use when searching for objects. The value can be `McsFriendlyName`.	false	named		true (ByPropertyName)	false
UserTypes [<String>] The type of Entra ID user that is managed by the rule. This parameter can have the following values: 1. M or Member 2. G or Guest 3. All The default value is All. Specify 'All' to manage both member and guest users.	false	named		true (ByPropertyName)	false
DRARestServer [<String>] The name of the computer running the DRA REST Service. The requested DRA operation will execute on this server. If the parameter is not specified, the value defaults to 'localhost'.	false	named		true (ByPropertyName)	false

Attribute / Description	Parameters / Values				
	Required	**Position**	**Default Value**	**Accept Pipeline input?**	**Accept wildcard characters?**
DRARestPort [<Int32>] The port number of the DRA REST Service. This parameter is only used when the DRARestServer parameter is also specified. If the parameter is not specified, the value defaults to 8755.	false	named	8755	true (ByPropertyName)	false
IgnoreCertificateErrors [<SwitchParameter>] Allows the request to bypass any SSL certificate errors, such as the InvalidOperation error that occurs when the REST Service is bound to a self-signed certificate.	false	named		false	false
Force [<SwitchParameter>] Suppresses any request for user input and supplies a 'yes' response. For example: -Force with a delete request will perform the delete without presenting the confirmation request to the user.	false	named		false	false
Timeout [<Int32>] The number of seconds to wait before the request to the DRA REST server times out. To specify an infinite timeout, you can set this parameter to -1.	false	named	100 seconds	true (ByPropertyName)	false
<CommonParameters> Verbose, Debug, ErrorAction, ErrorVariable, WarningAction, WarningVariable, OutBuffer, PipelineVariable, and OutVariable. For more information, see About CommonParameters (http://go.microsoft.com/fwlink/?LinkID=113216).					

NOTE: For more information, type "`Get-Help New-DRAAzureGroupRule -detailed`". For technical information, type "`Get-Help New-DRAAzureGroupRule -full`".

Example 10-14 *1*

```
PS C:\>New-DRAAzureGroupRule -Name "DRA Azure Group  Rule" -ActiveView "My
AV"  -Object "*" -Tenant "NetIQ" -TenantMatchProperty "mcspath"
```

This example creates an Entra ID group rule named "DRA Azure Group Rule" under an existing ActiveView "My AV" with a list of Entra ID groups from the Entra ID tenant “NetIQ”.

Example 10-15 *2*

```
PS C:\>New-DRAAzureGroupRule -Name "DRA Azure Group  Rule" -ActiveView "My
AV"  -Object "cn=e760e56b-3829-d745-aa93-c3c0d8d12fb5/az=fd74da8a-3212-
4626-8f12-aca06dc133f6" -ObjectMatchProperty "mcspath"
```

This example creates an Entra ID group rule named "DRA Azure Group Rule" under an existing ActiveView "My AV" with the Entra ID group that is specified in the identifier “cn=e760e56b-3829-d745-aa93-c3c0d8d12fb5/az=fd74da8a-3212-4626-8f12-aca06dc133f6”.

Example 10-16 *3*

```
PS C:\>New-DRAAzureGroupRule -Name "DRA Azure Group  Rule" -ActiveView "My
AV"  -Object "*" -Tenant "NetIQ" -TenantMatchProperty "mcspath" -
AzureAUsMatch "CN=C79D608E-FE3C-43A7-8696-33F3011CA52,az=0fa60a63-c83d-
41b7-b600-202185e8db05"
```

This example creates an Entra ID group rule named "DRA AzureGroup Rule" under an existing ActiveView "My AV" with a list of all Entra ID groups from the Entra ID tenant "NetIQ" and AU "CN=C79D608E-FE3C-43A7-8696-33F3011CA52C,az=0fa60a63-c83d-41b7-b600-202185e8db05".

Example 10-17 *4*

```
New-DRAAzureGroupRule -ActiveView MyAV -Name 1EA3 -Object EA3 -
ObjectMatchProperty Extensionattribute3
```

This example creates an Entra ID group rule named "1EA3" under an existing ActiveView "MyAV" with a list of Entra ID groups where the "ExtensionAttribute3" property matches "EA3".

New-DRAAzureTenantRule

Synopsis

Creates a rule for Entra ID tenants in the specified ActiveView.

Syntax

```
New-DRAAzureTenantRule -ActiveView <String> -Name <String> [-Exclude
<SwitchParameter>] [-RestrictUsageOnlyAllow <SwitchParameter>] [-
RestrictUsageDoNotAllow <SwitchParameter>] [-Comment <String>]
[-ObjectTypes <String[]>] [-ObjectsOnly <String>] [AzureAUsMatch <String>]
[-Tenant <String>] [-TenantMatchProperty <String>] [-UserTypes <String>] [-
DRARestServer <String>] [-DRARestPort <Int32>] [-IgnoreCertificateErrors
<SwitchParameter>] [-Force <SwitchParameter>] [-Timeout <Int32>]
[<CommonParameters>]
```

Description

The New-DRAAzureTenantRule cmdlet creates the requested rule for Entra ID tenants in the specified ActiveView. You must have the appropriate powers, such as those included in the Manage Security Model role to run this cmdlet.

Parameters

Attribute / Description	Parameters / Values				
	Required	**Position**	**Default Value**	**Accept Pipeline input?**	**Accept wildcard characters?**
ActiveView <String> Name of the ActiveView to add the rule to.	true	named		true (ByPropertyName)	false
Name <String> Name of the ActiveView rule to be created.	true	named		true (ByPropertyName)	false
Exclude [<SwitchParameter>] Specifies whether the ActiveView rule includes or excludes objects. By default, objects are included in the ActiveView rule.	false	named		true (ByPropertyName)	false
RestrictUsageOnlyAllow [<SwitchParameter>] Enables the objects included in the ActiveView rule to be cloned, moved, or added to other groups. If the value for the `RestrictUsageOnlyAllow` parameter is true, the cmdlet ignores the value that is specified for the `RestrictUsageDoNotAllow` parameter. The default value is false.	false	named		true (ByPropertyName)	false
RestrictUsageDoNotOnlyAllow [<SwitchParameter>] Restricts the objects included in the ActiveView rule from being cloned, moved, or added to groups. The default value is false.	false	named		true (ByPropertyName)	false
Comment [<String>] Specifies additional information about the ActiveView rule.	false	named		true (ByPropertyName)	false

Attribute / Description	Parameters / Values				
	Required	**Position**	**Default Value**	**Accept Pipeline input?**	**Accept wildcard characters?**
ObjectTypes [<String[]>] The type of object that is managed by the rule. This parameter can have the following values: ◆ AU or Entra IDUser ◆ AG or Entra IDGroup ◆ All ◆ None You can specify more than one value separated by a comma. If you specify NONE, only tenants are included. By default, the rule includes all types of objects.	false	named		true (ByPropertyName)	false
ObjectsOnly [<String>] Specifies whether to include only the matching objects or include both matching objects and tenants. By default, the rule includes both objects and tenants.	false	named		true (ByPropertyName)	false
AzureAUsMatch<Strting> The AU name to use when searching for objects You can specify the exact dn of the AU name or a wildcard value. For more information, see About CommonParameters (http://go.microsoft.com/fwlink/?LinkID=113216).	false	named		true (ByPropertyName)	false
Tenant [<String>] The name of the tenant to use when searching for objects. You can specify the exact tenant name or a wildcard value.	false	named		true (ByPropertyName)	false
TenantMatchProperty [<String>] The tenant property to use when searching for objects. The value can be `McsFriendlyName` or `McsPath`.	false	named		true (ByPropertyName)	false

Attribute / Description	Parameters / Values				
	Required	**Position**	**Default Value**	**Accept Pipeline input?**	**Accept wildcard characters?**
UserTypes [<String>] The type of Entra ID user that is managed by the rule. This parameter can have the following values: 1. M or Member 2. G or Guest 3. All The default value is All. Specify 'All' to manage both member and guest users.	false	named		true (ByPropertyName)	false
DRARestServer [<String>] The name of the computer running the DRA REST Service. The requested DRA operation will execute on this server. If the parameter is not specified, the value defaults to 'localhost'.	false	named		true (ByPropertyName)	false
DRARestPort [<Int32>] The port number of the DRA REST Service. This parameter is only used when the DRARestServer parameter is also specified. If the parameter is not specified, the value defaults to 8755.	false	named	8755	true (ByPropertyName)	false
IgnoreCertificateErrors [<SwitchParameter>] Allows the request to bypass any SSL certificate errors, such as the InvalidOperation error that occurs when the REST Service is bound to a self-signed certificate.	false	named		false	false

Attribute / Description	Parameters / Values				
	Required	**Position**	**Default Value**	**Accept Pipeline input?**	**Accept wildcard characters?**
Force [<SwitchParameter>] Suppresses any request for user input and supplies a 'yes' response. For example: -Force with a delete request will perform the delete without presenting the confirmation request to the user.	false	named		false	false
Timeout [<Int32>] The number of seconds to wait before the request to the DRA REST server times out. To specify an infinite timeout, you can set this parameter to -1.	false	named	100 seconds	true (ByPropertyName)	false
<CommonParameters> Verbose, Debug, ErrorAction, ErrorVariable, WarningAction, WarningVariable, OutBuffer, PipelineVariable, and OutVariable. For more information, see About CommonParameters (http://go.microsoft.com/fwlink/?LinkID=113216).					

NOTE: For more information, type "`Get-Help New-DRAAzureTenantRule -detailed`". For technical information, type "`Get-Help New-DRAAzureTenantRule -full`".

Example 10-18 *1*

```
PS C:\>New-DraAzureTenantRule -Name "DRA Azure Tenant Rule" -ActiveView "My
AV" -Tenant "NetIQ"
```

This example creates an Entra ID tenant rule named "DRA Azure Tenant Rule" under an existing ActiveView "My AV" with a list of users and groups in the Entra ID tenant “NetIQ”.

Example 10-19 *2*

```
PS C:\>New-DraAzureTenantRule -Name "DRA Azure Tenant Rule" -ActiveView "My
AV" -Tenant "NetIQ" -TenantMatchProperty "mcsPath -ExcluseObjectInAUs.
```

This example creates an Entra ID tenant rule named "DRA AzureTenant Rule" under an existing ActiveView "My AV" with the Entra ID tenant matching "NetIQ" excluding the Objects in AU. ExcludeObjectInAU being a switch parameter. By default if -ExcludeObjectInAU switch is not passed, objects in AU will be included.

New-DRAAzureUserRule

Synopsis

Creates a rule for Entra ID users in the specified ActiveView.

Syntax

```
New-DRAAzureUserRule -ActiveView <String> -Name <String> [-Exclude
<SwitchParameter>] [-RestrictUsageOnlyAllow <SwitchParameter>] [-
RestrictUsageDoNotAllow <SwitchParameter>] [-Comment <String>] [-
Object<String>] [-ObjectMatchProperty <String>] [AzureAUsMatch <String>]
[-AzureGroupsMatch <String>] [-UserTypes <String>][-Tenant <String>] [-
TenantMatchProperty <String>] [-DRARestServer <String>] [-DRARestPort
<Int32>] [-IgnoreCertificateErrors <SwitchParameter>] [-Force
<SwitchParameter>] [-Timeout <Int32>] [<CommonParameters>]
```

Description

The New-DRAAzureUserRule cmdlet creates the requested rule for Entra ID users in the specified ActiveView. You must have the appropriate powers, such as those included in the Manage Security Model role to run this cmdlet.

Parameters

Attribute / Description	Parameters / Values				
	Required	**Position**	**Default Value**	**Accept Pipeline input?**	**Accept wildcard characters?**
ActiveView <String> Name of the ActiveView to add the rule to.	true	named		true (ByPropertyName)	false
Name <String> Name of the ActiveView rule to be created.	true	named		true (ByPropertyName)	false
Exclude [<SwitchParameter>] Specifies whether the ActiveView rule includes or excludes objects. By default, objects are included in the ActiveView rule.	false	named		true (ByPropertyName)	false

Attribute / Description	Parameters / Values				
	Required	**Position**	**Default Value**	**Accept Pipeline input?**	**Accept wildcard characters?**
RestrictUsageOnlyAllow [<SwitchParameter>] Enables the objects included in the ActiveView rule to be cloned, moved, or added to other groups. If the value for the `RestrictUsageOnlyAllow` parameter is true, the cmdlet ignores the value that is specified for the `RestrictUsageDoNotAllow` parameter. The default value is false.	false	named		true (ByPropertyName)	false
RestrictUsageDoNotOnlyAllow [<SwitchParameter>] Restricts the objects included in the ActiveView rule from being cloned, moved, or added to groups. The default value is false.	false	named		true (ByPropertyName)	false
Comment [<String>] Specifies additional information about the ActiveView rule.	false	named		true (ByPropertyName)	false
Object [<String>] The objects to be included in the ActiveView rule. By default, all objects are included in the ActiveView rule.	false	named		true (ByPropertyName)	false
ObjectMatchProperty [<String>] The object property to use when searching for objects. The value can be `McsNameValue`, `userPrincipalName`, `McsPath` or `Department`.	false	named		true (ByPropertyName)	false

Attribute / Description	Parameters / Values				
	Required	**Position**	**Default Value**	**Accept Pipeline input?**	**Accept wildcard characters?**
AzureAUsMatch<Strting> The AU name to use when searching for objects You can specify the exact dn of the AU name or a wildcard value. For more information, see About CommonParameters (http://go.microsoft.com/fwlink/?LinkID=113216).	false	named		true (ByPropertyName)	false
AzureGroupsMatch [<String>] The Entra ID group to include when searching for objects. You can specify the exact Entra ID group name or a wildcard value.	false	named		true (ByPropertyName)	false
UserTypes [<String>] The type of Entra ID user that is managed by the rule. This parameter can have the following values: 1. M or Member 2. G or Guest 3. All The default value is All. Specify 'All' to manage both member and guest users.	false	named		true (ByPropertyName)	false
Tenant [<String>] The name of the tenant to use when searching for objects. You can specify the exact tenant name or a wildcard value.	false	named		true (ByPropertyName)	false
TenantMatchProperty [<String>] The tenant property to use when searching for objects. The value can be `McsFriendlyName` or `McsPath`.	false	named		true (ByPropertyName)	false

Attribute / Description	Parameters / Values				
	Required	**Position**	**Default Value**	**Accept Pipeline input?**	**Accept wildcard characters?**
DRARestServer [<String>] The name of the computer running the DRA REST Service. The requested DRA operation will execute on this server. If the parameter is not specified, the value defaults to 'localhost'.	false	named		true (ByPropertyName)	false
DRARestPort [<Int32>] The port number of the DRA REST Service. This parameter is only used when the DRARestServer parameter is also specified. If the parameter is not specified, the value defaults to 8755.	false	named	8755	true (ByPropertyName)	false
IgnoreCertificateErrors [<SwitchParameter>] Allows the request to bypass any SSL certificate errors, such as the InvalidOperation error that occurs when the REST Service is bound to a self-signed certificate.	false	named		false	false
Force [<SwitchParameter>] Suppresses any request for user input and supplies a 'yes' response. For example: -Force with a delete request will perform the delete without presenting the confirmation request to the user.	false	named		false	false
Timeout [<Int32>] The number of seconds to wait before the request to the DRA REST server times out. To specify an infinite timeout, you can set this parameter to -1.	false	named	100 seconds	true (ByPropertyName)	false

Attribute / Description	Parameters / Values				
	Required	Position	Default Value	Accept Pipeline input?	Accept wildcard characters?
<CommonParameters> Verbose, Debug, ErrorAction, ErrorVariable, WarningAction, WarningVariable, OutBuffer, PipelineVariable, and OutVariable. For more information, see About CommonParameters (http://go.microsoft.com/fwlink/?LinkID=113216).					

NOTE: For more information, type "`Get-Help New-DRAAzureUserRule -detailed`". For technical information, type "`Get-Help New-DRAAzureUserRule -full`".

Example 10-20 *1*

```
PS C:\>New-DRAAzureUserRule -Name "DRA Azure User Rule" -ActiveView "My AV"
-Object "test*" -Tenant "*"
```

This example creates an Entra ID user rule named "DRA Azure User Rule" under an existing ActiveView "My AV" with a list of Entra ID users from all the managed Entra ID tenants.

Example 10-21 *2*

```
PS C:\>New-DRAAzureUserRule -Name "DRA Azure User Rule" -ActiveView "My AV"
-Object "*" -Tenant "az=NetIQ" -TenantMatchProperty "mcsPath"
```

This example creates an Entra ID user rule named "DRA Azure User Rule" under an existing ActiveView "My AV" with a list of Entra ID users from the Entra ID tenant matching the identifier "az=NetIQ".

Example 10-22 *3*

```
New-DRAAzureUserRule -Name "DRA Azure User Rule" -ActiveView "My AV" -
Object "*" -Tenant "*" -UserTypes "Guest"
```

This example creates an Entra ID user rule named "DRA Azure User Rule" under an existing ActiveView "My AV" with a list of all Entra ID guest users from all the managed Entra ID tenants.

Example 10-23 *4*

```
PS C:\>New-DRAAzureUserRule -Name "DRA Azure User Rule" -ActiveView "My AV"
-Object "*" -Tenant "az=NetIQ" -TenantMatchProperty "mcsPath" -
AzureAUsMatch "CN=C79D608E-FE3C-43A7-8696-33F3011CA52C,az=0fa60a63-c83d-
41b7-b600-202185e8db05"
```

This example creates an Entra ID user rule named "DRA Azure User Rule" under an existing ActiveView "My AV" with a list of Entra ID users from the Entra ID tenant matching the identifier "az=NetIQ" and the AU with the DistinguishedName "CN=C79D608E-FE3C-43A7-8696-33F3011CA52C,az=0fa60a63-c83d-41b7-b600-202185e8db05".

Example 10-24 *5*

```
New-DRAAzureUserRule -ActiveView MyAV -Name 1EA3 -Object EA3 -
ObjectMatchProperty Extensionattribute3
```

This example creates an Entra ID user rule named "1EA3" under an existing ActiveView "MyAV" with a list of Entra ID users where the "ExtensionAttribute3" property matches "EA3".

New-DRAComputerRule

Synopsis

Creates a computer rule in the specified ActiveView.

Syntax

```
New-DRAComputerRule -ActiveView <String> -Name <String> [-Exclude
<SwitchParameter>] [-ExcludeChildOUs <SwitchParameter>] [-
RestrictUsageOnlyAllow <SwitchParameter>] [-RestrictUsageDoNotAllow
<SwitchParameter>] [-Comment <String>] [-Object <String>] [-
ObjectMatchProperty <String>] [-DomainControllerMatch <SwitchParameter>]
[-DomainMembersMatch <SwitchParameter>] [-GroupsMatch <String>] [-OU
<String>] [-OUMatchProperty <String>] [-Domain <String>] [-
DomainMatchProperty <String>] [-DRARestServer <String>] [-DRARestPort
<Int32>] [-IgnoreCertificateErrors <SwitchParameter>] [-Force
<SwitchParameter>] [-Timeout <Int32>] [<CommonParameters>]
```

Description

The New-DRAComputerRule cmdlet creates the requested computer rule in the specified ActiveView. You must have the appropriate powers, such as those included in the Manage Security Model role to run this cmdlet.

Parameters

Attribute / Description	Parameters / Values				
	Required	**Position**	**Default Value**	**Accept Pipeline input?**	**Accept wildcard characters?**
ActiveView <String> Name of the ActiveView to add the rule to.	true	named		true (ByPropertyName)	false

Attribute / Description	Parameters / Values				
	Required	**Position**	**Default Value**	**Accept Pipeline input?**	**Accept wildcard characters?**
Name <String> Name of the ActiveView rule to be created.	true	named		true (ByPropertyName)	false
Exclude [<SwitchParameter>] Specifies whether the ActiveView rule includes or excludes objects. By default, objects are included in the ActiveView rule.	false	named		true (ByPropertyName)	false
ExcludeChildOUs [<SwitchParameter>] A switch parameter to request that the search exclude child organizational units. By default, child OUs are included.	false	named		true (ByPropertyName)	false
RestrictUsageOnlyAllow [<SwitchParameter>] Enables the objects included in the ActiveView rule to be cloned, moved, or added to other groups. If the value for the `RestrictUsageOnlyAllow` parameter is true, the cmdlet ignores the value that is specified for the `RestrictUsageDoNotAllow` parameter. The default value is false.	false	named		true (ByPropertyName)	false
RestrictUsageDoNotAllow [<SwitchParameter>] Restricts the objects included in the ActiveView rule from being cloned, moved, or added to groups. The default value is false.	false	named		true (ByPropertyName)	false
Comment [<String>] Specifies additional information about the ActiveView rule.	false	named		true (ByPropertyName)	false

Attribute / Description	Parameters / Values				
	Required	**Position**	**Default Value**	**Accept Pipeline input?**	**Accept wildcard characters?**
Object [<String>] The objects to be included in the ActiveView rule. By default, all objects are included in the ActiveView rule.	false	named		true (ByPropertyName)	false
ObjectMatchProperty [<String>] The object property to use when searching for objects. The value can be `userPrincipalName`, `samAccountName`, `McsNameValue` or `McsPath`.	false	named		true (ByPropertyName)	false
DomainControllerMatch [<SwitchParameter>] Creates a rule with domain controllers that match the specified values. The match criteria can be specified by using the Object parameter.	false	named		true (ByPropertyName)	false
DomainMembersMatch [<SwitchParameter>] Creates a rule with domain members that match the specified values. The match criteria can be specified by using the Object parameter.	false	named		true (ByPropertyName)	false
GroupsMatch [<String>] The group to include when searching for objects. You can specify the exact group name or a wildcard value.	false	named		true (ByPropertyName)	false
OU [<String>] The OU name to use when searching for objects. You can specify the exact OU name or a wildcard value.	false	named		true (ByPropertyName)	false
OUMatchProperty [<String>] The OU property to use when searching for objects. The value can be `McsNameValue` or `McsPath`.	false	named		true (ByPropertyName)	false

Attribute / Description	Parameters / Values				
	Required	**Position**	**Default Value**	**Accept Pipeline input?**	**Accept wildcard characters?**
Domain [<String>] The name of the domain to use when searching for objects. You can specify the exact domain name or a wildcard value.	false	named		true (ByPropertyName)	false
DomainMatchProperty [<String>] The domain property to use when searching for objects. The value can be `McsNameValue` or `McsPath`.	false	named		true (ByPropertyName)	false
MemberServer [<SwitchParameter>] A switch parameter to request that the search include member servers when searching for objects. The default value is false. The search operation uses the values specified in the `Domain` and `DomainMatchProperty` parameters as the search criteria.	false	named		true (ByPropertyName)	false
DRARestServer [<String>] The name of the computer running the DRA REST Service. The requested DRA operation will execute on this server. If the parameter is not specified, the value defaults to 'localhost'.	false	named		true (ByPropertyName)	false
DRARestPort [<Int32>] The port number of the DRA REST Service. This parameter is only used when the DRARestServer parameter is also specified. If the parameter is not specified, the value defaults to 8755.	false	named	8755	true (ByPropertyName)	false

Attribute / Description	Parameters / Values				
	Required	**Position**	**Default Value**	**Accept Pipeline input?**	**Accept wildcard characters?**
IgnoreCertificateErrors [<SwitchParameter>] Allows the request to bypass any SSL certificate errors, such as the InvalidOperation error that occurs when the REST Service is bound to a self-signed certificate.	false	named		false	false
Force [<SwitchParameter>] Suppresses any request for user input and supplies a 'yes' response. For example: -Force with a delete request will perform the delete without presenting the confirmation request to the user.	false	named		false	false
Timeout [<Int32>] The number of seconds to wait before the request to the DRA REST server times out. To specify an infinite timeout, you can set this parameter to -1.	false	named	100 seconds	true (ByPropertyName)	false
<CommonParameters> Verbose, Debug, ErrorAction, ErrorVariable, WarningAction, WarningVariable, OutBuffer, PipelineVariable, and OutVariable. For more information, see About CommonParameters (http://go.microsoft.com/fwlink/?LinkID=113216).					

NOTE: For more information, type "`Get-Help New-DRAComputerRule -detailed`". For technical information, type "`Get-Help New-DRAComputerRule -full`".

Example 10-25 *1*

```
PS C:\>New-DRAComputerRule -Name "DRA Computer Rule" -ActiveView "My AV"  -
Object "*" -OU "*" -Domain "*
```

This example creates a computer rule named "DRA Computer Rule" in an existing ActiveView named "My AV" with a list of objects matching any computers, the OU matching any OU, and the domain matching any domain.

New-DRAContactRule

Synopsis

Creates a contact rule in the specified ActiveView.

Syntax

```
New-DRAContactRule -ActiveView <String> -Name <String> [-Exclude
<SwitchParameter>] [-ExcludeChildOUs <SwitchParameter>] [-
RestrictUsageOnlyAllow <SwitchParameter>] [-RestrictUsageDoNotAllow
<SwitchParameter>] [-Comment <String>] [-Object <String>] [-
ObjectMatchProperty <String>] [-GroupsMatch <String>] [-OU <String>] [-
OUMatchProperty <String>] [-Domain <String>] [-DomainMatchProperty
<String>] [-DRARestServer <String>] [-DRARestPort <Int32>] [-
IgnoreCertificateErrors <SwitchParameter>] [-Force <SwitchParameter>] [-
Timeout <Int32>] [<CommonParameters>]
```

Description

The New-DRAContactRule cmdlet creates the requested contact rule in the specified ActiveView. You must have the appropriate powers, such as those included in the Manage Security Model role to run this cmdlet.

Parameters

Attribute / Description	Parameters / Values				
	Required	**Position**	**Default Value**	**Accept Pipeline input?**	**Accept wildcard characters?**
ActiveView <String> Name of the ActiveView to add the rule to.	true	named		true (ByPropertyName)	false
Name <String> Name of the ActiveView rule to be created.	true	named		true (ByPropertyName)	false
Exclude [<SwitchParameter>] Specifies whether the ActiveView rule includes or excludes objects. By default, objects are included in the ActiveView rule.	false	named		true (ByPropertyName)	false

Attribute / Description	Parameters / Values				
	Required	**Position**	**Default Value**	**Accept Pipeline input?**	**Accept wildcard characters?**
ExcludeChildOUs [<SwitchParameter>] A switch parameter to request that the search exclude child organizational units. By default, child OUs are included.	false	named		true (ByPropertyName)	false
RestrictUsageOnlyAllow [<SwitchParameter>] Enables the objects included in the ActiveView rule to be cloned, moved, or added to other groups. If the value for the `RestrictUsageOnlyAllow` parameter is true, the cmdlet ignores the value that is specified for the `RestrictUsageDoNotAllow` parameter. The default value is false.	false	named		true (ByPropertyName)	false
RestrictUsageDoNotAllow [<SwitchParameter>] Restricts the objects included in the ActiveView rule from being cloned, moved, or added to groups. The default value is false.	false	named		true (ByPropertyName)	false
Comment [<String>] Specifies additional information about the ActiveView rule.	false	named		true (ByPropertyName)	false
Object [<String>] The objects to be included in the ActiveView rule. By default, all objects are included in the ActiveView rule.	false	named		true (ByPropertyName)	false
ObjectMatchProperty [<String>] The object property to use when searching for objects. The value can be `userPrincipalName`, `samAccountName`, `McsNameValue` or `McsPath`.	false	named		true (ByPropertyName)	false

Attribute / Description	Parameters / Values				
	Required	**Position**	**Default Value**	**Accept Pipeline input?**	**Accept wildcard characters?**
GroupsMatch [<String>] The group to include when searching for objects. You can specify the exact group name or a wildcard value.	false	named		true (ByPropertyName)	false
OU [<String>] The OU name to use when searching for objects. You can specify the exact OU name or a wildcard value.	false	named		true (ByPropertyName)	false
OUMatchProperty [<String>] The OU property to use when searching for objects. The value can be `McsNameValue` or `McsPath`.	false	named		true (ByPropertyName)	false
Domain [<String>] The name of the domain to use when searching for objects. You can specify the exact domain name or a wildcard value.	false	named		true (ByPropertyName)	false
DomainMatchProperty [<String>] The object property to use when searching for objects. The value can be `userPrincipalName`, `samAccountName`, `McsNameValue` or `McsPath`.	false	named		true (ByPropertyName)	false
DRARestServer [<String>] The name of the computer running the DRA REST Service. The requested DRA operation will execute on this server. If the parameter is not specified, the value defaults to 'localhost'.	false	named		true (ByPropertyName)	false

Attribute / Description	Parameters / Values				
	Required	**Position**	**Default Value**	**Accept Pipeline input?**	**Accept wildcard characters?**
DRARestPort [<Int32>] The port number of the DRA REST Service. This parameter is only used when the DRARestServer parameter is also specified. If the parameter is not specified, the value defaults to 8755.	false	named	8755	true (ByPropertyName)	false
IgnoreCertificateErrors [<SwitchParameter>] Allows the request to bypass any SSL certificate errors, such as the InvalidOperation error that occurs when the REST Service is bound to a self-signed certificate.	false	named		false	false
Force [<SwitchParameter>] Suppresses any request for user input and supplies a 'yes' response. For example: -Force with a delete request will perform the delete without presenting the confirmation request to the user.	false	named		false	false
Timeout [<Int32>] The number of seconds to wait before the request to the DRA REST server times out. To specify an infinite timeout, you can set this parameter to -1.	false	named	100 seconds	true (ByPropertyName)	false
<CommonParameters> Verbose, Debug, ErrorAction, ErrorVariable, WarningAction, WarningVariable, OutBuffer, PipelineVariable, and OutVariable. For more information, see About CommonParameters (http://go.microsoft.com/fwlink/?LinkID=113216).					

NOTE: For more information, type "`Get-Help New-DRAContactRule -detailed`". For technical information, type "`Get-Help New-DRAContactRule -full`".

Example 10-26 *1*

```
PS C:\>New-DRAContactRule -Name "DRA Contact Rule" -ActiveView "My AV"  -
Object "*" -OU "*" -Domain "*"
```

This example creates a contact rule named "DRA Contact Rule" in an existing ActiveView named "My AV" with a list of objects matching any contact, the OU matching any OU, and the domain matching any domain.

New-DRADirectReportsRule

Synopsis

Creates a direct reports rule in the specified ActiveView.

Syntax

```
New-DRADirectReportsRule -ActiveView <String> -Name <String> [-Exclude
<SwitchParameter>] [-RestrictUsageOnlyAllow <SwitchParameter>] [-
RestrictUsageDoNotAllow <SwitchParameter>] [-Comment <String>] [-
DRARestServer <String>] [-DRARestPort <Int32>] [-IgnoreCertificateErrors
<SwitchParameter>] [-Force <SwitchParameter>] [-Timeout <Int32>]
[<CommonParameters>]
```

Description

The New-DirectReportsRule cmdlet creates the requested rule for direct reports in the specified ActiveView. You must have the appropriate powers, such as those included in the Manage Security Model role to run this cmdlet.

Parameters

Attribute / Description	**Parameters / Values**				
	Required	**Position**	**Default Value**	**Accept Pipeline input?**	**Accept wildcard characters?**
ActiveView <String> Name of the ActiveView to add the rule to.	true	named		true (ByPropertyName)	false
Name <String> Name of the ActiveView rule to be created.	true	named		true (ByPropertyName)	false
Exclude [<SwitchParameter>] Specifies whether the ActiveView rule includes or excludes objects. By default, objects are included in the ActiveView rule.	false	named		true (ByPropertyName)	false

Attribute / Description	Parameters / Values				
	Required	**Position**	**Default Value**	**Accept Pipeline input?**	**Accept wildcard characters?**
RestrictUsageOnlyAllow [<SwitchParameter>] Enables the objects included in the ActiveView rule to be cloned, moved, or added to other groups. If the value for the `RestrictUsageOnlyAllow` parameter is true, the cmdlet ignores the value that is specified for the `RestrictUsageDoNotAllow` parameter. The default value is false.	false	named		true (ByPropertyName)	false
RestrictUsageDoNotAllow [<SwitchParameter>] Restricts the objects included in the ActiveView rule from being cloned, moved, or added to groups. The default value is false.	false	named		true (ByPropertyName)	false
Comment [<String>] Specifies additional information about the ActiveView rule.	false	named		true (ByPropertyName)	false
DRARestServer [<String>] The name of the computer running the DRA REST Service. The requested DRA operation will execute on this server. If the parameter is not specified, the value defaults to 'localhost'.	false	named		true (ByPropertyName)	false
DRARestPort [<Int32>] The port number of the DRA REST Service. This parameter is only used when the DRARestServer parameter is also specified. If the parameter is not specified, the value defaults to 8755.	false	named	8755	true (ByPropertyName)	false

Attribute / Description	Parameters / Values				
	Required	**Position**	**Default Value**	**Accept Pipeline input?**	**Accept wildcard characters?**
IgnoreCertificateErrors [<SwitchParameter>] Allows the request to bypass any SSL certificate errors, such as the InvalidOperation error that occurs when the REST Service is bound to a self-signed certificate.	false	named		false	false
Force [<SwitchParameter>] Suppresses any request for user input and supplies a 'yes' response. For example: -Force with a delete request will perform the delete without presenting the confirmation request to the user.	false	named		false	false
Timeout [<Int32>] The number of seconds to wait before the request to the DRA REST server times out. To specify an infinite timeout, you can set this parameter to -1. ***<CommonParameters>*** Verbose, Debug, ErrorAction, ErrorVariable, WarningAction, WarningVariable, OutBuffer, PipelineVariable, and OutVariable. For more information, see About CommonParameters (http://go.microsoft.com/fwlink/?LinkID=113216).	false	named	100 seconds	true (ByPropertyName)	false

NOTE: For more information, type "`Get-Help New-DRADirectReportsRule -detailed`". For technical information, type "`Get-Help New-DRADirectReportsRule -full`".

Example 10-27 *1*

```
PS C:\> New-DRADirectReportsRule -Name "DRA Direct ReportsRule" -ActiveView
"My AV"
```

This example creates a direct reports rule named "DRA Direct ReportsRule" in an existing ActiveView named "My AV".

New-DRADomainRule

Synopsis

Creates a domain rule in the specified ActiveView.

Syntax

```
New-DRADomainRule -ActiveView <String> -Name <String> [-Exclude
<SwitchParameter>] [-ExcludeChildOUs <SwitchParameter>] [-Comment
<String>] [-ObjectsOnly <SwitchParameter>][-ObjectTypes <String[]>] [-
Domain <String>] [-DomainMatchProperty <String>][-RestrictUsageOnlyAllow
<SwitchParameter>] [-RestrictUsageDoNotAllow <SwitchParameter>] [-
DRARestServer <String>] [-DRARestPort <Int32>] [-IgnoreCertificateErrors
<SwitchParameter>] [-Force <SwitchParameter>] [-Timeout <Int32>]
[<CommonParameters>]
```

Description

The New-DRADomainRule cmdlet creates the requested domain rule in the specified ActiveView. You must have the appropriate powers, such as those included in the Manage Security Model role to run this cmdlet.

Parameters

Attribute / Description	Parameters / Values				
	Required	**Position**	**Default Value**	**Accept Pipeline input?**	**Accept wildcard characters?**
ActiveView [<String>] Name of the ActiveView that is associated with the rule.	true	named		true (ByPropertyName)	false
Name [<String>] Name of the ActiveView rule to be created.	true	named		true (ByPropertyName)	false
Exclude [<SwitchParameter>] Specifies whether the ActiveView rule includes or excludes objects. By default, objects are included in the ActiveView rule.	false	named		true (ByPropertyName)	false
Comment [<String>] Specifies additional information about the ActiveView rule.	false	named		true (ByPropertyName)	false

Attribute / Description	Parameters / Values				
	Required	**Position**	**Default Value**	**Accept Pipeline input?**	**Accept wildcard characters?**
ExcludeChildOUs [<SwitchParameter>] A switch parameter to request that the search exclude child organizational units. By default, child OUs are included.	false	named		true (ByPropertyName)	false
ObjectsOnly [<String>] Specifies whether to include only the matching objects or manage both matching objects and domains. By default, the rule includes both objects and domains.	false	named		true (ByPropertyName)	false
ObjectTypes [<String[]>] The type of object that is managed by the rule. This parameter can have the following values: ◆ U or User ◆ G or Group ◆ CP or Computer ◆ CT or Contact ◆ DDG or DynamicDistributionGroup ◆ RM or RoomMailbox ◆ EM or EquipmentMailbox ◆ SM or SharedMailbox ◆ OU or OrganizationalUnit You can specify more than one value separated by a comma. If you specify NONE, only domains are included. By default, the rule includes all types of objects and domains.	false	named		true (ByPropertyName)	false
Domain [<String>] The name of the domain to use when searching for objects. You can specify the exact domain name or a wildcard value.	false	named		true (ByPropertyName)	false

Attribute / Description	Parameters / Values				
	Required	**Position**	**Default Value**	**Accept Pipeline input?**	**Accept wildcard characters?**
DomainMatchProperty [<String>] The domain property to use when searching for objects. The value can be `McsNameValue` or `McsPath`.	false	named		true (ByPropertyName)	false
RestrictUsageOnlyAllow [<SwitchParameter>] Enables the objects included in the ActiveView rule to be cloned, moved, or added to other groups. If the value for the `RestrictUsageOnlyAllow` parameter is true, the cmdlet ignores the value that is specified for the `RestrictUsageDoNotAllow` parameter. The default value is false.	false	named		true (ByPropertyName)	false
RestrictUsageDoNotAllow [<SwitchParameter>] Restricts the objects included in the ActiveView rule from being cloned, moved, or added to groups. The default value is false.	false	named		true (ByPropertyName)	false
DRARestServer [<String>] The name of the computer running the DRA REST Service. The requested DRA operation will execute on this server. If the parameter is not specified, the value defaults to 'localhost'.	false	named		true (ByPropertyName)	false
DRARestPort [<Int32>] The port number of the DRA REST Service. This parameter is only used when the DRARestServer parameter is also specified. If the parameter is not specified, the value defaults to 8755.	false	named	8755	true (ByPropertyName)	false

Attribute / Description	Parameters / Values				
	Required	**Position**	**Default Value**	**Accept Pipeline input?**	**Accept wildcard characters?**
IgnoreCertificateErrors [<SwitchParameter>] Allows the request to bypass any SSL certificate errors, such as the InvalidOperation error that occurs when the REST Service is bound to a self-signed certificate.	false	named		false	false
Force [<SwitchParameter>] Suppresses any request for user input and supplies a 'yes' response. For example: -Force with a delete request will perform the delete without presenting the confirmation request to the user.	false	named		false	false
Timeout [<Int32>] The number of seconds to wait before the request to the DRA REST server times out. To specify an infinite timeout, you can set this parameter to -1.	false	named	100 seconds	true (ByPropertyName)	false
<CommonParameters> Verbose, Debug, ErrorAction, ErrorVariable, WarningAction, WarningVariable, OutBuffer, PipelineVariable, and OutVariable. For more information, see About CommonParameters (http://go.microsoft.com/fwlink/?LinkID=113216).					

NOTE: For more information, type "`Get-Help New-DRADomainRule -detailed`". For technical information, type "`Get-Help New-DRADomainRule -full`".

Example 10-28 *1*

```
PS C:\>New-DRADomainRule -Name "DRA Domain Rule" -ActiveView "My AV"  -
Domain "*" -ObjectTypes "User","Group"
```

This example creates the domain rule named "DRA Domain Rule" under an existing ActiveView "My AV" with a list of objects in any domain that are users or groups.

New-DRADynamicDistributionGroupRule

Synopsis

Creates a dynamic distribution group rule in the specified ActiveView.

Syntax

```
New-DRADynamicDistributionGroupRule -ActiveView <String> -Name <String> [-
Exclude <SwitchParameter>] [-ExcludeChildOUs <SwitchParameter>] [-
RestrictUsageOnlyAllow <SwitchParameter>] [-
RestrictUsageDoNotAllow<SwitchParameter>] [-Comment <String>] [-Object
<String>] [-ObjectMatchProperty <String>] [-OU <String>] [-OUMatchProperty
<String>] [-Domain <String>] [-DomainMatchProperty <String>] [-
DRARestServer <String>] [-DRARestPort <Int32>] [-IgnoreCertificateErrors
<SwitchParameter>] [-Force <SwitchParameter>] [-Timeout <Int32>]
[<CommonParameters>]
```

Description

The New-DRADynamicDistributionGroupRule cmdlet creates the requested rule for dynamic distribution groups in the specified ActiveView. You must have the appropriate powers, such as those included in the Manage Security Model role to run this cmdlet.

Parameters

Attribute / Description	Parameters / Values				
	Required	**Position**	**Default Value**	**Accept Pipeline input?**	**Accept wildcard characters?**
ActiveView <String> Name of the ActiveView to add the rule to.	true	named		true (ByPropertyName)	false
Name <String> Name of the ActiveView rule to be created.	true	named		true (ByPropertyName)	false
Exclude [<SwitchParameter>] Specifies whether the ActiveView rule includes or excludes objects. By default, objects are included in the ActiveView rule.	false	named		true (ByPropertyName)	false

Attribute / Description	Parameters / Values				
	Required	**Position**	**Default Value**	**Accept Pipeline input?**	**Accept wildcard characters?**
ExcludeChildOUs [<SwitchParameter>] A switch parameter to request that the search exclude child organizational units. By default, child OUs are included.	false	named		true (ByPropertyName)	false
RestrictUsageOnlyAllow [<SwitchParameter>] Enables the objects included in the ActiveView rule to be cloned, moved, or added to other groups. If the value for the `RestrictUsageOnlyAllow` parameter is true, the cmdlet ignores the value that is specified for the `RestrictUsageDoNotAllow` parameter. The default value is false.	false	named		true (ByPropertyName)	false
RestrictUsageDoNotAllow [<SwitchParameter>] Restricts the objects included in the ActiveView rule from being cloned, moved, or added to groups. The default value is false.	false	named		true (ByPropertyName)	false
Comment [<String>] Specifies additional information about the ActiveView rule.	false	named		true (ByPropertyName)	false
Object [<String>] The objects to be included in the ActiveView rule. By default, all objects are included in the ActiveView rule.	false	named		true (ByPropertyName)	false
ObjectMatchProperty [<String>] The object property to use when searching for objects. The value can be `userPrincipalName`, `samAccountName`, `McsNameValue` or `McsPath`.	false	named		true (ByPropertyName)	false

Attribute / Description	Parameters / Values				
	Required	**Position**	**Default Value**	**Accept Pipeline input?**	**Accept wildcard characters?**
OU [<String>] The OU name to use when searching for objects. You can specify the exact OU name or a wildcard value.	false	named		true (ByPropertyName)	false
OUMatchProperty [<String>] The OU property to use when searching for objects. The value can be `McsNameValue` or `McsPath`.	false	named		true (ByPropertyName)	false
Domain [<String>] The name of the domain to use when searching for objects. You can specify the exact domain name or a wildcard value.	false	named		true (ByPropertyName)	false
DomainMatchProperty [<String>] The domain property to use when searching for objects. The value can be `McsNameValue` or `McsPath`.	false	named		true (ByPropertyName)	false
DRARestServer [<String>] The name of the computer running the DRA REST Service. The requested DRA operation will execute on this server. If the parameter is not specified, the value defaults to 'localhost'.	false	named		true (ByPropertyName)	false
DRARestPort [<Int32>] The port number of the DRA REST Service. This parameter is only used when the DRARestServer parameter is also specified. If the parameter is not specified, the value defaults to 8755.	false	named	8755	true (ByPropertyName)	false

Attribute / Description	Parameters / Values				
	Required	**Position**	**Default Value**	**Accept Pipeline input?**	**Accept wildcard characters?**
IgnoreCertificateErrors [<SwitchParameter>] Allows the request to bypass any SSL certificate errors, such as the InvalidOperation error that occurs when the REST Service is bound to a self-signed certificate.	false	named		false	false
Force [<SwitchParameter>] Suppresses any request for user input and supplies a 'yes' response. For example: -Force with a delete request will perform the delete without presenting the confirmation request to the user.	false	named		false	false
Timeout [<Int32>] The number of seconds to wait before the request to the DRA REST server times out. To specify an infinite timeout, you can set this parameter to -1.	false	named	100 seconds	true (ByPropertyName)	false
<CommonParameters> Verbose, Debug, ErrorAction, ErrorVariable, WarningAction, WarningVariable, OutBuffer, PipelineVariable, and OutVariable. For more information, see About CommonParameters (http://go.microsoft.com/fwlink/?LinkID=113216).					

NOTE: For more information, type "`Get-Help New-DRADynamicDistributionGroupRule -detailed`". For technical information, type "`Get-Help New-DRADynamicDistributionGroupRule -full`".

Example 10-29 *1*

```
PS C:\> New-DRADynamicDistributionGroupRule -Name "DRA Dynamic Distribution
Group Rule" -ActiveView "My AV"  -Object "*" -OU "*" -Domain "*"
```

This example creates a dynamic distribution group rule named "DRA Dynamic Distribution Group Rule" in an existing ActiveView named "My AV" with a list of objects matching any dynamic distribution group, the OU matching any OU, and the domain matching any domain.

New-DRAManagedGroupsRule

Synopsis

Creates a rule for managed groups in the specified ActiveView.

Syntax

```
New-DRAManagedGroupsRule -ActiveView <String> -Name <String> [-Exclude
<SwitchParameter>] [-RestrictUsageOnlyAllow <SwitchParameter>] [-
RestrictUsageDoNotAllow <SwitchParameter>] [-Comment <String>] [-
GroupTypes <String>] [-GroupScopes <String[]>] [-DRARestServer <String>] [-
DRARestPort <Int32>] [-IgnoreCertificateErrors <SwitchParameter>] [-Force
<SwitchParameter>] [-Timeout <Int32>] [<CommonParameters>]
```

Description

The New-DRAManagedGroupsRule cmdlet creates the requested rule for managed groups in the specified ActiveView. You must have the appropriate powers, such as those included in the Manage Security Model role to run this cmdlet.

Parameters

Attribute / Description	Parameters / Values				
	Required	**Position**	**Default Value**	**Accept Pipeline input?**	**Accept wildcard characters?**
ActiveView <String> Name of the ActiveView to add the rule to.	true	named		true (ByPropertyName)	false
Name <String> Name of the ActiveView rule to be created.	true	named		true (ByPropertyName)	false
Exclude [<SwitchParameter>] Specifies whether the ActiveView rule includes or excludes objects. By default, objects are included in the ActiveView rule.	false	named		true (ByPropertyName)	false

Attribute / Description	Parameters / Values				
	Required	**Position**	**Default Value**	**Accept Pipeline input?**	**Accept wildcard characters?**
RestrictUsageOnlyAllow [<SwitchParameter>] Enables the objects included in the ActiveView rule to be cloned, moved, or added to other groups. If the value for the `RestrictUsageOnlyAllow` parameter is true, the cmdlet ignores the value that is specified for the `RestrictUsageDoNotAllow` parameter. The default value is false.	false	named		true (ByPropertyName)	false
RestrictUsageDoNotAllow [<SwitchParameter>] Restricts the objects included in the ActiveView rule from being cloned, moved, or added to groups. The default value is false.	false	named		true (ByPropertyName)	false
Comment [<String>] Specifies additional information about the ActiveView rule.	false	named		true (ByPropertyName)	false
GroupTypes [<String>] The type of group that is managed by the rule. This parameter can have the following values: ◆ S or Security ◆ DL or DistributionList ◆ All	false	named		true (ByPropertyName)	false

Attribute / Description	Parameters / Values				
	Required	**Position**	**Default Value**	**Accept Pipeline input?**	**Accept wildcard characters?**
GroupScopes [<String[]>] The scope of group that is managed by the rule. This parameter can have the following values: ◆ U or Universal ◆ G or Global ◆ DL or DomainLocal ◆ All You can specify more than one value separated by a comma.	false	named		true (ByPropertyName)	false
DRARestServer [<String>] The name of the computer running the DRA REST Service. The requested DRA operation will execute on this server. If the parameter is not specified, the value defaults to 'localhost'.	false	named		true (ByPropertyName)	false
DRARestPort [<Int32>] The port number of the DRA REST Service. This parameter is only used when the DRARestServer parameter is also specified. If the parameter is not specified, the value defaults to 8755.	false	named	8755	true (ByPropertyName)	false
IgnoreCertificateErrors [<SwitchParameter>] Allows the request to bypass any SSL certificate errors, such as the InvalidOperation error that occurs when the REST Service is bound to a self-signed certificate.	false	named		false	false

Attribute / Description	Parameters / Values				
	Required	**Position**	**Default Value**	**Accept Pipeline input?**	**Accept wildcard characters?**
Force [<SwitchParameter>] Suppresses any request for user input and supplies a 'yes' response. For example: -Force with a delete request will perform the delete without presenting the confirmation request to the user.	false	named		false	false
Timeout [<Int32>] The number of seconds to wait before the request to the DRA REST server times out. To specify an infinite timeout, you can set this parameter to -1.	false	named	100 seconds	true (ByPropertyName)	false
<CommonParameters> Verbose, Debug, ErrorAction, ErrorVariable, WarningAction, WarningVariable, OutBuffer, PipelineVariable, and OutVariable. For more information, see About CommonParameters (http://go.microsoft.com/fwlink/?LinkID=113216).					

NOTE: For more information, type "`Get-Help New-DRAManagedGroupsRule -detailed`". For technical information, type "`Get-Help New-DRAManagedGroupsRule -full`".

Example 10-30 *1*

```
PS C:\>New-DRAManagedGroupsRule -Name "DRA Managed Group Rule" -ActiveView
"My AV" -GroupTypes "Security" -GroupScopes "U"
```

This example creates a managed group rule named "DRA Managed Group Rule" in an existing ActiveView named "My AV" with matching universal security groups.

New-DRAServiceAccountRule

Synopsis

Creates a group Managed Service Account (gMSA) rule in the specified ActiveView.

Syntax

```
New-DRAServiceAccountRule -ActiveView <String> -Name <String> [-Exclude
<SwitchParameter>] [-ExcludeChildOUs <SwitchParameter>] [-
RestrictUsageOnlyAllow <SwitchParameter>] [-RestrictUsageDoNotAllow
<SwitchParameter>] [-Comment <String>] [-Object <String>] [-
ObjectMatchProperty <String>] [-OU <String>] [-OUMatchProperty <String>] [-
Domain <String>] [-DomainMatchProperty <String>] [-DRARestServer <String>]
[-DRARestPort <Int32>] [-IgnoreCertificateErrors <SwitchParameter>] [-
Force <SwitchParameter>] [-Timeout <Int32>] [<CommonParameters>]
```

Description

The New-DRAServiceAccountRule cmdlet creates the requested gMSA rule in the specified ActiveView. You must have the appropriate powers, such as those included in the Manage Security Model role to run this cmdlet.

Parameters

Attribute / Description	Parameters / Values				
	Required	**Position**	**Default Value**	**Accept Pipeline input?**	**Accept wildcard characters?**
ActiveView <String> Name of the ActiveView to add the rule to.	true	named		true (ByPropertyName)	false
Name <String> Name of the ActiveView rule to be created.	true	named		true (ByPropertyName)	false
Exclude [<SwitchParameter>] Specifies whether the ActiveView rule includes or excludes objects. By default, objects are included in the ActiveView rule.	false	named		true (ByPropertyName)	false
ExcludeChildOUs [<SwitchParameter>] A switch parameter to request that the search exclude child organizational units. By default, child OUs are included.	false	named		true (ByPropertyName)	false

Attribute / Description	Parameters / Values				
	Required	**Position**	**Default Value**	**Accept Pipeline input?**	**Accept wildcard characters?**
RestrictUsageOnlyAllow [<SwitchParameter>] Enables the objects included in the ActiveView rule to be cloned, moved, or added to other groups. If the value for the `RestrictUsageOnlyAllow` parameter is true, the cmdlet ignores the value that is specified for the `RestrictUsageDoNotAllow` parameter. The default value is false.	false	named		true (ByPropertyName)	false
RestrictUsageDoNotAllow [<SwitchParameter>] Restricts the objects included in the ActiveView rule from being cloned, moved, or added to groups. The default value is false.	false	named		true (ByPropertyName)	false
Comment [<String>] Specifies additional information about the ActiveView rule.	false	named		true (ByPropertyName)	false
Object [<String>] The objects to be included in the ActiveView rule. By default, all objects are included in the ActiveView rule.	false	named		true (ByPropertyName)	false
ObjectMatchProperty [<String>] The object property to use when searching for objects. The value can be `samAccountName`, `McsNameValue` or `McsPath`.	false	named		true (ByPropertyName)	false
OU [<String>] The OU name to use when searching for objects. You can specify the exact OU name or a wildcard value.	false	named		true (ByPropertyName)	false

Attribute / Description	Parameters / Values				
	Required	**Position**	**Default Value**	**Accept Pipeline input?**	**Accept wildcard characters?**
OUMatchProperty [<String>] The OU property to use when searching for objects. The value can be `McsNameValue` or `McsPath`.	false	named		true (ByPropertyName)	false
Domain [<String>] The name of the domain to use when searching for objects. You can specify the exact domain name or a wildcard value.	false	named		true (ByPropertyName)	false
DomainMatchProperty [<String>] The domain property to use when searching for objects. The value can be `McsNameValue` or `McsPath`.	false	named		true (ByPropertyName)	false
DRARestServer [<String>] The name of the computer running the DRA REST Service. The requested DRA operation will execute on this server. If the parameter is not specified, the value defaults to 'localhost'.	false	named		true (ByPropertyName)	false
DRARestPort [<Int32>] The port number of the DRA REST Service. This parameter is only used when the DRARestServer parameter is also specified. If the parameter is not specified, the value defaults to 8755.	false	named	8755	true (ByPropertyName)	false
IgnoreCertificateErrors [<SwitchParameter>] Allows the request to bypass any SSL certificate errors, such as the InvalidOperation error that occurs when the REST Service is bound to a self-signed certificate.	false	named		false	false

Attribute / Description	Parameters / Values				
	Required	**Position**	**Default Value**	**Accept Pipeline input?**	**Accept wildcard characters?**
Force [<SwitchParameter>] Suppresses any request for user input and supplies a 'yes' response. For example: -Force with a delete request will perform the delete without presenting the confirmation request to the user.	false	named		false	false
Timeout [<Int32>] The number of seconds to wait before the request to the DRA REST server times out. To specify an infinite timeout, you can set this parameter to -1.	false	named	100 seconds	true (ByPropertyName)	false
<CommonParameters> Verbose, Debug, ErrorAction, ErrorVariable, WarningAction, WarningVariable, OutBuffer, PipelineVariable, and OutVariable. For more information, see About CommonParameters (http://go.microsoft.com/fwlink/?LinkID=113216).					

NOTE: For more information, type "`Get-Help New-DRAServiceAccountRule -detailed`". For technical information, type "`Get-Help New-DRAServiceAccountRule -full`".

Example 10-31 *1*

```
PS C:\>New-DRAServiceAccountRule -Name "DRA gMSA Rule" -ActiveView "My AV"
-Object "*" -OU "*" -Domain "*"
```

This example creates a gMSA rule named "DRA gMSA Rule" under an existing ActiveView "My AV" with a list of group managed service accounts from all organizational units and all domains.

New-DRAGroupRule

Synopsis

Creates a group rule in the specified ActiveView.

Syntax

```
New-DRAGroupRule -ActiveView <String> -Name <String> [-Exclude
<SwitchParameter>] [-ExcludeChildOUs <SwitchParameter>] [-
RestrictUsageOnlyAllow <SwitchParameter>] [-RestrictUsageDoNotAllow
<SwitchParameter>] [-Comment <String>] [-Object <String>] [-
ObjectMatchProperty <String>] [-NestedMembership <SwitchParameter>] [-
MembersOnly <SwitchParameter>] [-GroupsMatch <String>] [-MemberTypes
<String[]>] [-GroupTypes <String>] [-GroupScopes <String[]>] [-OU <String>]
[-OUMatchProperty <String>] [-Domain <String>] [-DomainMatchProperty
<String>] [-MemberServer <SwitchParameter>] [-DRARestServer <String>] [-
DRARestPort <Int32>] [-IgnoreCertificateErrors <SwitchParameter>] [-Force
<SwitchParameter>] [-Timeout <Int32>] [<CommonParameters>]
```

Description

The New-DRAGroupRule cmdlet creates the requested group rule in the specified ActiveView. You must have the appropriate powers, such as those included in the Manage Security Model role to run this cmdlet.

Parameters

Attribute / Description	Parameters / Values				
	Required	**Position**	**Default Value**	**Accept Pipeline input?**	**Accept wildcard characters?**
ActiveView <String> Name of the ActiveView to add the rule to.	true	named		true (ByPropertyName)	false
Name <String> Name of the ActiveView rule to be created.	true	named		true (ByPropertyName)	false
Exclude [<SwitchParameter>] Specifies whether the ActiveView rule includes or excludes objects. By default, objects are included in the ActiveView rule.	false	named		true (ByPropertyName)	false

Attribute / Description	Parameters / Values				
	Required	**Position**	**Default Value**	**Accept Pipeline input?**	**Accept wildcard characters?**
RestrictUsageOnlyAllow [<SwitchParameter>] Enables the objects included in the ActiveView rule to be cloned, moved, or added to other groups. If the value for the `RestrictUsageOnlyAllow` parameter is true, the cmdlet ignores the value that is specified for the `RestrictUsageDoNotAllow` parameter. The default value is false.	false	named		true (ByPropertyName)	false
RestrictUsageDoNotAllow [<SwitchParameter>] Restricts the objects included in the ActiveView rule from being cloned, moved, or added to groups. The default value is false.	false	named		true (ByPropertyName)	false
Comment [<String>] Specifies additional information about the ActiveView rule.	false	named		true (ByPropertyName)	false
Object [<String>] The objects to be included in the ActiveView rule. By default, all objects are included in the ActiveView rule.	false	named		true (ByPropertyName)	false
ObjectMatchProperty [<String>] The object property to use when searching for objects. The value can be `userPrincipalName`, `samAccountName`, `McsNameValue` or `McsPath`.	false	named		true (ByPropertyName)	false
NestedMembership [<SwitchParameter>] Specifies whether to include nested groups when searching for objects. By default, nested groups are included.	false	named		true (ByPropertyName)	false

Attribute / Description	Parameters / Values				
	Required	**Position**	**Default Value**	**Accept Pipeline input?**	**Accept wildcard characters?**
MembersOnly [<SwitchParameter>] Specifies whether to include only member objects from the matching groups or include both member objects and groups. By default, both groups and member objects are included.	false	named		true (ByPropertyName)	false
GroupsMatch [<String>] The groups to include when searching for objects. You can specify the exact group name or a wildcard value. ***MemberTypes [<String[]>]*** The type of member object that is managed by the rule. This parameter can have the following values: ◆ U or User ◆ G or Group ◆ CP or Computer ◆ CT or Contact ◆ All You can specify more than one value separated by a comma. If you specify NONE, the rule includes only groups. By default, the rule includes all member objects.	false	named		true (ByPropertyName)	false
GroupTypes [<String>] The type of group that is managed by the rule. This parameter can have the following values: ◆ S or Security ◆ DL or DistributionList ◆ All	false	named		true (ByPropertyName)	false

Attribute / Description	Parameters / Values				
	Required	**Position**	**Default Value**	**Accept Pipeline input?**	**Accept wildcard characters?**
GroupScopes [<String[]>] The scope of group that is managed by the rule. This parameter can have the following values: ◆ U or Universal ◆ G or Global ◆ DL or DomainLocal ◆ All You can specify more than one value separated by a comma. By default, the rule includes all group scopes.	false	named		true (ByPropertyName)	false
OU [<String>] The OU name to use when searching for objects. You can specify the exact OU name or a wildcard value.	false	named		true (ByPropertyName)	false
OUMatchProperty [<String>] The OU property to use when searching for objects. The value can be `McsNameValue` or `McsPath`.	false	named		true (ByPropertyName)	false
ExcludeChildOUs [<SwitchParameter>] A switch parameter to request that the search exclude child organizational units. By default, child OUs are included.	false	named		true (ByPropertyName)	false
Domain [<String>] The name of the domain to use when searching for objects. You can specify the exact domain name or a wildcard value.	false	named		true (ByPropertyName)	false

Attribute / Description	Parameters / Values				
	Required	**Position**	**Default Value**	**Accept Pipeline input?**	**Accept wildcard characters?**
DomainMatchProperty [<String>] The domain property to use when searching for objects. The value can be `McsNameValue` or `McsPath`.	false	named		true (ByPropertyName)	false
MemberServer [<SwitchParameter>] A switch parameter to request that the search include member servers when searching for objects. The default value is false. The search operation uses the values specified in the `Domain` and `DomainMatchProperty` parameters as the search criteria.	false	named		true (ByPropertyName)	false
DRARestServer [<String>] The name of the computer running the DRA REST Service. The requested DRA operation will execute on this server. If the parameter is not specified, the value defaults to 'localhost'.	false	named		true (ByPropertyName)	false
DRARestPort [<Int32>] The port number of the DRA REST Service. This parameter is only used when the DRARestServer parameter is also specified. If the parameter is not specified, the value defaults to 8755.	false	named	8755	true (ByPropertyName)	false
IgnoreCertificateErrors [<SwitchParameter>] Allows the request to bypass any SSL certificate errors, such as the InvalidOperation error that occurs when the REST Service is bound to a self-signed certificate.	false	named		false	false

Attribute / Description	Parameters / Values				
	Required	**Position**	**Default Value**	**Accept Pipeline input?**	**Accept wildcard characters?**
Force [<SwitchParameter>] Suppresses any request for user input and supplies a 'yes' response. For example: -Force with a delete request will perform the delete without presenting the confirmation request to the user.	false	named		false	false
Timeout [<Int32>] The number of seconds to wait before the request to the DRA REST server times out. To specify an infinite timeout, you can set this parameter to -1.	false	named	100 seconds	true (ByPropertyName)	false
<CommonParameters> Verbose, Debug, ErrorAction, ErrorVariable, WarningAction, WarningVariable, OutBuffer, PipelineVariable, and OutVariable. For more information, see About CommonParameters (http://go.microsoft.com/fwlink/?LinkID=113216).					

NOTE: For more information, type "`Get-Help New-DRAGroupRule -detailed`". For technical information, type "`Get-Help New-DRAGroupRule -full`".

Example 10-32 *1*

```
PS C:\>New-DRAGroupRule -Name "DRA Rule" -ActiveView "My AV"  -Object "*" -
OU "*" -Domain "*" -GroupTypes "Security" -GroupScopes "U"
```

This example creates a group rule named "DRA Rule" in an existing ActiveView named "My AV" with a list of members from all universal security groups in any OU, and in any domain.

New-DRAOURule

Synopsis

Creates an OU rule in the specified ActiveView.

Syntax

```
New-DRAOURule -ActiveView <String> -Name <String> [-Exclude
<SwitchParameter>] [-ExcludeChildOUs <SwitchParameter>] [-
RestrictUsageOnlyAllow <SwitchParameter>] [-RestrictUsageDoNotAllow
<SwitchParameter>] [-Comment <String>] [-ObjectsOnly <SwitchParameter>] [-
ObjectTypes <String[]>] [-OU <String>] [-OUMatchProperty <String>] [-Domain
<String>] [-DomainMatchProperty <String>] [-DRARestServer <String>] [-
DRARestPort <Int32>] [-IgnoreCertificateErrors <SwitchParameter>] [-Force
<SwitchParameter>] [-Timeout <Int32>] [<CommonParameters>]
```

Description

The New-DRAOURule cmdlet creates the requested OU rule in the specified ActiveView. You must have the appropriate powers, such as those included in the Manage Security Model role to run this cmdlet.

Parameters

Attribute / Description	Parameters / Values				
	Required	**Position**	**Default Value**	**Accept Pipeline input?**	**Accept wildcard characters?**
ActiveView [<String>] Name of the ActiveView that is associated with the rule.	true	named		true (ByPropertyName)	false
Name [<String>] Name of the ActiveView rule to be created.	true	named		true (ByPropertyName)	false
Exclude [<SwitchParameter>] Specifies whether the ActiveView rule includes or excludes objects. By default, objects are included in the ActiveView rule.	false	named		true (ByPropertyName)	false
ExcludeChildOUs [<SwitchParameter>] A switch parameter to request that the search exclude child organizational units. By default, child OUs are included.	false	named		true (ByPropertyName)	false
Comment [<String>] Specifies additional information about the ActiveView rule.	false	named		true (ByPropertyName)	false

Attribute / Description	Parameters / Values				
	Required	**Position**	**Default Value**	**Accept Pipeline input?**	**Accept wildcard characters?**
ObjectsOnly [<String>] Specifies whether to include only the matching objects or include both matching objects and OUs. By default, the rule includes both objects and OUs.	false	named		true (ByPropertyName)	false
ObjectTypes [<String[]>] The type of object that is managed by the rule. This parameter can have the following values: ◆ U or User ◆ G or Group ◆ CP or Computer ◆ CT or Contact ◆ DDG or DynamicDistributionGroup ◆ GMSA or GroupManagedServiceAccount ◆ RM or RoomMailbox ◆ EM or EquipmentMailbox ◆ SM or SharedMailbox ◆ OU or OrganizationalUnit ◆ All ◆ None You can specify more than one value separated by a comma. If you specify NONE, only OUs are included. By default, the rule includes all types of objects and OUs.	false	named		true (ByPropertyName)	false
Domain [<String>] The name of the domain to use when searching for objects. You can specify the exact domain name or a wildcard value.	false	named		true (ByPropertyName)	false

Attribute / Description	Parameters / Values				
	Required	**Position**	**Default Value**	**Accept Pipeline input?**	**Accept wildcard characters?**
DomainMatchProperty [<String>] The domain property to use when searching for objects. The value can be `McsNameValue` or `McsPath`.	false	named		true (ByPropertyName)	false
OU [<String>] The OU name to use when searching for objects. You can specify the exact OU name or a wildcard value.	false	named		true (ByPropertyName)	false
OUMatchProperty [<String>] The OU property to use when searching for objects. The value can be `McsNameValue` or `McsPath`.	false	named		true (ByPropertyName)	false
RestrictUsageOnlyAllow [<SwitchParameter>] Enables the objects included in the ActiveView rule to be cloned, moved, or added to other groups. If the value for the `RestrictUsageOnlyAllow` parameter is true, the cmdlet ignores the value that is specified for the `RestrictUsageDoNotAllow` parameter. The default value is false.	false	named		true (ByPropertyName)	false
RestrictUsageDoNotAllow [<SwitchParameter>] Restricts the objects included in the ActiveView rule from being cloned, moved, or added to groups. The default value is false.	false	named		true (ByPropertyName)	false

Attribute / Description	Parameters / Values				
	Required	**Position**	**Default Value**	**Accept Pipeline input?**	**Accept wildcard characters?**
DRARestServer [<String>] The name of the computer running the DRA REST Service. The requested DRA operation will execute on this server. If the parameter is not specified, the value defaults to 'localhost'.	false	named		true (ByPropertyName)	false
DRARestPort [<Int32>] The port number of the DRA REST Service. This parameter is only used when the DRARestServer parameter is also specified. If the parameter is not specified, the value defaults to 8755.	false	named	8755	true (ByPropertyName)	false
IgnoreCertificateErrors [<SwitchParameter>] Allows the request to bypass any SSL certificate errors, such as the InvalidOperation error that occurs when the REST Service is bound to a self-signed certificate.	false	named		false	false
Force [<SwitchParameter>] Suppresses any request for user input and supplies a 'yes' response. For example: -Force with a delete request will perform the delete without presenting the confirmation request to the user.	false	named		false	false
Timeout [<Int32>] The number of seconds to wait before the request to the DRA REST server times out. To specify an infinite timeout, you can set this parameter to -1.	false	named	100 seconds	true (ByPropertyName)	false

Attribute / Description	Parameters / Values				
	Required	Position	Default Value	Accept Pipeline input?	Accept wildcard characters?
<CommonParameters> Verbose, Debug, ErrorAction, ErrorVariable, WarningAction, WarningVariable, OutBuffer, PipelineVariable, and OutVariable. For more information, see About CommonParameters (http://go.microsoft.com/fwlink/?LinkID=113216).					

NOTE: For more information, type "`Get-Help New-DRAOURule -detailed`". For technical information, type "`Get-Help New-DRAOURule -full`".

Example 10-33 *1*

```
PS C:\>New-DRAOURule -Name "DRA OU Rule" -ActiveView "My AV" -OU "*" -
Domain "*" -ObjectTypes "User","Group"
```

This example creates an OU rule named "DRA OU Rule" in an existing ActiveView named "My AV" with a list of user and group objects in any OU, and in any domain.

New-DRAResourceMailboxRule

Synopsis

Creates a rule for resource mailbox in the specified ActiveView.

Syntax

```
New-DRAResourceMailBoxRule -ActiveView <String> -Name <String> [-Exclude
<SwitchParameter>] [-ExcludeChildOUs <SwitchParameter>] [-
RestrictUsageOnlyAllow <SwitchParameter>] [-RestrictUsageDoNotAllow
<SwitchParameter>] [-Comment <String>] [-Object <String>] [-
ObjectMatchProperty <String>] [-OU <String>] [-OUMatchProperty <String>]
[ResourceMailboxType <String>] [-Domain <String>] [-DomainMatchProperty
<String>] [-DRARestServer <String>] [-DRARestPort <Int32>] [-
IgnoreCertificateErrors <SwitchParameter>] [-Force <SwitchParameter>] [-
Timeout <Int32>] [<CommonParameters>]
```

Description

The New-DRAResourceMailboxRule cmdlet creates a rule for resource mailboxes in the specified ActiveView. You must have the appropriate powers, such as those included in the Manage Security Model role to run this cmdlet.

Parameters

Attribute / Description	Parameters / Values				
	Required	**Position**	**Default Value**	**Accept Pipeline input?**	**Accept wildcard characters?**
ActiveView <String> Name of the ActiveView to add the rule to.	true	named		true (ByPropertyName)	false
Name <String> Name of the ActiveView rule to be created.	true	named		true (ByPropertyName)	false
Exclude [<SwitchParameter>] Specifies whether the ActiveView rule includes or excludes objects. By default, objects are included in the ActiveView rule.	false	named		true (ByPropertyName)	false
ExcludeChildOUs [<SwitchParameter>] A switch parameter to request that the search exclude child organizational units. By default, child OUs are included.	false	named		true (ByPropertyName)	false
RestrictUsageOnlyAllow [<SwitchParameter>] Enables the objects included in the ActiveView rule to be cloned, moved, or added to other groups. If the value for the `RestrictUsageOnlyAllow` parameter is true, the cmdlet ignores the value that is specified for the `RestrictUsageDoNotAllow` parameter. The default value is false.	false	named		true (ByPropertyName)	false
RestrictUsageDoNotAllow [<SwitchParameter>] Restricts the objects included in the ActiveView rule from being cloned, moved, or added to groups. The default value is false.	false	named		true (ByPropertyName)	false

Attribute / Description	Parameters / Values				
	Required	**Position**	**Default Value**	**Accept Pipeline input?**	**Accept wildcard characters?**
Comment [<String>] Specifies additional information about the ActiveView rule.	false	named		true (ByPropertyName)	false
Object [<String>] The objects to be included in the ActiveView rule. By default, all objects are included in the ActiveView rule.	false	named		true (ByPropertyName)	false
ObjectMatchProperty [<String>] The object property to use when searching for objects. The value can be `userPrincipalName`, `samAccountName`, `McsNameValue` or `McsPath`.	false	named		true (ByPropertyName)	false
OU [<String>] The OU name to use when searching for objects. You can specify the exact OU name or a wildcard value.	false	named		true (ByPropertyName)	false
OUMatchProperty [<String>] The OU property to use when searching for objects. The value can be `McsNameValue` or `McsPath`.	false	named		true (ByPropertyName)	false
ResourceMailboxType [<String>] The resource mailbox type to manage. One of: ◆ R or Room ◆ E or Equipment ◆ All The default value is All.	true	named		true (ByPropertyName)	false
Domain [<String>] The name of the domain to use when searching for objects. You can specify the exact domain name or a wildcard value.	false	named		true (ByPropertyName)	false

Attribute / Description	Parameters / Values				
	Required	**Position**	**Default Value**	**Accept Pipeline input?**	**Accept wildcard characters?**
DomainMatchProperty [<String>] The domain property to use when searching for objects. The value can be `McsNameValue` or `McsPath`.	false	named		true (ByPropertyName)	false
DRARestServer [<String>] The name of the computer running the DRA REST Service. The requested DRA operation will execute on this server. If the parameter is not specified, the value defaults to 'localhost'.	false	named		true (ByPropertyName)	false
DRARestPort [<Int32>] The port number of the DRA REST Service. This parameter is only used when the DRARestServer parameter is also specified. If the parameter is not specified, the value defaults to 8755.	false	named	8755	true (ByPropertyName)	false
IgnoreCertificateErrors [<SwitchParameter>] Allows the request to bypass any SSL certificate errors, such as the InvalidOperation error that occurs when the REST Service is bound to a self-signed certificate.	false	named		false	false
Force [<SwitchParameter>] Suppresses any request for user input and supplies a 'yes' response. For example: -Force with a delete request will perform the delete without presenting the confirmation request to the user.	false	named		false	false

Attribute / Description	Parameters / Values				
	Required	**Position**	**Default Value**	**Accept Pipeline input?**	**Accept wildcard characters?**
Timeout [<Int32>] The number of seconds to wait before the request to the DRA REST server times out. To specify an infinite timeout, you can set this parameter to -1. ***<CommonParameters>*** Verbose, Debug, ErrorAction, ErrorVariable, WarningAction, WarningVariable, OutBuffer, PipelineVariable, and OutVariable. For more information, see About CommonParameters (http://go.microsoft.com/fwlink/?LinkID=113216).	false	named	100 seconds	true (ByPropertyName)	false

NOTE: For more information, type "`Get-Help New-DRAResourceMailboxRule -detailed`". For technical information, type "`Get-Help New-DRAResourceMailboxRule -full`".

Example 10-34 *1*

```
PS C:\> New-DRAResourceMailboxRule -Name "DRA  Rule" -ActiveView "My AV"  -
ResourceMailboxType  "All" -Object "*" -OU "*" -Domain "*"
```

This example creates a resource mailbox rule named "DRA Rule" in an existing ActiveView named "My AV" with a list of objects matching any resource mailbox type, the OU matching any OU, and the domain matching any domain.

New-DRASelfAdministrationRule

Synopsis

Creates a self administration rule in the specified ActiveView.

Syntax

```
New-DRASelfAdministrationRule -ActiveView <String> -Name <String> [-
Exclude <SwitchParameter>] [-RestrictUsageOnlyAllow <SwitchParameter>] [-
RestrictUsageDoNotAllow <SwitchParameter>] [-Comment <String>] [-
DRARestServer <String>] [-DRARestPort <Int32>] [-IgnoreCertificateErrors
<SwitchParameter>] [-Force <SwitchParameter>] [-Timeout <Int32>]
[<CommonParameters>]
```

Description

The New-DRASelfAdministration cmdlet creates the requested rule for self administration in the specified ActiveView. You must have the appropriate powers, such as those included in the Manage Security Model role to run this cmdlet.

Parameters

Attribute / Description	Parameters / Values				
	Required	**Position**	**Default Value**	**Accept Pipeline input?**	**Accept wildcard characters?**
ActiveView <String> Name of the ActiveView to add the rule to.	true	named		true (ByPropertyName)	false
Name <String> Name of the ActiveView rule to be created.	true	named		true (ByPropertyName)	false
Exclude [<SwitchParameter>] Specifies whether the ActiveView rule includes or excludes objects. By default, objects are included in the ActiveView rule.	false	named		true (ByPropertyName)	false
RestrictUsageOnlyAllow [<SwitchParameter>] Enables the objects included in the ActiveView rule to be cloned, moved, or added to other groups. If the value for the `RestrictUsageOnlyAllow` parameter is true, the cmdlet ignores the value that is specified for the `RestrictUsageDoNotAllow` parameter. The default value is false.	false	named		true (ByPropertyName)	false
RestrictUsageDoNotAllow [<SwitchParameter>] Restricts the objects included in the ActiveView rule from being cloned, moved, or added to groups. The default value is false.	false	named		true (ByPropertyName)	false
Comment [<String>] Specifies additional information about the ActiveView rule.	false	named		true (ByPropertyName)	false

Attribute / Description	Parameters / Values				
	Required	**Position**	**Default Value**	**Accept Pipeline input?**	**Accept wildcard characters?**
DRARestServer [<String>] The name of the computer running the DRA REST Service. The requested DRA operation will execute on this server. If the parameter is not specified, the value defaults to 'localhost'.	false	named		true (ByPropertyName)	false
DRARestPort [<Int32>] The port number of the DRA REST Service. This parameter is only used when the DRARestServer parameter is also specified. If the parameter is not specified, the value defaults to 8755.	false	named	8755	true (ByPropertyName)	false
IgnoreCertificateErrors [<SwitchParameter>] Allows the request to bypass any SSL certificate errors, such as the InvalidOperation error that occurs when the REST Service is bound to a self-signed certificate.	false	named		false	false
Force [<SwitchParameter>] Suppresses any request for user input and supplies a 'yes' response. For example: -Force with a delete request will perform the delete without presenting the confirmation request to the user.	false	named		false	false
Timeout [<Int32>] The number of seconds to wait before the request to the DRA REST server times out. To specify an infinite timeout, you can set this parameter to -1.	false	named	100 seconds	true (ByPropertyName)	false

Attribute / Description	Parameters / Values				
	Required	Position	Default Value	Accept Pipeline input?	Accept wildcard characters?
<CommonParameters> Verbose, Debug, ErrorAction, ErrorVariable, WarningAction, WarningVariable, OutBuffer, PipelineVariable, and OutVariable. For more information, see About CommonParameters (http://go.microsoft.com/fwlink/?LinkID=113216).					

NOTE: For more information, type "`Get-Help New-DRASelfAdministrationRule -detailed`". For technical information, type "`Get-Help New-DRASelfAdministrationRule -full`".

Example 10-35 *1*

```
PS C:\> New-DRASelfAdministrationRule -Name "DRA Self Administration Rule"
-ActiveView "My AV"
```

This example creates a self administration rule named "DRA Self Administration Rule" under an existing ActiveView "My AV".

New-DRASharedMailboxRule

Synopsis

Creates a shared mailbox rule in the specified ActiveView.

Syntax

```
New-DRASharedMailboxRule -ActiveView <String> -Name <String> [-Exclude
<SwitchParameter>] [-ExcludeChildOUs <SwitchParameter>] [-
RestrictUsageOnlyAllow <SwitchParameter>] [-RestrictUsageDoNotAllow
<SwitchParameter>] [-Comment <String>] [-Object <String>] [-
ObjectMatchProperty <String>] [-OU <String>] [-OUMatchProperty <String>] [-
Domain <String>] [-DomainMatchProperty <String>] [-DRARestServer <String>]
[-DRARestPort <Int32>] [-IgnoreCertificateErrors <SwitchParameter>] [-
Force <SwitchParameter>] [-Timeout <Int32>] [<CommonParameters>]
```

Description

The New-DRASharedMailboxRule cmdlet creates the requested rule for shared mailbox in the specified ActiveView. You must have the appropriate powers, such as those included in the Manage Security Model role to run this cmdlet.

Parameters

Attribute / Description	Parameters / Values				
	Required	**Position**	**Default Value**	**Accept Pipeline input?**	**Accept wildcard characters?**
ActiveView <String> Name of the ActiveView to add the rule to.	true	named		true (ByPropertyName)	false
Name <String> Name of the ActiveView rule to be created.	true	named		true (ByPropertyName)	false
Exclude [<SwitchParameter>] Specifies whether the ActiveView rule includes or excludes objects. By default, objects are included in the ActiveView rule.	false	named		true (ByPropertyName)	false
ExcludeChildOUs [<SwitchParameter>] A switch parameter to request that the search exclude child organizational units. By default, child OUs are included.	false	named		true (ByPropertyName)	false
RestrictUsageOnlyAllow [<SwitchParameter>] Enables the objects included in the ActiveView rule to be cloned, moved, or added to other groups. If the value for the `RestrictUsageOnlyAllow` parameter is true, the cmdlet ignores the value that is specified for the `RestrictUsageDoNotAllow` parameter. The default value is false.	false	named		true (ByPropertyName)	false
RestrictUsageDoNotAllow [<SwitchParameter>] Restricts the objects included in the ActiveView rule from being cloned, moved, or added to groups. The default value is false.	false	named		true (ByPropertyName)	false

Attribute / Description	Parameters / Values				
	Required	**Position**	**Default Value**	**Accept Pipeline input?**	**Accept wildcard characters?**
Comment [<String>] Specifies additional information about the ActiveView rule.	false	named		true (ByPropertyName)	false
Object [<String>] The objects to be included in the ActiveView rule. By default, all objects are included in the ActiveView rule.	false	named		true (ByPropertyName)	false
ObjectMatchProperty [<String>] The object property to use when searching for objects. The value can be `userPrincipalName`, `samAccountName`, `McsNameValue` or `McsPath`.	false	named		true (ByPropertyName)	false
OU [<String>] The OU name to use when searching for objects. You can specify the exact OU name or a wildcard value.	false	named		true (ByPropertyName)	false
OUMatchProperty [<String>] The OU property to use when searching for objects. The value can be `McsNameValue` or `McsPath`.	false	named		true (ByPropertyName)	false
Domain [<String>] The name of the domain to use when searching for objects. You can specify the exact domain name or a wildcard value.	false	named		true (ByPropertyName)	false
DomainMatchProperty [<String>] The domain property to use when searching for objects. The value can be `McsNameValue` or `McsPath`.	false	named		true (ByPropertyName)	false

Attribute / Description	Parameters / Values				
	Required	**Position**	**Default Value**	**Accept Pipeline input?**	**Accept wildcard characters?**
DRARestServer [<String>] The name of the computer running the DRA REST Service. The requested DRA operation will execute on this server. If the parameter is not specified, the value defaults to 'localhost'.	false	named		true (ByPropertyName)	false
DRARestPort [<Int32>] The port number of the DRA REST Service. This parameter is only used when the DRARestServer parameter is also specified. If the parameter is not specified, the value defaults to 8755.	false	named	8755	true (ByPropertyName)	false
IgnoreCertificateErrors [<SwitchParameter>] Allows the request to bypass any SSL certificate errors, such as the InvalidOperation error that occurs when the REST Service is bound to a self-signed certificate.	false	named		false	false
Force [<SwitchParameter>] Suppresses any request for user input and supplies a 'yes' response. For example: -Force with a delete request will perform the delete without presenting the confirmation request to the user.	false	named		false	false
Timeout [<Int32>] The number of seconds to wait before the request to the DRA REST server times out. To specify an infinite timeout, you can set this parameter to -1.	false	named	100 seconds	true (ByPropertyName)	false

Attribute / Description	Parameters / Values				
	Required	Position	Default Value	Accept Pipeline input?	Accept wildcard characters?
<CommonParameters> Verbose, Debug, ErrorAction, ErrorVariable, WarningAction, WarningVariable, OutBuffer, PipelineVariable, and OutVariable. For more information, see About CommonParameters (http://go.microsoft.com/fwlink/?LinkID=113216).					

NOTE: For more information, type "`Get-Help New-DRASharedMailboxRule -detailed`". For technical information, type "`Get-Help New-DRASharedMailboxRule -full`".

Example 10-36 *1*

```
PS C:\>New-DRASharedMailboxRule -Name "DRA Rule" -ActiveView "My AV" -
Object "*" -OU "*" -Domain "*"
```

This example creates a shared mailbox rule named "DRA Rule" under an existing ActiveView "My AV" with a list of shared mailboxes from all organizational units and all domains.

New-DRAOnlineSharedMailboxRule

Synopsis

Creates a rule for Online Shared Mailbox in the specified ActiveView.

Syntax

```
New-DRAOnlineSharedMailboxRule -ActiveView <String> -Name <String> [-
Exclude <SwitchParameter>] [-RestrictUsageOnlyAllow <SwitchParameter>] [-
RestrictUsageDoNotAllow <SwitchParameter>] [-Comment <String>] [-
Object<String>] [-ObjectMatchProperty <String>] [-AzureGroupsMatch
<String>] [AzureAUsMatch <String>][-Tenant <String>] [-TenantMatchProperty
<String>] [-DRARestServer <String>] [-DRARestPort <Int32>] [-
IgnoreCertificateErrors <SwitchParameter>] [-Force <SwitchParameter>] [-
Timeout <Int32>] [<CommonParameters>]
```

Description

The New-DRAOnlineSharedMailboxRule cmdlet creates the requested rule for Online Shared Mailbox in the specified ActiveView. You must have the appropriate powers, such as those included in the Manage Security Model role to run this cmdlet.

Parameters

Attribute / Description	Parameters / Values				
	Required	**Position**	**Default Value**	**Accept Pipeline input?**	**Accept wildcard characters?**
ActiveView <String> Name of the ActiveView to add the rule to.	true	named		true (ByPropertyName)	false
Name <String> Name of the ActiveView rule to be created.	true	named		true (ByPropertyName)	false
Exclude [<SwitchParameter>] Specifies whether the ActiveView rule includes or excludes objects. By default, objects are included in the ActiveView rule.	false	named		true (ByPropertyName)	false
RestrictUsageOnlyAllow [<SwitchParameter>] Enables the objects included in the ActiveView rule to be cloned, moved, or added to other groups. If the value for the `RestrictUsageOnlyAllow` parameter is true, the cmdlet ignores the value that is specified for the `RestrictUsageDoNotAllow` parameter. The default value is false.	false	named		true (ByPropertyName)	false
RestrictUsageDoNotOnlyAllow [<SwitchParameter>] Restricts the objects included in the ActiveView rule from being cloned, moved, or added to groups. The default value is false.	false	named		true (ByPropertyName)	false
Comment [<String>] Specifies additional information about the ActiveView rule.	false	named		true (ByPropertyName)	false

Attribute / Description	Parameters / Values				
	Required	**Position**	**Default Value**	**Accept Pipeline input?**	**Accept wildcard characters?**
Object [<String>] The objects to be included in the ActiveView rule. By default, all objects are included in the ActiveView rule.	false	named		true (ByPropertyName)	false
ObjectMatchProperty [<String>] The object property to use when searching for objects. The value can be `McsNameValue`, `userPrincipalName`, `McsPath` or `Department`.	false	named		true (ByPropertyName)	false
AzureAUsMatch<Strting> The AU name to use when searching for objects You can specify the exact dn of the AU name or a wildcard value. For more information, see About CommonParameters (http://go.microsoft.com/fwlink/?LinkID=113216).	false	named		true (ByPropertyName)	false
AzureGroupsMatch [<String>] The Entra ID group to include when searching for objects. You can specify the exact Entra ID group name or a wildcard value.	false	named		true (ByPropertyName)	false
Tenant [<String>] The name of the tenant to use when searching for objects. You can specify the exact tenant name or a wildcard value.	false	named		true (ByPropertyName)	false
TenantMatchProperty [<String>] The tenant property to use when searching for objects. The value can be `McsFriendlyName` or `McsPath`.	false	named		true (ByPropertyName)	false

Attribute / Description	Parameters / Values				
	Required	**Position**	**Default Value**	**Accept Pipeline input?**	**Accept wildcard characters?**
DRARestServer [<String>] The name of the computer running the DRA REST Service. The requested DRA operation will execute on this server. If the parameter is not specified, the value defaults to 'localhost'.	false	named		true (ByPropertyName)	false
DRARestPort [<Int32>] The port number of the DRA REST Service. This parameter is only used when the DRARestServer parameter is also specified. If the parameter is not specified, the value defaults to 8755.	false	named	8755	true (ByPropertyName)	false
IgnoreCertificateErrors [<SwitchParameter>] Allows the request to bypass any SSL certificate errors, such as the InvalidOperation error that occurs when the REST Service is bound to a self-signed certificate.	false	named		false	false
Force [<SwitchParameter>] Suppresses any request for user input and supplies a 'yes' response. For example: -Force with a delete request will perform the delete without presenting the confirmation request to the user.	false	named		false	false
Timeout [<Int32>] The number of seconds to wait before the request to the DRA REST server times out. To specify an infinite timeout, you can set this parameter to -1.	false	named	100 seconds	true (ByPropertyName)	false

Attribute / Description	Parameters / Values				
	Required	**Position**	**Default Value**	**Accept Pipeline input?**	**Accept wildcard characters?**
<CommonParameters> Verbose, Debug, ErrorAction, ErrorVariable, WarningAction, WarningVariable, OutBuffer, PipelineVariable, and OutVariable. For more information, see About CommonParameters (http://go.microsoft.com/fwlink/?LinkID=113216).					

NOTE: For more information, type "`Get-Help New-DRAOnlineSharedMailboxRule -detailed`". For technical information, type "`Get-Help New-DRAOnlineSharedMailbox -full`".

Example 10-37 *1*

```
PS C:\\>New-DRAOnlineSharedMailboxRule -Name "DRA Online SharedMailbox
Rule" -ActiveView "My AV" -Object "*" -Tenant "*"
```

This example creates an online shared mailbox rule named "DRA Online SharedMailbox Rule" under an existing ActiveView "My AV" with a list of online shared mailboxes from all tenants.

Example 10-38 *2*

```
PS C:\\>New-DRAOnlineSharedMailboxRule -Name "DRA Online SharedMailbox
Rule" -ActiveView "My AV" -Object "*" -Tenant "az=NetIQ" -
TenantMatchProperty "mcsPath"
```

This example creates an online shared mailbox rule named "DRA Online SharedMailbox Rule" under an existing ActiveView "My AV" with a list of online shared mailboxes from the Entra ID tenant matching the identifier "az=NetIQ".

Example 10-39 *3*

```
New-DRAOnlineSharedMailboxRule -ActiveView MyAV -Name 1EA3 -Object EA3 -
ObjectMatchProperty Extensionattribute3
```

This example creates an online shared mailbox rule named "1EA3" under an existing ActiveView "MyAV" with a list of online shared mailboxes where the "ExtensionAttribute3" property matches "EA3".

New-DRAUserRule

Synopsis

Creates a user rule in the specified ActiveView.

Syntax

```
New-DRAUserRule -ActiveView <String> -Name <String> [-Exclude
<SwitchParameter>] [-ExcludeChildOUs <SwitchParameter>] [-
RestrictUsageOnlyAllow <SwitchParameter>] [-RestrictUsageDoNotAllow
<SwitchParameter>] [-Comment <String>] [-Object <String>] [-
ObjectMatchProperty <String>] [-GroupsMatch <String>] [-OU <String>] [-
OUMatchProperty <String>] [-Domain <String>] [-DomainMatchProperty
<String>] [-MemberServer <SwitchParameter>] [-DRARestServer <String>] [-
DRARestPort <Int32>] [-IgnoreCertificateErrors <SwitchParameter>] [-Force
<SwitchParameter>] [-Timeout <Int32>] [<CommonParameters>]
```

Description

The New-DRAUserRule cmdlet creates the requested user rule in the specified ActiveView. You must have the appropriate powers, such as those included in the Manage Security Model role to run this cmdlet.

Parameters

Attribute / Description	Parameters / Values				
	Required	**Position**	**Default Value**	**Accept Pipeline input?**	**Accept wildcard characters?**
ActiveView <String> Name of the ActiveView to add the rule to.	true	named		true (ByPropertyName)	false
Name <String> Name of the ActiveView rule to be created.	true	named		true (ByPropertyName)	false
Exclude [<SwitchParameter>] Specifies whether the ActiveView rule includes or excludes objects. By default, objects are included in the ActiveView rule.	false	named		true (ByPropertyName)	false

Attribute / Description	Parameters / Values				
	Required	**Position**	**Default Value**	**Accept Pipeline input?**	**Accept wildcard characters?**
ExcludeChildOUs [<SwitchParameter>] A switch parameter to request that the search exclude child organizational units. By default, child OUs are included.	false	named		true (ByPropertyName)	false
RestrictUsageOnlyAllow [<SwitchParameter>] Enables the objects included in the ActiveView rule to be cloned, moved, or added to other groups. If the value for the `RestrictUsageOnlyAllow` parameter is true, the cmdlet ignores the value that is specified for the `RestrictUsageDoNotAllow` parameter. The default value is false.	false	named		true (ByPropertyName)	false
RestrictUsageDoNotAllow [<SwitchParameter>] Restricts the objects included in the ActiveView rule from being cloned, moved, or added to groups. The default value is false.	false	named		true (ByPropertyName)	false
Comment [<String>] Specifies additional information about the ActiveView rule.	false	named		true (ByPropertyName)	false
Object [<String>] The objects to be included in the ActiveView rule. By default, all objects are included in the ActiveView rule.	false	named		true (ByPropertyName)	false
ObjectMatchProperty [<String>] The object property to use when searching for objects. The value can be `userPrincipalName`, `samAccountName`, `McsNameValue` or `McsPath`.	false	named		true (ByPropertyName)	false

Attribute / Description	Parameters / Values				
	Required	**Position**	**Default Value**	**Accept Pipeline input?**	**Accept wildcard characters?**
GroupsMatch [<String>] The group to include when searching for objects. You can specify the exact group name or a wildcard value.	false	named		true (ByPropertyName)	false
OU [<String>] The OU name to use when searching for objects. You can specify the exact OU name or a wildcard value.	false	named		true (ByPropertyName)	false
OUMatchProperty [<String>] The OU property to use when searching for objects. The value can be `McsNameValue` or `McsPath`.	false	named		true (ByPropertyName)	false
Domain [<String>] The name of the domain to use when searching for objects. You can specify the exact domain name or a wildcard value.	false	named		true (ByPropertyName)	false
DomainMatchProperty [<String>] The domain property to use when searching for objects. The value can be `McsNameValue` or `McsPath`.	false	named		true (ByPropertyName)	false
MemberServer [<SwitchParameter>] A switch parameter to request that the search include member servers when searching for objects. The default value is false. The search operation uses the values specified in the `Domain` and `DomainMatchProperty` parameters as the search criteria.	false	named		true (ByPropertyName)	false

Attribute / Description	Parameters / Values				
	Required	**Position**	**Default Value**	**Accept Pipeline input?**	**Accept wildcard characters?**
DRARestServer [<String>] The name of the computer running the DRA REST Service. The requested DRA operation will execute on this server. If the parameter is not specified, the value defaults to 'localhost'.	false	named		true (ByPropertyName)	false
DRARestPort [<Int32>] The port number of the DRA REST Service. This parameter is only used when the DRARestServer parameter is also specified. If the parameter is not specified, the value defaults to 8755.	false	named	8755	true (ByPropertyName)	false
IgnoreCertificateErrors [<SwitchParameter>] Allows the request to bypass any SSL certificate errors, such as the InvalidOperation error that occurs when the REST Service is bound to a self-signed certificate.	false	named		false	false
Force [<SwitchParameter>] Suppresses any request for user input and supplies a 'yes' response. For example: -Force with a delete request will perform the delete without presenting the confirmation request to the user.	false	named		false	false
Timeout [<Int32>] The number of seconds to wait before the request to the DRA REST server times out. To specify an infinite timeout, you can set this parameter to -1.	false	named	100 seconds	true (ByPropertyName)	false

Attribute / Description	Parameters / Values				
	Required	Position	Default Value	Accept Pipeline input?	Accept wildcard characters?
<CommonParameters> Verbose, Debug, ErrorAction, ErrorVariable, WarningAction, WarningVariable, OutBuffer, PipelineVariable, and OutVariable. For more information, see About CommonParameters (http://go.microsoft.com/fwlink/?LinkID=113216).					

NOTE: For more information, type "`Get-Help New-DRAUserRule -detailed`". For technical information, type "`Get-Help New-DRAUserRule -full`".

Example 10-40 *1*

```
PS C:\> New-DRAUserRule -Name "DRA Rule" -ActiveView "My AV"  -Object "*" -
OU "*" -Domain "*"
```

This example creates a user rule named "DRA Rule" under an existing ActiveView "My AV" with a list of users from all organizational units and all domains.

Remove-DRAAssignments

Synopsis

Removes a delegation assignment from assistant administrators.

Syntax

```
Remove-DRAAssignments -Identifier <String> [-AssistantAdmin <String>] [-
Roles <String[]>] [-Powers <String[]>] [-DRARestServer <String>] [-
DRARestPort <Int32>] [-IgnoreCertificateErrors <SwitchParameter>] [-Force
<SwitchParameter>] [-Timeout <Int32>] [<CommonParameters>]
```

Description

The Remove-DRAAssignments cmdlet removes an ActiveView assignment and any associated roles or powers from an assistant administrator or Assistant Admin group.

Parameters

Attribute / Description	Parameters / Values				
	Required	**Position**	**Default Value**	**Accept Pipeline input?**	**Accept wildcard characters?**
Identifier <String> An existing ActiveView scope specified by name.	true	named		true (ByPropertyName)	false
AssistantAdmin [<String>] A delegated assistant administrator or group, specified by a user or group distinguished name, or an Assistant Admin group name.	false	named		true (ByPropertyName)	false
Roles [<String>] One or more delegated roles, specified by name or * for all assigned roles.	false	named		true (ByPropertyName)	false
Powers [<String>] One or more delegated powers, specified by name or * for all assigned powers.	false	named		true (ByPropertyName)	false
DRARestServer [<String>] The name of the computer running the DRA REST Service. The requested DRA operation will execute on this server. If the parameter is not specified, the value defaults to 'localhost'.	false	named		true (ByPropertyName)	false
DRARestPort [<Int32>] The port number of the DRA REST Service. This parameter is only used when the DRARestServer parameter is also specified. If the parameter is not specified, the value defaults to 8755.	false	named	8755	true (ByPropertyName)	false

Attribute / Description	Parameters / Values				
	Required	**Position**	**Default Value**	**Accept Pipeline input?**	**Accept wildcard characters?**
IgnoreCertificateErrors [<SwitchParameter>] Allows the request to bypass any SSL certificate errors, such as the InvalidOperation error that occurs when the REST Service is bound to a self-signed certificate.	false	named		false	false
Force [<SwitchParameter>] Suppresses any request for user input and supplies a 'yes' response. For example: -Force with a delete request will perform the delete without presenting the confirmation request to the user.	false	named		false	false
Timeout [<Int32>] The number of seconds to wait before the request to the DRA REST server times out. To specify an infinite timeout, you can set this parameter to -1.	false	named	100 seconds	true (ByPropertyName)	false
<CommonParameters> Verbose, Debug, ErrorAction, ErrorVariable, WarningAction, WarningVariable, OutBuffer, PipelineVariable, and OutVariable. For more information, see About CommonParameters (http://go.microsoft.com/fwlink/?LinkID=113216).					

NOTE: For more information, type "`Get-Help Remove-DRAAssignments -detailed`". For technical information, type "`Get-Help Remove-DRAAssignments -full`".

Example 10-41 *1*

```
PS C:\>Remove-DRAAssignments -Identifier AV1 -AssistantAdmin
"CN=MyUser,OU=Users,OU=ABC,OU=ABC-Parent,DC=MYDOMAIN,DC=corp" -Roles
"Audit Users and Groups"
```

This example removes MyUser from the “AV1” ActiveView and from the “Audit Users and Groups” role. Using a * such as `-Roles *` or `-Powers *` will do a remove all.

Remove-DRAActiveView

Synopsis

Removes the ActiveView specified by the `Identifier` parameter.

Syntax

```
Remove-DRAActiveView -Identifier <String> [-DRARestServer <String>] [-
DRARestPort <Int32>] [-IgnoreCertificateErrors <SwitchParameter>] [-Force
<SwitchParameter>] [-Timeout <Int32>] [<CommonParameters>]
```

Description

The Remove-DRAActiveView cmdlet deletes the requested ActiveView.

Parameters

Attribute / Description	Parameters / Values				
	Required	**Position**	**Default Value**	**Accept Pipeline input?**	**Accept wildcard characters?**
Identifier <String> An existing ActiveView scope specified by name.	true	named		true (ByPropertyName)	false
DRARestServer [<String>] The name of the computer running the DRA REST Service. The requested DRA operation will execute on this server. If the parameter is not specified, the value defaults to 'localhost'.	false	named		true (ByPropertyName)	false
DRARestPort [<Int32>] The port number of the DRA REST Service. This parameter is only used when the DRARestServer parameter is also specified. If the parameter is not specified, the value defaults to 8755.	false	named	8755	true (ByPropertyName)	false
IgnoreCertificateErrors [<SwitchParameter>] Allows the request to bypass any SSL certificate errors, such as the InvalidOperation error that occurs when the REST Service is bound to a self-signed certificate.	false	named		false	false

Attribute / Description	Parameters / Values				
	Required	**Position**	**Default Value**	**Accept Pipeline input?**	**Accept wildcard characters?**
Force [<SwitchParameter>] Suppresses any request for user input and supplies a 'yes' response. For example: -Force with a delete request will perform the delete without presenting the confirmation request to the user.	false	named		false	false
Timeout [<Int32>] The number of seconds to wait before the request to the DRA REST server times out. To specify an infinite timeout, you can set this parameter to -1.	false	named	100 seconds	true (ByPropertyName)	false
<CommonParameters> Verbose, Debug, ErrorAction, ErrorVariable, WarningAction, WarningVariable, OutBuffer, PipelineVariable, and OutVariable. For more information, see About CommonParameters (http://go.microsoft.com/fwlink/?LinkID=113216).					

NOTE: For more information, type "`Get-Help Remove-DRAActiveView -detailed`". For technical information, type "`Get-Help Remove-DRAActiveView -full`".

Example 10-42 *1*

```
PS C:\>Remove-DRAActiveView -Identifier "MyAV"
```

This example deletes the ActiveView named “MyAV”.

Remove-DRAActiveViewRule

Synopsis

Removes a rule from an ActiveView.

Syntax

```
Remove-DRAActiveViewRule -Identifier <String> -Rules <String[]> [-
DRARestServer <String>] [-DRARestPort <Int32>] [-IgnoreCertificateErrors
<SwitchParameter>] [-Force <SwitchParameter>] [-Timeout <Int32>]
[<CommonParameters>]
```

Description

The Remove-DRAActiveViewRule cmdlet deletes the requested rule from the specified ActiveView.

Parameters

Attribute / Description	Parameters / Values				
	Required	**Position**	**Default Value**	**Accept Pipeline input?**	**Accept wildcard characters?**
Identifier <String> An existing ActiveView scope specified by name.	true	named		true (ByPropertyName)	false
Rules <String[]> Name of the rule to be removed from the ActiveView. You can specify more than one rule separated by a comma.	true	named		true (ByPropertyName)	false
DRARestServer [<String>] The name of the computer running the DRA REST Service. The requested DRA operation will execute on this server. If the parameter is not specified, the value defaults to 'localhost'.	false	named		true (ByPropertyName)	false
DRARestPort [<Int32>] The port number of the DRA REST Service. This parameter is only used when the DRARestServer parameter is also specified. If the parameter is not specified, the value defaults to 8755.	false	named	8755	true (ByPropertyName)	false

Attribute / Description	Parameters / Values				
	Required	**Position**	**Default Value**	**Accept Pipeline input?**	**Accept wildcard characters?**
IgnoreCertificateErrors [<SwitchParameter>] Allows the request to bypass any SSL certificate errors, such as the InvalidOperation error that occurs when the REST Service is bound to a self-signed certificate.	false	named		false	false
Force [<SwitchParameter>] Suppresses any request for user input and supplies a 'yes' response. For example: -Force with a delete request will perform the delete without presenting the confirmation request to the user.	false	named		false	false
Timeout [<Int32>] The number of seconds to wait before the request to the DRA REST server times out. To specify an infinite timeout, you can set this parameter to -1. ***<CommonParameters>*** Verbose, Debug, ErrorAction, ErrorVariable, WarningAction, WarningVariable, OutBuffer, PipelineVariable, and OutVariable. For more information, see About CommonParameters (http://go.microsoft.com/fwlink/?LinkID=113216).	false	named	100 seconds	true (ByPropertyName)	false

NOTE: For more information, type "`Get-Help Remove-DRAActiveViewRule -detailed`". For technical information, type "`Get-Help Remove-DRAActiveViewRule -full`".

Example 10-43 *1*

```
PS C:\>Remove-DRAActiveViewRule -Identifier "MyAV" -Rules "User Rule"
```

This example deletes the rule named “User Rule” from the ActiveView named “MyAV”.

11 Device Commands

This section contains Help information for cmdlets you can execute for the objects that are shared.

- "Disable-DRADevice" on page 293
- "Enable-DRADevice" on page 295
- "Get-DRADevice" on page 298
- "Set-DRADevice" on page 302

- "Disable-DRADevice" on page 293
- "Enable-DRADevice" on page 295
- "Get-DRADevice" on page 298
- "Set-DRADevice" on page 302

Disable-DRADevice

Synopsis

Disable a device object.

Syntax

```
Disable-DRADevice -Domain <String> -Identifier <String> [-DRARestServer
<String>] [-DRARestPort <Int32>] [-IgnoreCertificateErrors
<SwitchParameter>] [-Force <SwitchParameter>] [-Timeout <Int32>]
[<CommonParameters>]
```

Description

The Disable-DRADevice cmdlet disables the requested device. The requesting user must have the Stop Device power.

Parameters

Attribute / Description	Parameters / Values				
	Required	**Position**	**Default Value**	**Accept Pipeline input?**	**Accept wildcard characters?**
Identifier [<String>] The name or distinguished name of an existing Active Directory object. When the name is specified, an additional call to the DRA Server is needed to obtain the distinguished name for the object.	true	named		true (ByPropertyName)	false
Domain <String> The domain of the object in FQDN format. For example: `mydomain.corp`	true	named		false	false
DRARestServer [<String>] The name of the computer running the DRA REST Service. The requested DRA operation will be sent to the REST Service running on the specified computer. If this parameter is not specified, then the cmdlet will attempt to discover a DRA REST Service to use.	false	named		true (ByPropertyName)	false
DRARestPort [<Int32>] The port number of the DRA REST Service. This parameter is only used when the DRARestServer parameter is also specified. If the DRARestServer parameter is specified but the DRARestPort is not, 8755 will be used as the default REST port.	false	named	8755	true (ByPropertyName)	false
IgnoreCertificateErrors [<SwitchParameter>] Allows the request to bypass any SSL certificate errors, such as the InvalidOperation error that occurs when the REST Service is bound to a self-signed certificate.	false	named		false	false

Attribute / Description	Parameters / Values				
	Required	**Position**	**Default Value**	**Accept Pipeline input?**	**Accept wildcard characters?**
Force [<SwitchParameter>] Suppresses any request for user input and supplies a 'yes' response. For example: -Force with a delete request will perform the delete without presenting the confirmation request to the user.	false	named		false	false
Timeout [<Int32>] The number of seconds to wait before the request to the DRA REST server times out. To specify an infinite timeout, you can set this parameter to -1. ***<CommonParameters>*** Verbose, Debug, ErrorAction, ErrorVariable, WarningAction, WarningVariable, OutBuffer, PipelineVariable, and OutVariable. For more information, see About CommonParameters (http://go.microsoft.com/fwlink/?LinkID=113216).	false	named	100 seconds	true (ByPropertyName)	false

NOTE: For more information, type "`Get-Help Disable-DRADevice -detailed`". For technical information, type "`Get-Help Disable-DRADevice -full`".

Example 11-1 *1*

```
PS C:\>Disable-DRADevice -Domain MyDomain.corp -Identifier
"CN=MyDevice,CN=COMPUTER123,CN=Computers,DC=MyDomain,DC=corp"
```

This command example disables the device named MyDevice. The identifier contains the distinguished name for the device.

Enable-DRADevice

Synopsis

Enables a device object.

Syntax

```
Enable-DRADevice -Domain <String> -Identifier <String> [-DRARestServer
<String>] [-DRARestPort <Int32>] [-IgnoreCertificateErrors
<SwitchParameter>] [-Force <SwitchParameter>] [-Timeout <Int32>]
[<CommonParameters>]
```

Description

The Enable-DRADevice cmdlet enables the requested device. The requesting user must have the Start Device power.

Parameters

Attribute / Description	Parameters / Values				
	Required	**Position**	**Default Value**	**Accept Pipeline input?**	**Accept wildcard characters?**
Identifier [<String>] The name or distinguished name of an existing Active Directory object. When the name is specified, an additional call to the DRA Server is needed to obtain the distinguished name for the object.	true	named		true (ByPropertyName)	false
Domain <String> The domain of the object in FQDN format. For example: `mydomain.corp`	true	named		false	false
DRARestServer [<String>] The name of the computer running the DRA REST Service. The requested DRA operation will be sent to the REST Service running on the specified computer. If this parameter is not specified, then the cmdlet will attempt to discover a DRA REST Service to use.	false	named		true (ByPropertyName)	false

Attribute / Description	Parameters / Values				
	Required	**Position**	**Default Value**	**Accept Pipeline input?**	**Accept wildcard characters?**
DRARestPort [<Int32>] The port number of the DRA REST Service. This parameter is only used when the DRARestServer parameter is also specified. If the DRARestServer parameter is specified but the DRARestPort is not, 8755 will be used as the default REST port.	false	named	8755	true (ByPropertyName)	false
IgnoreCertificateErrors [<SwitchParameter>] Allows the request to bypass any SSL certificate errors, such as the InvalidOperation error that occurs when the REST Service is bound to a self-signed certificate.	false	named		false	false
Force [<SwitchParameter>] Suppresses any request for user input and supplies a 'yes' response. For example: -Force with a delete request will perform the delete without presenting the confirmation request to the user.	false	named		false	false
Timeout [<Int32>] The number of seconds to wait before the request to the DRA REST server times out. To specify an infinite timeout, you can set this parameter to -1. ***<CommonParameters>*** Verbose, Debug, ErrorAction, ErrorVariable, WarningAction, WarningVariable, OutBuffer, PipelineVariable, and OutVariable. For more information, see About CommonParameters (http://go.microsoft.com/fwlink/?LinkID=113216).	false	named	100 seconds	true (ByPropertyName)	false

NOTE: For more information, type "`Get-Help Enable-DRADevice -detailed`". For technical information, type "`Get-Help Enable-DRADevice -full`".

Example 11-2 *1*

```
PS C:\>Enable-DRADevice -Domain MyDomain.corp -Identifier
"CN=MyDevice,CN=COMPUTER123,CN=Computers,DC=MyDomain,DC=corp"
```

This command example enables the device named MyDevice. The identifier contains the distinguished name for the device.

Get-DRADevice

Synopsis

Lists the properties of a computer's device object(s).

Syntax

```
Get-DRADevice -Domain <String> -Identity <String> [-Name <String>] [-
ContainerDN <String>] [-EnforceServerLimit <SwitchParameter>] [-
IncludeChildContainers <SwitchParameter>] [-ObjectsPerResponse <Int32>] [-
ResumeString <String>] [-Attributes <String[]>] [-DRARestServer <String>]
[-DRARestPort <Int32>] [-IgnoreCertificateErrors <SwitchParameter>] [-
Force <SwitchParameter>] [-Timeout <Int32>] [<CommonParameters>]
```

Description

Specify the target computer using the distinguishedName. The Get-DRADevice cmdlet returns a list of the device objects. When -Name is specified, returns a list of the device object's properties.

Parameters

Attribute / Description	Parameters / Values				
	Required	**Position**	**Default Value**	**Accept Pipeline input?**	**Accept wildcard characters?**
Domain [<String>]	true	named		false	false
The domain of the object in FQDN format. For example: `mydomain.corp`					
Identity [<String>]	true	named		true (ByPropertyName)	false
The distinguished name of an existing computer object. For example: `CN=COMPUTER123,CN=Computers,DC=DRDOM123,DC=com`					

Attribute / Description	Parameters / Values				
	Required	**Position**	**Default Value**	**Accept Pipeline input?**	**Accept wildcard characters?**
Name [<String>] The Name parameter specifies the name of a computer resource. For example, "MyShare" for a file share, "MCSAdminSvc" for a service or, "Application" for an event log.	false	named		true (ByPropertyName)	false
Container <String> The full path to the container to search in distinguished name format. For example: `-ContainerDN "OU=Accounting,DC=MyDomain,DC=corp"`	false	named		false	false
EnforceServerLimit [<SwitchParameter>] A switch parameter to indicate that the search results should be limited by the search result limit on the DRA Server. The typical server limit is 1000 items. The default is true.	false	named		false	false
IncludeChildContainers [<SwitchParameter>] A switch parameter to request that the search include child containers. The default is false: only the container named in the ContainerDN parameter is searched.	false	named		false	false
ObjectsPerResponse [<Nullable`1>] The number of objects to return in a response. The default is 250.	false	named		false	false

Attribute / Description	Parameters / Values				
	Required	**Position**	**Default Value**	**Accept Pipeline input?**	**Accept wildcard characters?**
ResumeString [<String>] When multiple responses are needed to return all of the search results to the client, this parameter indicates the last item returned from the server. The value of this parameter would be set using the ResumeString property from the previous set of results. The ResumeString may look like this: `"CN=MYUser160,CN=Users, DC=MyDomain,DC=corp"` The `EnforceServerLimit`, `ObjectsPerResponse`, and `ResumeString` parameters are applicable only when the `Identifier` parameter is not specified.	false	named		false	false
Attributes [<String[]>] An array of attributes to retrieve specific values. If this parameter is missing, a default list of properties is returned.	false	named		true (ByPropertyName)	false
DRARestServer [<String>] The name of the computer running the DRA REST Service. The requested DRA operation will be sent to the REST Service running on the specified computer. If this parameter is not specified, then the cmdlet will attempt to discover a DRA REST Service to use.	false	named		true (ByPropertyName)	false
DRARestPort [<Int32>] The port number of the DRA REST Service. This parameter is only used when the DRARestServer parameter is also specified. If the DRARestServer parameter is specified but the DRARestPort is not, 8755 will be used as the default REST port.	false	named	8755	true (ByPropertyName)	false

Attribute / Description	Parameters / Values				
	Required	**Position**	**Default Value**	**Accept Pipeline input?**	**Accept wildcard characters?**
IgnoreCertificateErrors [<SwitchParameter>] Allows the request to bypass any SSL certificate errors, such as the InvalidOperation error that occurs when the REST Service is bound to a self-signed certificate.	false	named		false	false
Force [<SwitchParameter>] Suppresses any request for user input and supplies a 'yes' response. For example: -Force with a delete request will perform the delete without presenting the confirmation request to the user.	false	named		false	false
Timeout [<Int32>] The number of seconds to wait before the request to the DRA REST server times out. To specify an infinite timeout, you can set this parameter to -1.	false	named	100 seconds	true (ByPropertyName)	false
<CommonParameters> Verbose, Debug, ErrorAction, ErrorVariable, WarningAction, WarningVariable, OutBuffer, PipelineVariable, and OutVariable. For more information, see About CommonParameters (http://go.microsoft.com/fwlink/?LinkID=113216).					

NOTE: For more information, type "`Get-Help Get-DRADevice -detailed`". For technical information, type "`Get-Help Get-DRADevice -full`".

Example 11-3 *1*

```
PS C:\>Get-DRADevice -Domain MyDomain.corp -Identity
"CN=COMPUTER123,CN=Computers,DC=MyDomain,DC=corp"
```

This command example returns a list of device objects that belong to the computer named COMPUTER123 in MyDomain.corp.

Example 11-4 *2*

```
PS C:\>Get-DRADevice -Domain MyDomain.corp -Identity
"CN=COMPUTER123,CN=Computers,DC=MyDomain,DC=corp" -Name "MyDevice"
```

This command example returns a list of MyDevice properties on the computer COMPUTER123 in MyDomain.corp.

Set-DRADevice

Synopsis

Updates the properties of the computer device specified by the Identifier parameter.

Syntax

```
Set-DRADevice -Domain <String> -Properties <Hashtable> -Identifier <String>
[-DRARestServer <String>] [-DRARestPort <Int32>] [-IgnoreCertificateErrors
<SwitchParameter>] [-Force <SwitchParameter>] [-Timeout <Int32>]
[<CommonParameters>]
```

Description

The Set-DRADevice cmdlet modifies the requested device object of a computer. The requesting device must have Modify Device powers for each of the properties sent in the request.

Parameters

Attribute / Description	Parameters / Values				
	Required	**Position**	**Default Value**	**Accept Pipeline input?**	**Accept wildcard characters?**
Properties <Hashtable> A hashtable of property values. The key is the name of a defined attribute in the REST interface. For example: `-Properties @{Attribute1DRADisplayName="my value"; Attribute2DRADisplayName=value}` Multiple values are specified as a comma-separated list. For example: `-Properties @{Attribute1DRADisplayName=value1, value2}` If the property name contains non-alphanumeric characters it needs to be quoted. For example: `-Properties @{"Attribute1-DRA-DisplayName"=value}` If the property value contains a quote it needs to be escaped with a backtick (`).  For example: `-Properties @{Attribute1DRADisplayName="`"sample`" value"}`	true	named		true (ByPropertyName)	false
Identifier [<String>] The name or distinguished name of an existing Active Directory object. When the name is specified, an additional call to the DRA Server is needed to obtain the distinguished name for the object.	true	named		true (ByPropertyName)	false
Domain <String> The domain of the object in FQDN format. For example: `mydomain.corp`	true	named		true (ByPropertyName)	false

Attribute / Description	Parameters / Values				
	Required	**Position**	**Default Value**	**Accept Pipeline input?**	**Accept wildcard characters?**
DRARestServer [<String>] The name of the computer running the DRA REST Service. The requested DRA operation will be sent to the REST Service running on the specified computer. If this parameter is not specified, then the cmdlet will attempt to discover a DRA REST Service to use.	false	named		true (ByPropertyName)	false
DRARestPort [<Int32>] The port number of the DRA REST Service. This parameter is only used when the DRARestServer parameter is also specified. If the DRARestServer parameter is specified but the DRARestPort is not, 8755 will be used as the default REST port.	false	named	8755	true (ByPropertyName)	false
IgnoreCertificateErrors [<SwitchParameter>] Allows the request to bypass any SSL certificate errors, such as the InvalidOperation error that occurs when the REST Service is bound to a self-signed certificate.	false	named		false	false
Force [<SwitchParameter>] Suppresses any request for user input and supplies a 'yes' response. For example: -Force with a delete request will perform the delete without presenting the confirmation request to the user.	false	named		false	false
Timeout [<Int32>] The number of seconds to wait before the request to the DRA REST server times out. To specify an infinite timeout, you can set this parameter to -1.	false	named	100 seconds	true (ByPropertyName)	false

Attribute / Description	Parameters / Values				
	Required	**Position**	**Default Value**	**Accept Pipeline input?**	**Accept wildcard characters?**
<CommonParameters> Verbose, Debug, ErrorAction, ErrorVariable, WarningAction, WarningVariable, OutBuffer, PipelineVariable, and OutVariable. For more information, see About CommonParameters (http://go.microsoft.com/fwlink/?LinkID=113216).					

NOTE: For more information, type "`Get-Help Set-DRADevice -detailed`". For technical information, type "`Get-Help Set-DRADevice -full`".

Example 11-5 *1*

```
PS C:\>Set-DRADevice  -Domain MyDomain.corp -Identifier
"CN=MyDevice,CN=Computer123,CN=Computers,DC=MyDomain,DC=corp" -Properties
@{StartType=2}
```

In this example, the Set-DRADevice cmdlet updates the StartType property on the device “MyDevice” in MyDomain.corp. The identifier contains the distinguished name for the device.

The StartType property requires a value between 0 and 4:

```
0 BOOT
1 SYSTEM
2 AUTOMATIC
3 MANUAL
4 DISABLED
```

To see the complete list of available properties, perform a Get-DRADevice command on the object returned from any DRADevice command.

12 Domain Commands

This section contains cmdlets you can execute for domains, servers, and domain objects.

- "Get-DRADomain" on page 307
- "Set-DRADomain" on page 309

- "Get-DRADomain" on page 307
- "Set-DRADomain" on page 309

Get-DRADomain

Synopsis

Gets properties for a single domain or all managed domains.

Syntax

```
Get-DRADomain [-Domain <String>] [-Attributes <String[]>] [-DRARestServer
<String>] [-DRARestPort <Int32>] [-IgnoreCertificateErrors
<SwitchParameter>] [-Force <SwitchParameter>] [-Timeout <Int32>]
[<CommonParameters>]
```

Description

The Get-DRADomain cmdlet returns the properties of domains. You can specify a specific domain. If you do not specify a domain, the server will return the first 250 domains managed by DRA. To filter the domain list, use the Find-DRAObjects command. The server will only return domains for which the requesting user has the View All Domain Properties power. You can view the default list of properties or request specific properties. See the examples for information on how to view specific properties.

Parameters

Attribute / Description	Parameters / Values				
	Required	**Position**	**Default Value**	**Accept Pipeline input?**	**Accept wildcard characters?**
Domain [<String>] The domain of the object in fqdn format. For example: `mydomain.corp`	true	named		true (ByPropertyName)	false

Attribute / Description	Parameters / Values				
	Required	**Position**	**Default Value**	**Accept Pipeline input?**	**Accept wildcard characters?**
Attributes [<String[]>] An array of attributes to retrieve values for. If this parameter is missing, a default list of properties is returned.	false	named		true (ByPropertyName)	false
DRARestServer [<String>] The name of the computer running the DRA Rest Service. The requested DRA operation will execute on this server. If the parameter is not specified, the value defaults to 'localhost'.	false	named		true (ByPropertyName	false
DRARestPort [<Int32>] The port where the DRA REST Service listens for requests. If the parameter is not specified, the value defaults to 8755.	false	named	8755	true (ByPropertyName	false
IgnoreCertificateErrors [<SwitchParameter>] Allows the request to bypass any SSL certificate errors, such as the InvalidOperation error that occurs when the REST Service is bound to a self-signed certificate.	false	named		false	false
Force [<SwitchParameter>] Suppresses any request for user input and supplies a 'yes' response. For example: -Force with a delete request will perform the delete without presenting the confirmation request to the user.	false	named		false	false
Timeout [<Int32>] The number of seconds to wait before the request to the DRA REST server times out. To specify an infinite timeout, you can set this parameter to -1.	false	named	100 seconds	true (ByPropertyName)	false

Attribute / Description	Parameters / Values				
	Required	Position	Default Value	Accept Pipeline input?	Accept wildcard characters?
<CommonParameters> Verbose, Debug, ErrorAction, ErrorVariable, WarningAction, WarningVariable, OutBuffer, PipelineVariable, and OutVariable. For more information, see About CommonParameters (http://go.microsoft.com/fwlink/?LinkID=113216).					

NOTE: For more information, type "`Get-Help Get-DRADomain -detailed`". For technical information, type "`Get-Help Get-DRADomain -full`".

Example 12-1 *1*

```
PS C:\>Get-DRADomain -Attributes "dnsFlatName","distinguishedName"
```

This example requests two specific properties for all managed domains: dnsFlatName and distinguishedName. The results will contain the first 250 domains where the requesting user has the View All Domain Properties power. To filter the list or to see more than 250 domains, use the Find-DRAObjects command.

Example 12-2 *2*

```
PS C:\>Get-DRADomain  -Domain MyDomain.corp
```

This example requests the default list of properties for the domain MyDomain.corp.

Set-DRADomain

Synopsis

Updates the properties of a managed domain.

Syntax

```
Set-DraDomain -Domain <String> -Properties <Hashtable> [-DRARestServer
<String>] [-DRARestPort <Int32>] [-IgnoreCertificateErrors
<SwitchParameter>] [-Force <SwitchParameter>] [-Timeout <Int32>]
[<CommonParameters>]
```

Description

The Set-DRADomain cmdlet updates the properties of a managed domain. You must have the power to modify DRA configuration data

Parameters

Attribute / Description	Parameters / Values				
	Required	**Position**	**Default Value**	**Accept Pipeline input?**	**Accept wildcard characters?**
Domain [<String>] The domain of the object in fqdn format. For example: `mydomain.corp`	true	named		true (ByPropertyName)	false
Properties <Hashtable> A hashtable of property values. The key is the name of a defined attribute in the REST interface. For example: `-Properties @{Attribute1DRADisplayName="my value"; Attribute2DRADisplayName=value}` Multiple values are specified as a comma-separated list. For example: `-Properties @{Attribute1DRADisplayName=value1, value2}` If the property name contains non-alphanumeric characters it needs to be quoted. For example: `-Properties @{"Attribute1-DRA-DisplayName"=value}` If the property value contains a quote it needs to be escaped with a backtick (`).  For example: `-Properties @{Attribute1DRADisplayName="``"sample``" value"}`	true	named		true (ByPropertyName)	false

Attribute / Description	Parameters / Values				
	Required	**Position**	**Default Value**	**Accept Pipeline input?**	**Accept wildcard characters?**
DRARestServer [<String>] The name of the computer running the DRA Rest Service. The requested DRA operation will execute on this server. If the parameter is not specified, the value defaults to 'localhost'.	false	named		true (ByPropertyName	false
DRARestPort [<Int32>] The port where the DRA REST Service listens for requests. If the parameter is not specified, the value defaults to 8755.	false	named	8755	true (ByPropertyName	false
IgnoreCertificateErrors [<SwitchParameter>] Allows the request to bypass any SSL certificate errors, such as the InvalidOperation error that occurs when the REST Service is bound to a self-signed certificate.	false	named		false	false
Force [<SwitchParameter>] Suppresses any request for user input and supplies a 'yes' response. For example: -Force with a delete request will perform the delete without presenting the confirmation request to the user.	false	named		false	false
Timeout [<Int32>] The number of seconds to wait before the request to the DRA REST server times out. To specify an infinite timeout, you can set this parameter to -1.	false	named	100 seconds	true (ByPropertyName)	false

Attribute / Description	Parameters / Values				
	Required	Position	Default Value	Accept Pipeline input?	Accept wildcard characters?
<CommonParameters> Verbose, Debug, ErrorAction, ErrorVariable, WarningAction, WarningVariable, OutBuffer, PipelineVariable, and OutVariable. For more information, see About CommonParameters (http://go.microsoft.com/fwlink/?LinkID=113216).					

NOTE: For more information, type "`Get-Help Set-DRADomain -detailed`". For technical information, type "`Get-Help Set-DRADomain -full`".

Example 12-3 *1*

```
PS C:\>Set-DRADomain -Domain MyDomain.corp -Properties
@{IsRecycleBinEnabled=$true;PeriodicallyCleanRecycleBin=$true;
PeriodicallyCleanRecycleBinDailyInterval=100;
PeriodicallyCleanRecycleBinStartDate=(Get-Date).AddDays(7);
RecycleBinManagesComputers=$true;
PeriodicallyDeleteComputersFromRecycleBin=$true;
DeleteComputersOlderThanDays=100}
```

This example enables the NetIQ Recycle Bin for the domain MyDomain.corp with the following settings:

1. The Recycle Bin cleanup job tor run every 100 days starting 7 days from when the cmdlet is run.

2. Computer objects should be moved to the Recycle Bin when deleted from Active Directory.

3. The Recycle Bin cleanup job should permanently delete any computer in the Recycle Bin older than 100 days.

Example 12-4 *2*

```
PS C:\>Set-DRADomain -Domain MyDomain.corp -Properties
@{preferredDc="CorpDC01.MyDomain.corp"}
```

This command example sets the preferred domain controller for MyDomain.corp to `CorpDC01.MyDomain.corp`

13 Dynamic Distribution Groups

This section contains cmdlets you can execute for the Dynamic Distribution Group object type.

- "Add-DRADynamicDistributionGroup" on page 313
- "Copy-DRADynamicDistributionGroup" on page 317
- "Get-DRADynamicDistributionGroup" on page 320
- "Get-DRADynamicDistributionGroupPreview" on page 324
- "Move-DRADynamicDistributionGroup" on page 328
- "Remove-DRADynamicDistributionGroup" on page 330
- "Restore-DRADynamicDistributionGroup" on page 333
- "Set-DRADynamicDistributionGroup" on page 335

- "Add-DRADynamicDistributionGroup" on page 313
- "Copy-DRADynamicDistributionGroup" on page 317
- "Get-DRADynamicDistributionGroup" on page 320
- "Get-DRADynamicDistributionGroupPreview" on page 324
- "Move-DRADynamicDistributionGroup" on page 328
- "Remove-DRADynamicDistributionGroup" on page 330
- "Restore-DRADynamicDistributionGroup" on page 333
- "Set-DRADynamicDistributionGroup" on page 335

Add-DRADynamicDistributionGroup

Synopsis

Adds a dynamic distribution group to an Active Directory domain.

Syntax

```
Add-DRADynamicDistributionGroup -ExchangeVersion <String> -Properties
<Hashtable> -Domain <String> [-DRARestServer <String>] [-DRARestPort
<Int32>] [-IgnoreCertificateErrors <SwitchParameter>] [-Force
<SwitchParameter>] [-Timeout <Int32>] [<CommonParameters>]
```

Description

The Add-DRADynamicDistributionGroup cmdlet adds a dynamic distribution group to a domain managed by DRA. The requesting user must have the CreateDynamicDistribution Group power. To see the complete list of available properties, perform a Get-Member command on the object returned from any DRADynamicDistributionGroup command.

Parameters

Attribute / Description	Parameters / Values				
	Required	**Position**	**Default Value**	**Accept Pipeline input?**	**Accept wildcard characters?**
ExchangeVersion <String> Value to indicate which Exchange version should be used to create the Dynamic Distribution Group. Valid values are 2013, 20106 or 2019.	true	named		true (ByPropertyName)	false
Properties <Hashtable> A hashtable of property values. The key is the name of a defined attribute in the REST interface. For example: `-Properties @{Attribute1DRADisplayName="my value"; Attribute2DRADisplayName=value}` Multiple values are specified as a comma-separated list. For example: `-Properties @{Attribute1DRADisplayName=value1, value2}` If the property name contains non-alphanumeric characters it needs to be quoted. For example: `-Properties @{"Attribute1-DRA-DisplayName"=value}` If the property value contains a quote it needs to be escaped with a backtick (`).  For example: `-Properties @{Attribute1DRADisplayName="`"sample`" value"}`	true	named		true (ByPropertyName)	false

Attribute / Description	Parameters / Values				
	Required	**Position**	**Default Value**	**Accept Pipeline input?**	**Accept wildcard characters?**
Identifier <String> The name or distinguished name of an existing Active Directory object. When the name is specified, an additional call to the DRA Server is needed to obtain the distinguished name for the object.	true	named		true (ByPropertyName)	false
Domain <String> The domain of the object in fqdn format. For example: `mydomain.corp`	true	named		true (ByPropertyName)	false
DRARestServer [<String>] The name of the computer running the DRA REST Service. The requested DRA operation will execute on this server. If the parameter is not specified, the value defaults to 'localhost'.	false	named		true (ByPropertyName	false
DRARestPort [<Int32>] The port where the DRA REST Service listens for requests. If the parameter is not specified, the value defaults to 8755.	false	named	8755	true (ByPropertyName	false
IgnoreCertificateErrors [<SwitchParameter>] Allows the request to bypass any SSL certificate errors, such as the InvalidOperation error that occurs when the REST Service is bound to a self-signed certificate.	false	named		false	false
Force [<SwitchParameter>] Suppresses any request for user input and supplies a 'yes' response. For example: -Force with a delete request will perform the delete without presenting the confirmation request to the user.	false	named		false	false

Attribute / Description	Parameters / Values				
	Required	**Position**	**Default Value**	**Accept Pipeline input?**	**Accept wildcard characters?**
Timeout [<Int32>] The number of seconds to wait before the request to the DRA REST server times out. To specify an infinite timeout, you can set this parameter to -1. ***<CommonParameters>*** Verbose, Debug, ErrorAction, ErrorVariable, WarningAction, WarningVariable, OutBuffer, PipelineVariable, and OutVariable. For more information, see About CommonParameters (http://go.microsoft.com/fwlink/?LinkID=113216).	false	named	100 seconds	true (ByPropertyName)	false

NOTE: For more information, type "`Get-Help Add-DRADynamicDistributionGroup -detailed`". For technical information, type "`Get-Help Add-DRADynamicDistributionGroup -full`".

Example 13-1 *1*

```
PS C:\>Add-DRDynamicDistributionAGroup  -Domain MyDomain.corp -Properties
@{FriendlyName="MyDomain.corp/Accounting/GROUP123"; Description="Group for
powershell";ManagedBy="CN=George,CN=Users,DC=MYDOMAIN,DC=corp"} -
ExchangeVersion "2016"
```

This example creates a dynamic distribution group named GROUP123 in Active Directory using the DRA FriendlyName property. The group will be created using Exchange 2016 in the domain MyDomain.corp in the Accounting OU. There are two properties set on thisgroup: Description and ManagedBy

Example 13-2 *2*

```
PS C:\>Add-DRADynamicDistributionGroup  -Domain MyDomain.corp -Properties
@{DistinguishedName="CN=GROUP123,OU=Accounting,
DC=MyDomain,DC=corp";Description="Group for powershell"} -ExchangeVersion
"2016"
```

This example creates a dynamic distribution group named GROUP123 in Active Directory using the DRA DistinguishedName property. The group will be created using Exchange 2016 in the domain MyDomain.corp in the Accounting OU. Description is the onlyproperty set on this group.

Copy-DRADynamicDistributionGroup

Synopsis

Copies an existing dynamic distribution group to a new location.

Syntax

```
Copy-DRADynamicDistributionGroup -Domain <String> -Properties <Hashtable>
-Identifier <String> [-DRARestServer <String>] [-DRARestPort <Int32>] [-
IgnoreCertificateErrors <SwitchParameter>] [-Force <SwitchParameter>] [-
Timeout <Int32>] [<CommonParameters>]
```

Description

The Copy-DRADynamicDistributionGroup cmdlet copies an existing dynamic distribution group to a new location. The response contains the string generated by the server.

Parameters

Attribute / Description	Parameters / Values				
	Required	**Position**	**Default Value**	**Accept Pipeline input?**	**Accept wildcard characters?**
Properties <Hashtable> A hashtable of property values. The key is the name of a defined attribute in the REST interface. For example: `-Properties @{Attribute1DRADisplayName="my value"; Attribute2DRADisplayName=value}` Multiple values are specified as a comma-separated list. For example: `-Properties @{Attribute1DRADisplayName=value1, value2}` If the property name contains non-alphanumeric characters it needs to be quoted. For example: `-Properties @{"Attribute1-DRA-DisplayName"=value}` If the property value contains a quote it needs to be escaped with a backtick (`).  For example: `-Properties @{Attribute1DRADisplayName="``"sample``" value"}`	true	named		true (ByPropertyName)	false
Identifier <String> The name or distinguished name of an existing Active Directory object. When the name is specified, an additional call to the DRA Server is needed to obtain the distinguished name for the object.	true	named		true (ByPropertyName)	false
Domain <String> The domain of the object in fqdn format. For example: `mydomain.corp`	true	named		true (ByPropertyName)	false

Attribute / Description	Parameters / Values				
	Required	**Position**	**Default Value**	**Accept Pipeline input?**	**Accept wildcard characters?**
DRARestServer [<String>] The name of the computer running the DRA REST Service. The requested DRA operation will execute on this server. If the parameter is not specified, the value defaults to 'localhost'.	false	named		true (ByPropertyName	false
DRARestPort [<Int32>] The port where the DRA REST Service listens for requests. If the parameter is not specified, the value defaults to 8755.	false	named	8755	true (ByPropertyName	false
IgnoreCertificateErrors [<SwitchParameter>] Allows the request to bypass any SSL certificate errors, such as the InvalidOperation error that occurs when the REST Service is bound to a self-signed certificate.	false	named		false	false
Force [<SwitchParameter>] Suppresses any request for user input and supplies a 'yes' response. For example: -Force with a delete request will perform the delete without presenting the confirmation request to the user.	false	named		false	false
<CommonParameters> Verbose, Debug, ErrorAction, ErrorVariable, WarningAction, WarningVariable, OutBuffer, PipelineVariable, and OutVariable. For more information, see About CommonParameters (http://go.microsoft.com/fwlink/?LinkID=113216).					

NOTE: For more information, type "`Get-Help Copy-DRADynamicDistributionGroup -detailed`". For technical information, type "`Get-Help Copy-DRADynamicDistributionGroup -full`".

Example 13-3 *1*

```
PS C:\>Copy-DRADynamicDistributionGroup -Identifier
"CN=DDGsource,OU=Accounting,DC=MyDomain,DC=corp" -Properties
@{DistinguishedName="CN=USER123,OU=Tax,DC=MyDomain,DC=corp"} -domain
MyDomain.corp
```

This example will copy the dynamic distribution named DDGsource from the Accounting OU in MyDomain.corp to a new dynamic distribution group named USER123 in the Tax OU in MyDomain.corp.

Get-DRADynamicDistributionGroup

Synopsis

Gets information about a dynamic distribution group account.

Syntax

```
Get-DRADynamicDistributionGroup -Domain <String> [-IncludeAllVAProperties
<SwitchParameter>] [-Attributes <String[]>] [-PowersForOperations
<String[]>] [-VisiblePropertiesOnly <SwitchParameter>] -Identifier
<String> [-DRARestServer <String>] [-DRARestPort <Int32>] [-
IgnoreCertificateErrors <SwitchParameter>] [-Force <SwitchParameter>] [-
Timeout <Int32>] [<CommonParameters>]
```

Description

The Get-DRADynamicDistributionGroup cmdlet returns the properties of the requested group account managed by DRA. The requesting user must have the View All Dynamic Distribution Group Properties power. You can view the default list of properties or request specific properties. The default properties of a dynamic distribution group include: `Name, DistinguishedName, IncludedRecipients, RecipientContainer,` and `RecipientFilterType`.

See the examples for information on how to view specific properties.

Parameters

Attribute / Description	Parameters / Values				
	Required	**Position**	**Default Value**	**Accept Pipeline input?**	**Accept wildcard characters?**
IncludeAllVAProperties <SwitchParameter>]	false	named		false	false
A flag to indicate whether DRA should return the virtual attributes. If you specify this flag, DRA returns the virtual attributes that the user has powers to view. If you specify the `Attributes` parameter along with this flag, DRA returns the virtual attributes along with the properties specified in the `Attributes` parameter.					
Attributes [<String[]>]	false	named		true (ByPropertyName)	false
An array of attributes to retrieve specific values. If this parameter is missing, a default list of properties is returned.					
PowersForOperations [<String[]>]	false	named		true (ByPropertyName)	false
An array of DRA operation names for which you want the server to return read/write permission information. This parameter is typically used by a UI-based client to hide or disable elements the calling user doesn't have powers for. The `PowersForOperations` parameter is applicable only if you have specified the `Identifier` parameter.					

Attribute / Description	Parameters / Values				
	Required	**Position**	**Default Value**	**Accept Pipeline input?**	**Accept wildcard characters?**
VisiblePropertiesOnly [<SwitchParameter>] A flag to indicate whether DRA should return only properties the caller has powers to view. By default, DRA will return an error if the caller requests a property that they do not have powers to view. By specifying this flag, DRA is instructed to not return an error and instead just not return a value for such properties.	false	named		false	false
Identifier <String> The name or distinguished name of an existing Active Directory object. When the name is specified, an additional call to the DRA Server is needed to obtain the distinguished name for the object.	true	named		true (ByPropertyName)	false
Domain <String> The domain of the object in FQDN format. For example: `mydomain.corp`	true	named		true (ByPropertyName)	false
DRARestServer [<String>] The name of the computer running the DRA REST Service. The requested DRA operation will be sent to the REST Service running on the specified computer. If this parameter is not specified, then the cmdlet will attempt to discover a DRA REST Service to use.	false	named		true (ByPropertyName)	false

Attribute / Description	Parameters / Values				
	Required	**Position**	**Default Value**	**Accept Pipeline input?**	**Accept wildcard characters?**
DRARestPort [<Int32>] The port number of the DRA REST Service. This parameter is only used when the DRARestServer parameter is also specified. If the DRARestServer parameter is specified but the DRARestPort is not, 8755 will be used as the default REST port.	false	named	8755	true (ByPropertyName)	false
IgnoreCertificateErrors [<SwitchParameter>] Allows the request to bypass any SSL certificate errors, such as the InvalidOperation error that occurs when the REST Service is bound to a self-signed certificate.	false	named		false	false
Force [<SwitchParameter>] Suppresses any request for user input and supplies a 'yes' response. For example: -Force with a delete request will perform the delete without presenting the confirmation request to the user.	false	named		false	false
Timeout [<Int32>] The wait time in seconds before the request to the DRA REST server times out. To specify an infinite timeout, you can set this parameter to -1.	false	named	100 seconds	true (ByPropertyName)	false
<CommonParameters> Verbose, Debug, ErrorAction, ErrorVariable, WarningAction, WarningVariable, OutBuffer, PipelineVariable, and OutVariable. For more information, see About CommonParameters (http://go.microsoft.com/fwlink/?LinkID=113216).					

NOTE: For more information, type "`Get-Help Get-DRADynamicDistributionGroup -detailed`". For technical information, type "`Get-Help Get-DRADynamicDistributionGroup -full`".

Example 13-4 *1*

```
PS C:\>Get-DRADynamicDistributionGroup -Domain MyDomain.corp -Identifier
"GROUP123" -Attributes
"Description","DisplayName",DistinguishedName","FriendlyPath","FriendlyPar
entPath","FriendlyName","SamAccountName"
```

This example requests the properties of the group named GROUP123 in MyDomain.corp. The Attributes parameter specifies what properties to return. When the Attributes parameter is not present, a default list of properties will be returned.

Example 13-5 *2*

```
PS C:\>Get-DRADynamicDistributionGroup  -Domain MyDomain.corp -Identifier
"GROUP123"
```

This example requests the properties of the group named GROUP123 in MyDomain.corp. The identifier contains the name for the group. When the name is used, DRA resolves the name to the distinguished name and then requests the properties for the group.

Example 13-6 *3*

```
PS C:\>Get-DRADynamicDistributionGroup  -Domain MyDomain.corp -Identifier
"CN=GROUP123,OU=Accounting,DC=MyDomain,DC=corp"
```

This example requests the properties of the group named GROUP123 in MyDomain.corp. The identifier contains the distinguished name for the group.

Example 13-7 *3*

```
Get-DRADynamicDistributionGroup -Domain MyDomain.corp -Identifier
"GROUP123" -Attributes "Description","DisplayName" -IncludeAllVAProperties
```

This example requests the properties of the group named GROUP123 in the "MyDomain.corp" domain. The `Attributes` parameter specifies the properties to return. The `IncludeAllVAProperties` parameter returns all virtual attributes that the assistant administrator has powers to view.

Get-DRADynamicDistributionGroupPreview

Synopsis

Previews the objects in a container that would match the conditions of a dynamic distribution group.

Syntax

```
Get-DRADynamicDistributionGroupPreview [-Attributes <String[]>] -
Properties <Hashtable> -Domain <String> [-DRARestServer <String>] [-
DRARestPort <Int32>] [-IgnoreCertificateErrors <SwitchParameter>] [-Force
<SwitchParameter>] [-Timeout <Int32>] [<CommonParameters>]
```

Description

The Get-DRADynamicDistributionGroupPreview cmdlet returns the objects that would match the conditions of a dynamic distribution group. The response contains the list of objects that are in the specified filter of the target container. You can specify the target container using either the recipientContainer or the distinguishedName attribute.

Parameters

Attribute / Description	Parameters / Values				
	Required	**Position**	**Default Value**	**Accept Pipeline input?**	**Accept wildcard characters?**
Attributes [<String[]>] An array of attributes to retrieve values for. If this parameter is missing, a default list of properties is returned.	false	named		true (ByPropertyName)	false
PowersForOperations [<String[]>] An array of DRA operation names for which you want the server to return read/write permission information.This parameter is typically used by a UI-based client to hide or disable elements the calling user doesn't have powers for. The `PowersForOperations` parameter is applicable only if you have specified the `Identifier` parameter.	false	named		true (ByPropertyName)	false

Attribute / Description	Parameters / Values				
	Required	**Position**	**Default Value**	**Accept Pipeline input?**	**Accept wildcard characters?**
VisiblePropertiesOnly [<SwitchParameter>] A flag to indicate whether DRA should return only properties the caller has powers to view. By default, DRA will return an error if the caller requests a property that they do not have powers to view. By specifying this flag, DRA is instructed to not return an error and instead just not return a value for such properties.	false	named		false	false
Identifier <String> The name or distinguished name of an existing Active Directory object. When the name is specified, an additional call to the DRA Server is needed to obtain the distinguished name for the object.	true	named		true (ByPropertyName)	false
Domain <String> The domain of the object in fqdn format. For example: `mydomain.corp`	true	named		true (ByPropertyName)	false
DRARestServer [<String>] The name of the computer running the DRA REST Service. The requested DRA operation will execute on this server. If the parameter is not specified, the value defaults to 'localhost'.	false	named		true (ByPropertyName)	false
DRARestPort [<Int32>] The port where the DRA REST Service listens for requests. If the parameter is not specified, the value defaults to 8755.	false	named	8755	true (ByPropertyName)	false

Attribute / Description	Parameters / Values				
	Required	**Position**	**Default Value**	**Accept Pipeline input?**	**Accept wildcard characters?**
IgnoreCertificateErrors [<SwitchParameter>] Allows the request to bypass any SSL certificate errors, such as the InvalidOperation error that occurs when the REST Service is bound to a self-signed certificate.	false	named		false	false
Force [<SwitchParameter>] Suppresses any request for user input and supplies a 'yes' response. For example: -Force with a delete request will perform the delete without presenting the confirmation request to the user.	false	named		false	false
Timeout [<Int32>] The number of seconds to wait before the request to the DRA REST server times out. To specify an infinite timeout, you can set this parameter to -1. ***<CommonParameters>*** Verbose, Debug, ErrorAction, ErrorVariable, WarningAction, WarningVariable, OutBuffer, PipelineVariable, and OutVariable. For more information, see About CommonParameters (http://go.microsoft.com/fwlink/?LinkID=113216).	false	named	100 seconds	true (ByPropertyName)	false

NOTE: For more information, type "`Get-Help Get-DRADynamicDistributionGroupPreview -detailed`". For technical information, type "`Get-Help Get-DRADynamicDistributionGroupPreview -full`".

Example 13-8 *1*

```
PS C:\>Get-DRADynamicDistributionGroupPreview -Domain MyDomain.corp -
Properties @{description="some information";
recipientContainer="OU=Tax,DC=MyDomain,DC=corp";ConditionalCustomAttribute
1="value1","value2";ConditionalStateOrProvince="TX","OR";ConditionalDepart
ment="Accounting";ConditionalCompany="ACME"}
```

This example will return a list of objects that would match the dynamic distribution group conditions in the Tax OU in MyDomain.corp. The group members will each have all of the criteria listed for ConditionalCustomAttribute1, ConditionalStateOrProvince, ConditionalDepartment and ConditionalCompan

Move-DRADynamicDistributionGroup

Synopsis

Moves a dynamic distribution group from one location in Active Directory to another.

Syntax

```
Move-DRADynamicDistributionGroup -Domain <String> -TargetContainer
<String> -Identifier <String> [-DRARestServer <String>] [-DRARestPort
<Int32>] [-IgnoreCertificateErrors <SwitchParameter>] [-Force
<SwitchParameter>] [-Timeout <Int32>] [<CommonParameters>]
```

Description

The Move-DRADynamicDistributionGroup cmdlet moves the group named in Identifier to the OU named in the TargetContainer. The requesting user must have the Move Group to OU power on the TargetContainer. Supported formats for Identifier are friendly name and distinguished name.

Parameters

Attribute / Description	Parameters / Values				
	Required	**Position**	**Default Value**	**Accept Pipeline input?**	**Accept wildcard characters?**
TargetContainer <String> The full path to the destination container for the object you are moving, in distinguished name format. For example: -`TargetContainer "OU=Accounting,DC=MyDomain,DC=corp`”.	false	named		true (ByPropertyName)	false
I***dentifier <String>*** The name or distinguished name of an existing Active Directory object. When the name is specified, an additional call to the DRA Server is needed to obtain the distinguished name for the object.	true	named		true (ByPropertyName)	false

Attribute / Description	Parameters / Values				
	Required	**Position**	**Default Value**	**Accept Pipeline input?**	**Accept wildcard characters?**
Domain <String> The domain of the object in fqdn format. For example: `mydomain.corp`	true	named		true (ByPropertyName)	false
DRARestServer [<String>] The name of the computer running the DRA REST Service. The requested DRA operation will execute on this server. If the parameter is not specified, the value defaults to 'localhost'.	false	named		true (ByPropertyName)	false
DRARestPort [<Int32>] The port where the DRA REST Service listens for requests. If the parameter is not specified, the value defaults to 8755.	false	named	8755	true (ByPropertyName)	false
IgnoreCertificateErrors [<SwitchParameter>] Allows the request to bypass any SSL certificate errors, such as the InvalidOperation error that occurs when the REST Service is bound to a self-signed certificate.	false	named		false	false
Force [<SwitchParameter>] Suppresses any request for user input and supplies a 'yes' response. For example: -Force with a delete request will perform the delete without presenting the confirmation request to the user.	false	named		false	false
Timeout [<Int32>] The number of seconds to wait before the request to the DRA REST server times out. To specify an infinite timeout, you can set this parameter to -1.	false	named	100 seconds	true (ByPropertyName)	false

Attribute / Description	Parameters / Values				
	Required	Position	Default Value	Accept Pipeline input?	Accept wildcard characters?
<CommonParameters> Verbose, Debug, ErrorAction, ErrorVariable, WarningAction, WarningVariable, OutBuffer, PipelineVariable, and OutVariable. For more information, see About CommonParameters (http://go.microsoft.com/fwlink/?LinkID=113216).					

NOTE: For more information, type "`Get-Help Move-DRADynamicDistributionGroup -detailed`". For technical information, type "`Get-Help Move-DRADynamicDistributionGroup -full`".

Example 13-9 *1*

```
PS C:\>Move-DRADynamicDistributionGroup -Domain MyDomain.corp -Identifier
"CN=Engineering,OU=Accounting,DC=MyDomain,DC=corp" -TargetContainer
"OU=NewParent,OU=AccountingHomeOffice,DC=MyDomain,DC=corp"
```

This example moves the dynamic distribution group named Engineering from the Accounting container to the NewParent container. The identifier contains the distinguished name for the dynamic distribution group.

Remove-DRADynamicDistributionGroup

Synopsis

Removes a DynamicDistribution group account from Active Directory.

Syntax

```
Remove-DRADynamicDistributionGroup -Domain <String> -Identifier <String>
[-DRARestServer <String>] [-DRARestPort <Int32>] [-IgnoreCertificateErrors
<SwitchParameter>] [-Force <SwitchParameter>] [-Timeout <Int32>]
[<CommonParameters>]
```

Description

The Remove-DRADynamicDistributionGroup cmdlet deletes the requested group account. The requesting user must have one of the Delete Group powers. If the Recycle Bin is enabled, the group is moved to the Recycle Bin.

Parameters

Attribute / Description	Parameters / Values				
	Required	**Position**	**Default Value**	**Accept Pipeline input?**	**Accept wildcard characters?**
I***dentifier <String>*** The name or distinguished name of an existing Active Directory object. When the name is specified, an additional call to the DRA Server is needed to obtain the distinguished name for the object.	true	named		true (ByPropertyName)	false
Domain <String> The domain of the object in fqdn format. For example: `mydomain.corp`	true	named		true (ByPropertyName)	false
DRARestServer [<String>] The name of the computer running the DRA REST Service. The requested DRA operation will execute on this server. If the parameter is not specified, the value defaults to 'localhost'.	false	named		true (ByPropertyName)	false
DRARestPort [<Int32>] The port where the DRA REST Service listens for requests. If the parameter is not specified, the value defaults to 8755.	false	named	8755	true (ByPropertyName)	false
IgnoreCertificateErrors [<SwitchParameter>] Allows the request to bypass any SSL certificate errors, such as the InvalidOperation error that occurs when the REST Service is bound to a self-signed certificate.	false	named		false	false
Force [<SwitchParameter>] Suppresses any request for user input and supplies a 'yes' response. For example: -Force with a delete request will perform the delete without presenting the confirmation request to the user.	false	named		false	false

Attribute / Description	Parameters / Values				
	Required	**Position**	**Default Value**	**Accept Pipeline input?**	**Accept wildcard characters?**
Timeout [<Int32>] The number of seconds to wait before the request to the DRA REST server times out. To specify an infinite timeout, you can set this parameter to -1. ***<CommonParameters>*** Verbose, Debug, ErrorAction, ErrorVariable, WarningAction, WarningVariable, OutBuffer, PipelineVariable, and OutVariable. For more information, see About CommonParameters (http://go.microsoft.com/fwlink/?LinkID=113216).	false	named	100 seconds	true (ByPropertyName)	false

NOTE: For more information, type "`Get-Help Remove-DRADynamicDistributionGroup -detailed`". For technical information, type "`Get-Help Remove-DRADynamicDistributionGroup -full`".

Example 13-10 *1*

```
PS C:\>Remove-DRADynamicDistributionGroup -Domain MyDomain.corp -
Identifier     "CN=GROUP123,OU=NetIQRecycleBin,DC=MyDomain,DC=corp"
```

This example deletes the group named GROUP123 from the DRA Recycle Bin, removing it permanently from Active Directory.

Example 13-11 *2*

```
PS C:\>Remove-DRADynamicDistributionGroup  -Domain MyDomain.corp -
Identifier
    "CN=GROUP123,OU=Accounting,DC=MyDomain,DC=corp"
```

This example deletes the group named GROUP123 from MyDomain.corp. The identifier contains the distinguished name for the group. If the Recycle Bin is enabled, the group is moved to the Recycle Bin. Otherwise, it is removed permanently.

Restore-DRADynamicDistributionGroup

Synopsis

Restores the specified dynamic distribution group from the Recycle Bin.

Syntax

```
Restore-DRADynamicDistributionGroup -Domain <String> [-DomainController
<String>] [-RestoreToContainer <String>] -Identifier <String> [-
DRARestServer <String>] [-DRARestPort <Int32>] [-IgnoreCertificateErrors
<SwitchParameter>] [-Force <SwitchParameter>] [-Timeout <Int32>]
[<CommonParameters>]
```

Description

The Restore-DRADynamicDistributionGroup cmdlet will restore a previously deleted dynamic distribution group from the Recycle Bin to its original container or to a new specified container. Supported formats for the identifier are friendly name and distinguished name. If the full path is specified, it must point to the Recycle Bin (NetIQRecycleBin).

Parameters

Attribute / Description	Parameters / Values				
	Required	**Position**	**Default Value**	**Accept Pipeline input?**	**Accept wildcard characters?**
DomainController [<String>] The computer name of a specific domain controller to use for the request.	false	named		true (ByPropertyName)	false
RestoreToContainer [<String>] The distinguished name of the container to which you want to restore the object. If this parameter is not specified, DRA will attempt to restore the object to its original container.	false	named		true (ByPropertyName)	false
Identifier <String> The name or distinguished name of an existing Active Directory object. When the name is specified, an additional call to the DRA Server is needed to obtain the distinguished name for the object.	true	named		true (ByPropertyName)	false
Domain <String> The domain of the object in fqdn format. For example: `mydomain.corp`	true	named		true (ByPropertyName)	false

Attribute / Description	Parameters / Values				
	Required	**Position**	**Default Value**	**Accept Pipeline input?**	**Accept wildcard characters?**
DRARestServer [<String>] The name of the computer running the DRA REST Service. The requested DRA operation will execute on this server. If the parameter is not specified, the value defaults to 'localhost'.	false	named		true (ByPropertyName)	false
DRARestPort [<Int32>] The port where the DRA REST Service listens for requests. If the parameter is not specified, the value defaults to 8755.	false	named	8755	true (ByPropertyName)	false
IgnoreCertificateErrors [<SwitchParameter>] Allows the request to bypass any SSL certificate errors, such as the InvalidOperation error that occurs when the REST Service is bound to a self-signed certificate.	false	named		false	false
Force [<SwitchParameter>] Suppresses any request for user input and supplies a 'yes' response. For example: -Force with a delete request will perform the delete without presenting the confirmation request to the user.	false	named		false	false
Timeout [<Int32>] The number of seconds to wait before the request to the DRA REST server times out. To specify an infinite timeout, you can set this parameter to -1.	false	named	100 seconds	true (ByPropertyName)	false

Attribute / Description	Parameters / Values				
	Required	Position	Default Value	Accept Pipeline input?	Accept wildcard characters?
<CommonParameters> Verbose, Debug, ErrorAction, ErrorVariable, WarningAction, WarningVariable, OutBuffer, PipelineVariable, and OutVariable. For more information, see About CommonParameters (http://go.microsoft.com/fwlink/?LinkID=113216).					

NOTE: For more information, type "`Get-Help Restore-DRADynamicDistributionGroup -detailed`". For technical information, type "`Get-Help Restore-DRADynamicDistributionGroup -full`".

Example 13-12 *1*

```
PS C:\>Restore-DRADynamicDistributionGroup -Identifier
"CN=DDG8,OU=NetIQRecycleBin,DC=MyDomain,DC=corp" -restoreToContainer
"OU=TempCon,DC=MyDomain,DC=CORP" -domain MyDomain.corp
```

This example will restore a dynamic distribution group named DDG8 from the NetIQRecycleBin in MyDomain.corp. It will be restored to the container named TempCon in MyDomain.corp.

Example 13-13 *2*

```
PS C:\>Restore-DRADynamicDistributionGroup -Identifier
"CN=DDG8,OU=NetIQRecycleBin,DC=MyDomain,DC=corp" -domain MyDomain.corp
```

This example will restore a dynamic distribution group named DDG8 from the NetIQRecycleBin in MyDomain.corp. It will be restored to the original location where it was deleted from.

Set-DRADynamicDistributionGroup

Synopsis

Updates the properties of an existing dynamic distribution group account in Active Directory.

Syntax

```
Set-DRADynamicDistributionGroup -Domain <String> [-Properties <Hashtable>]
[-Replace <Hashtable>] [-Add <Hashtable>] [-Remove <Hashtable>] [-Clear
<String[]>] -Identifier <String> [-DRARestServer <String>] [-DRARestPort
<Int32>] [-IgnoreCertificateErrors <SwitchParameter>] [-Force
<SwitchParameter>] [-Timeout <Int32>] [<CommonParameters>]
```

Description

The Set-DRADynamicDistributionGroup cmdlet modifies the specified group account. The requesting user must have one of the Modify Dynamic Distribution Group powers. If the Recycle Bin is enabled, the group is moved to the Recycle Bin.

NOTE: Set-DRADynamicDistributionGroup cmdlet supports multi-values for the `Moderators`, `ModeratorExemptions`, `ProxyAddresses`, and `PublicDelegates` attributes.

Parameters

Attribute / Description	Parameters / Values				
	Required	**Position**	**Default Value**	**Accept Pipeline input?**	**Accept wildcard characters?**
Properties <Hashtable> A hashtable of property values. The key is the name of a defined attribute in the REST interface. For example: `-Properties @{Attribute1DRADisplayName="my value"; Attribute2DRADisplayName=value}` Multiple values are specified as a comma-separated list. For example: `-Properties @{Attribute1DRADisplayName=value1, value2}` If the property name contains non-alphanumeric characters it needs to be quoted. For example: `-Properties @{"Attribute1-DRA-DisplayName"=value}` If the property value contains a quote it needs to be escaped with a backtick (`).  For example: `-Properties @{Attribute1DRADisplayName="`"sample`" value"}`	true	named		true (ByPropertyName)	false

Attribute / Description	Parameters / Values				
	Required	**Position**	**Default Value**	**Accept Pipeline input?**	**Accept wildcard characters?**
Replace [<Hashtable>] A Hashtable of property values to replace the current set of values for the specified property. The key is the name of a defined property in the REST interface. For example: `-Replace @{Attribute1DRADisplayName="my value"; Attribute2DRADisplayName=value}` Multiple values are specified as a comma-separated list and will replace currently set values. For example: `-Replace @{Attribute1DRADisplayName=value1, value2}` If the property name contains non-alphanumeric characters it needs to be quoted. For example: `-Replace @{"Attribute1-DRA-DisplayName"=value}` If the property value contains a quote it needs to be escaped with a backtick (`).  For example: `-Replace @{Attribute1DRADisplayName="`"sample`" value"}`	false	named		true (ByPropertyName)	false

Attribute / Description	Parameters / Values				
	Required	**Position**	**Default Value**	**Accept Pipeline input?**	**Accept wildcard characters?**
Add [<Hashtable>] A Hashtable of property values to add to the current set of values for the specified multi-valued property. The key is the name of a defined property in the REST interface. For example: `-Add @{Attribute1DRADisplayName=value; Attribute2DRADisplayName=value1, value2; ...; AttributeNDRADisplayName=value1, value2}` Multiple values are specified as a comma-separated list. For example: `-Add @{Attribute1DRADisplayName=value1, value2}}` If the property name contains non-alphanumeric characters it needs to be quoted. For example: `-Add @{"Attribute1-DRA-DisplayName"=value}` If the property value contains a quote it needs to be escaped with a backtick (`).  For example: `-Add @{Attribute1DRADisplayName="`"sample`" value"}`	false	named		true (ByPropertyName)	false

Attribute / Description	Parameters / Values				
	Required	**Position**	**Default Value**	**Accept Pipeline input?**	**Accept wildcard characters?**
Remove [<Hashtable>] A Hashtable of property values to remove from the current set of values for the specified multi-valued property. The key is the name of a defined property in the REST interface. For example: `-Remove @{Attribute1DRADisplayName=value; Attribute2DRADisplayName=value1, value2; ...; AttributeNDRADisplayName=value1, value2}` Multiple values are specified as a comma-separated list and will be removed from currently set values. For example: `-Remove @{Attribute1DRADisplayName=value1,value2}` If the property name contains non-alphanumeric characters it needs to be quoted. For example: `-Remove @{"Attribute1-DRA-DisplayName"=value}` If the property value contains a quote it needs to be escaped with a backtick (`).  For example: `-Remove @{Attribute1DRADisplayName="`"sample`" value"}`	false	named		true (ByPropertyName)	false

Attribute / Description	Parameters / Values				
	Required	**Position**	**Default Value**	**Accept Pipeline input?**	**Accept wildcard characters?**
Clear [<String>] An array of property names whose values will be cleared. Each name is the name of a defined property in the REST interface. For example: `-Clear "Attribute1-DRA-DisplayName"` Multiple values need to be separated by a comma. For example: `-Clear Attribute1DRADisplayName, Attribute2DRADisplayName`	false	named		true (ByPropertyName)	false
Identifier <String> The name or distinguished name of an existing Active Directory object. When the name is specified, an additional call to the DRA Server is needed to obtain the distinguished name for the object.	true	named		true (ByPropertyName)	false
Domain <String> The domain of the object in fqdn format. For example: `mydomain.corp`	true	named		true (ByPropertyName)	false
DRARestServer [<String>] The name of the computer running the DRA REST Service. The requested DRA operation will execute on this server. If the parameter is not specified, the value defaults to 'localhost'.	false	named		true (ByPropertyName	false
DRARestPort [<Int32>] The port where the DRA REST Service listens for requests. If the parameter is not specified, the value defaults to 8755.	false	named	8755	true (ByPropertyName	false

Attribute / Description	Parameters / Values				
	Required	**Position**	**Default Value**	**Accept Pipeline input?**	**Accept wildcard characters?**
IgnoreCertificateErrors [<SwitchParameter>] Allows the request to bypass any SSL certificate errors, such as the InvalidOperation error that occurs when the REST Service is bound to a self-signed certificate.	false	named		false	false
Force [<SwitchParameter>] Suppresses any request for user input and supplies a 'yes' response. For example: -Force with a delete request will perform the delete without presenting the confirmation request to the user.	false	named		false	false
Timeout [<Int32>] The number of seconds to wait before the request to the DRA REST server times out. To specify an infinite timeout, you can set this parameter to -1.	false	named	100 seconds	true (ByPropertyName)	false
<CommonParameters> Verbose, Debug, ErrorAction, ErrorVariable, WarningAction, WarningVariable, OutBuffer, PipelineVariable, and OutVariable. For more information, see About CommonParameters (http://go.microsoft.com/fwlink/?LinkID=113216).					

NOTE: For more information, type "`Get-Help Set-DRADynamicDistributionGroup -detailed`". For technical information, type "`Get-Help Set-DRADynamicDistributionGroup -full`".

Example 13-14 *1*

```
PS C:\>Set-DRADynamicDistributionGroup  -Domain MyDomain.corp -Identifier
"CN=GROUP123,OU=Accounting,DC=MyDomain,DC=corp" -Properties
@{IncludedRecipients="MailUsers";Moderators="CN=George,CN=Users,DC=MYDOMAI
N,DC=corp";EnableModeration=$true}
```

This example updates some of the properties for the group GROUP123 in MyDomain.corp. The identifier contains the distinguished name for the group. Three properties are updated: IncludedRecipients, EnableModeration and Moderators. To see the complete list of available properties, perform a Get-Member command on the object returned from any DRADynamicDistributionGroup command.

Example 13-15 *2*

```
PS C:\>Set-DRADynamicDistributionGroup -Domain MyDomain.corp -Identifier
"GROUP123" -Properties @{ManagedBy=CN=George,
CN=Users,DC=MYDOMAIN,DC=corp";Description="updated description"}
```

This example updates some of the properties for the group GROUP123 in MyDomain.corp. The Identifier specifies the name of the group. When the identifier format is the name, DRA resolves the name to the full distinguished name.

14 Event Log Commands

This section contains Help information for cmdlets you computer event log objects.

- "Clear-DRAEventLog" on page 345
- "Get-DRAEventLog" on page 347
- "Set-DRAEventLog" on page 351

Clear-DRAEventLog

Synopsis

Clears an event log object.

Syntax

```
Clear-DRAEventLog -Domain <String> -Identifier <String> [-DRARestServer
<String>] [-DRARestPort <Int32>] [-IgnoreCertificateErrors
<SwitchParameter>] [-Force <SwitchParameter>] [-Timeout <Int32>]
[<CommonParameters>]
```

Description

The Clear-DRAEventLog cmdlet clears the requested event log. The requesting user must have the Clear Event Log power.

Parameters

Attribute / Description	Parameters / Values				
	Required	**Position**	**Default Value**	**Accept Pipeline input?**	**Accept wildcard characters?**
Identifier <String> The name or distinguished name of an existing Active Directory object. When the name is specified, an additional call to the DRA Server is needed to obtain the distinguished name for the object.	true	named		true (ByPropertyName)	false

Attribute / Description	Parameters / Values				
	Required	**Position**	**Default Value**	**Accept Pipeline input?**	**Accept wildcard characters?**
Domain <String> The domain of the object in FQDN format. For example: `mydomain.corp`	true	named		true (ByPropertyName)	false
DRARestServer [<String>] The name of the computer running the DRA REST Service. The requested DRA operation will be sent to the REST Service running on the specified computer. If this parameter is not specified, then the cmdlet will attempt to discover a DRA REST Service to use.	false	named		true (ByPropertyName)	false
DRARestPort [<Int>] The port number of the DRA REST Service. This parameter is only used when the DRARestServer parameter is also specified. If the DRARestServer parameter is specified but the DRARestPort is not, 8755 will be used as the default REST port.	false	named	8755	true (ByPropertyName)	false
IgnoreCertificateErrors [<SwitchParameter>] Allows the request to bypass any SSL certificate errors, such as the InvalidOperation error that occurs when the REST Service is bound to a self-signed certificate.	false	named		false	false
Force [<SwitchParameter>] Suppresses any request for user input and supplies a 'yes' response. For example: -Force with a delete request will perform the delete without presenting the confirmation request to the user.	false	named		false	false

Attribute / Description	Parameters / Values				
	Required	**Position**	**Default Value**	**Accept Pipeline input?**	**Accept wildcard characters?**
Timeout [<Int32>] The number of seconds to wait before the request to the DRA REST server times out. To specify an infinite timeout, you can set this parameter to -1. ***<CommonParameters>*** Verbose, Debug, ErrorAction, ErrorVariable, WarningAction, WarningVariable, OutBuffer, PipelineVariable, and OutVariable. For more information, see About CommonParameters (http://go.microsoft.com/fwlink/?LinkID=113216).	false	named	100 seconds	true (ByPropertyName)	false

NOTE: For more information, type "`Get-Help Clear-DRAEventLog -detailed`". For technical information, type "`Get-Help Clear-DRAEventLog -full`".

Example 14-1 *1*

```
PS C:\>Clear-DRAEventLog -Domain MyDomain.corp -Identifier
"CN=Application,CN=COMPUTER123,CN=Computers,DC=MyDomain,DC=corp"
```

This command example clears the Application event log on the computer COMPUTER123. The identifier contains the distinguished name for the event log.

Get-DRAEventLog

Synopsis

Lists the properties of a computer's event log(s).

Syntax

```
Get-DRAEventLog -Domain <String> -Identity <String> [-Name <String>] [-
ContainerDN <String>] [-EnforceServerLimit <SwitchParameter>] [-
IncludeChildContainers <SwitchParameter>] [-ObjectsPerResponse <Int32>] [-
ResumeString <String>] [-Attributes <String[]>] [-DRARestServer <String>]
[-DRARestPort <Int32>] [-IgnoreCertificateErrors <SwitchParameter>] [-
Force <SwitchParameter>] [-Timeout <Int32>] [<CommonParameters>]
```

Description

Specify the target computer using the distinguishedName. The Get-DRAEventLog cmdlet returns a list of the event logs. When -Name is specified, returns a list of the event log's properties.

Parameters

Attribute / Description	Parameters / Values				
	Required	**Position**	**Default Value**	**Accept Pipeline input?**	**Accept wildcard characters?**
Domain [<String>] The domain of the object in FQDN format. For example: `mydomain.corp`	false	named		true (ByPropertyName)	false
Identity [<String>] The distinguished name of an existing computer object. For example: `CN=COMPUTER123,CN=Computers,DC=DRDOM123,DC=com`	true	named		true (ByPropertyName)	false
Name [<String>] The Name parameter specifies the name of a computer resource. For example, "MyShare" for a file share, "MCSAdminSvc" for a service or, "Application" for an event log.	false	named		true (ByPropertyName)	false
ContainerDN [<String>] The full path to the container to search in distinguished name format. For example: `-ContainerDN "OU=Accounting,DC=MyDomain,DC=corp"`	false	named		false	false
EnforceServerLimit [<SwitchParameter>] A switch parameter to indicate that the search results should be limited by the search result limit on the DRA Server. The typical server limit is 1000 items. The default is true.	false	named		false	false

Attribute / Description	Parameters / Values				
	Required	**Position**	**Default Value**	**Accept Pipeline input?**	**Accept wildcard characters?**
IncludeChildContainers [<SwitchParameter>] A switch parameter to request that the search include child containers. The default is false: only the container named in the ContainerDN parameter is searched.	false	named		false	false
ObjectsPerResponse [<Nullable`1>] The number of objects to return in a response. The default is 250.	false	named		false	false
ResumeString [<String>] When multiple responses are needed to return all of the search results to the client, this parameter indicates the last item returned from the server. The value of this parameter would be set using the ResumeString property from the previous set of results. The ResumeString may look like this: `"CN=MYUser160,CN=Users,DC=MyDomain,DC=corp"` The `EnforceServerLimit`, `ObjectsPerResponse`, and `ResumeString` parameters are applicable only when the `Identifier` parameter is not specified.	false	named		false	false
Attributes [<String[]>] An array of attributes to retrieve specific values. If this parameter is missing, a default list of properties is returned.	false	named		true (ByPropertyName)	false

Attribute / Description	Parameters / Values				
	Required	**Position**	**Default Value**	**Accept Pipeline input?**	**Accept wildcard characters?**
DRARestServer [<String>] The name of the computer running the DRA REST Service. The requested DRA operation will be sent to the REST Service running on the specified computer. If this parameter is not specified, then the cmdlet will attempt to discover a DRA REST Service to use.	false	named		true (ByPropertyName)	false
DRARestPort [<Int32>] The port number of the DRA REST Service. This parameter is only used when the DRARestServer parameter is also specified. If the DRARestServer parameter is specified but the DRARestPort is not, 8755 will be used as the default REST port.	false	named	8755	true (ByPropertyName)	false
IgnoreCertificateErrors [<SwitchParameter>] Allows the request to bypass any SSL certificate errors, such as the InvalidOperation error that occurs when the REST Service is bound to a self-signed certificate.	false	named		false	false
Force [<SwitchParameter>] Suppresses any request for user input and supplies a 'yes' response. For example: -Force with a delete request will perform the delete without presenting the confirmation request to the user.	false	named		false	false
Timeout [<Int32>] The number of seconds to wait before the request to the DRA REST server times out. To specify an infinite timeout, you can set this parameter to -1.	false	named	100 seconds	true (ByPropertyName)	false

Attribute / Description	Parameters / Values				
	Required	Position	Default Value	Accept Pipeline input?	Accept wildcard characters?
<CommonParameters> Verbose, Debug, ErrorAction, ErrorVariable, WarningAction, WarningVariable, OutBuffer, PipelineVariable, and OutVariable. For more information, see About CommonParameters (http://go.microsoft.com/fwlink/?LinkID=113216).					

NOTE: For more information, type "`Get-Help Get-DRAEventLog -detailed`". For technical information, type "`Get-Help Get-DRAEventLog -full`".

Example 14-2 *1*

```
PS C:\>Get-DRAEventLog -Domain MyDomain.corp -Identity
"CN=COMPUTER123,CN=Computers,DC=MyDomain,DC=corp"
```

This command example returns a list of event logs that belong to the computer named COMPUTER123 in MyDomain.corp.

Example 14-3 *2*

```
PS C:\>Get-DRAEventLog -Domain MyDomain.corp -Identity
"CN=COMPUTER123,CN=Computers,DC=MyDomain,DC=corp" -Name "MyEventLog"
```

This command example returns a list of MyEventLog properties on the computer COMPUTER123 in MyDomain.corp.

Set-DRAEventLog

Synopsis

Updates the properties of the computer event log specified by the Identifier parameter.

Syntax

```
Set-DRAEventLog -Domain <String> -Properties <Hashtable> -Identifier
<String> [-DRARestServer <String>] [-DRARestPort <Int32>] [-
IgnoreCertificateErrors <SwitchParameter>] [-Force <SwitchParameter>] [-
Timeout <Int32>] [<CommonParameters>]
```

Description

The Set-DRAEventLog cmdlet modifies the requested event log of a computer. The requesting event log must have the Modify All Event Log Properties power.

Parameters

Attribute / Description	Parameters / Values				
	Required	**Position**	**Default Value**	**Accept Pipeline input?**	**Accept wildcard characters?**
Properties <Hashtable> A hashtable of property values. The key is the name of a defined attribute in the REST interface. For example: `-Properties @{Attribute1DRADisplayName="my value"; Attribute2DRADisplayName=value}` Multiple values are specified as a comma-separated list. For example: `-Properties @{Attribute1DRADisplayName=value1, value2}` If the property name contains non-alphanumeric characters it needs to be quoted. For example: `-Properties @{"Attribute1-DRA-DisplayName"=value}` If the property value contains a quote it needs to be escaped with a backtick (`).  For example: `-Properties @{Attribute1DRADisplayName="`"sample`" value"}`	true	named		true (ByPropertyName)	false
Identifier <String> The name or distinguished name of an existing Active Directory object. When the name is specified, an additional call to the DRA Server is needed to obtain the distinguished name for the object.	true	named		true (ByPropertyName)	false

Attribute / Description	Parameters / Values				
	Required	**Position**	**Default Value**	**Accept Pipeline input?**	**Accept wildcard characters?**
Domain <String> The domain of the object in FQDN format. For example: `mydomain.corp`	true	named		true (ByPropertyName)	false
DRARestServer [<String>] The name of the computer running the DRA REST Service. The requested DRA operation will be sent to the REST Service running on the specified computer. If this parameter is not specified, then the cmdlet will attempt to discover a DRA REST Service to use.	false	named		true (ByPropertyName)	false
DRARestPort [<Int32>] The port number of the DRA REST Service. This parameter is only used when the DRARestServer parameter is also specified. If the DRARestServer parameter is specified but the DRARestPort is not, 8755 will be used as the default REST port.	false	named	8755	true (ByPropertyName)	false
IgnoreCertificateErrors [<SwitchParameter>] Allows the request to bypass any SSL certificate errors, such as the InvalidOperation error that occurs when the REST Service is bound to a self-signed certificate.	false	named		false	false
Force [<SwitchParameter>] Suppresses any request for user input and supplies a 'yes' response. For example: -Force with a delete request will perform the delete without presenting the confirmation request to the user.	false	named		false	false

Attribute / Description	Parameters / Values				
	Required	**Position**	**Default Value**	**Accept Pipeline input?**	**Accept wildcard characters?**
Timeout [<Int32>] The number of seconds to wait before the request to the DRA REST server times out. To specify an infinite timeout, you can set this parameter to -1. ***<CommonParameters>*** Verbose, Debug, ErrorAction, ErrorVariable, WarningAction, WarningVariable, OutBuffer, PipelineVariable, and OutVariable. For more information, see About CommonParameters (http://go.microsoft.com/fwlink/?LinkID=113216).	false	named	100 seconds	true (ByPropertyName)	false

NOTE: For more information, type "`Get-Help Set-DRAEventLog -detailed`". For technical information, type "`Get-Help Set-DRAEventLog -full`".

Example 14-4 *1*

```
PS C:\>Set-DRAEventLog  -Domain MyDomain.corp -Identifier
"CN=MyEventLog,CN=Computer123,CN=Computers,DC=MyDomain,DC=corp" -
Properties @{DisplayName="My Event Log"}
```

This command example returns a list of share objects that belong to the computer named COMPUTER123 in MyDomain.corp.

Example 14-5 *2*

```
PS C:\>Get-DRAShare -Domain MyDomain.corp -Identity
"CN=COMPUTER123,CN=Computers,DC=MyDomain,DC=corp" -Name "MyShare"
```

In this example, the Set-DRAEventLog cmdlet updates the DisplayName property on the event log “MyEventLog” on the computer Computer123. The identifier contains the distinguished name for the event log.

15 Exchange Online Commands

The following table lists the cmdlets that can be used to manage objects in Exchange Online:

Cmdlets for cloud-only objects	Cmdlets for on-premises objects with Exchange Online mailbox
◆ Get-AzureDRAUser	◆ Get-DRAUser *
◆ Set-AzureDRAUser	◆ Set-DRAUser *
◆ Get-AzureDRAContact	◆ Get-DRARemoteMailbox
◆ Set-AzureDRAContact	◆ Set-DRARemoteMailbox
◆ Get-AzureDRAGroup	◆ Enable-DRAOffice365ArchiveMailbox
◆ Set-AzureDRAGroup	◆ Disable-DRAOffice365ArchiveMailbox

Cmdlets appended with an asterisk (*) can be used to manage on-premises Active Directory properties, on-premises Exchange properties, and Exchange Online properties for a user object. The examples in each cmdlet show the usage of the cmdlet in each environment. Some properties and settings may be exclusive to one environment or the other. For a list of Exchange Online properties, see Exchange Online Properties.

Exchange Online Properties

The following table lists the Exchange Online properties that you can manage using the cmdlets indicated in the column heading:

* Read-only attribute; ✓ Supported attribute; ✘ Unsupported attribute

Attributes	Cmdlets				
	Get-AzureDRAContact Set-AzureDRAContact	Get-AzureDRAGroup Set-AzureDRAGroup	Get-AzureDRAUser Set-AzureDRAUser	Get-DRAUser Set-DRAUser	Get-DRARemoteMailbox Set-DRARemoteMailbox
MailNickname [<String>] Exchange alias (also known as the mail nickname) for the mailbox.	✓	✓	✓	✓	✓
****Office365UserLicenses [<String>]*** Exchange Online license associated with the mailbox.	✘	✘	✓	✓	✓

Attributes	Cmdlets				
	Get-AzureDRAContact Set-AzureDRAContact	Get-AzureDRAGroup Set-AzureDRAGroup	Get-AzureDRAUser Set-AzureDRAUser	Get-DRAUser Set-DRAUser	Get-DRARemoteMailbox Set-DRARemoteMailbox
MailTip [<String>] Informative message that is displayed to users while they are composing a message.	✓	✓	✓	✓	✓
****ProhibitSendQuota [<Nullable(Of Int32)>]*** Mailbox size at which the user is prevented from sending new messages.	✘	✘	✘	✓	✓
****PercentageUsed <Nullable(Of Int32)>]*** Percentage of the total mailbox quota that has been used.	✘	✘	✘	✓	✓
****TotalItemSize [<Nullable(Of Int32)>]*** Size of all items in the mailbox.	✘	✘	✘	✓	✓
****ItemCount [<Nullable(Of Int64)>]*** Total items in the mailbox.	✘	✘	✘	✓	✓
****LastLogOnTime [<Nullable(Of DateTime)>]*** The last time that the user signed in to the mailbox.	✘	✘	✘	✓	✓
****LastLogOffTime [<Nullable(Of DateTime)>]*** The last time that the user signed off from the mailbox.	✘	✘	✘	✓	✓
LitigationHoldEnabled [<Nullable(Of Boolean)>] Indicates whether to place the mailbox on litigation hold.	✘	✘	✓	✓	✓
LitigationHoldDuration [<Nullable(Of Int32)>] Number of days to place the mailbox on litigation hold.	✘	✘	✓	✓	✓

Attributes	Cmdlets				
	Get-AzureDRAContact Set-AzureDRAContact	Get-AzureDRAGroup Set-AzureDRAGroup	Get-AzureDRAUser Set-AzureDRAUser	Get-DRAUser Set-DRAUser	Get-DRARemoteMailbox Set-DRARemoteMailbox
LitigationHoldDurationFlag [<Nullable(Of Boolean)>] Indicates whether to place the mailbox on litigation hold indefinitely or for a specific duration.	✘	✘	✓	✓	✓
Office365ForwardingAddress [<String>] Forwarding address for messages that are sent to the mailbox.	✘	✘	✓	✓	✓
Office365ForwardingAddressFlag [<Nullable(Of Boolean)>] Indicates whether to forward messages that are sent to the mailbox.	✘	✘	✓	✓	✓
Office365ForwardingSmtpAddress [<String>] Forwarding SMTP address for messages that are sent to the mailbox.	✘	✘	✓	✓	✓
Office365DeliverAndForward [<Nullable(Of Boolean)>] Indicates whether to send all incoming messages to both the forwarding email address and the mailbox.	✘	✘	✓	✓	✓
RecipientLimits [<Nullable(Of Int32)>] Maximum number of users to whom the messages can be sent.	✘	✘	✓	✓	✓
Office365FullAccess [<String>] Allows a delegate to sign in to the user's mailbox and view the contents of the mailbox.	✘	✘	✓	✓	✓

Attributes	Cmdlets				
	Get-AzureDRAContact Set-AzureDRAContact	Get-AzureDRAGroup Set-AzureDRAGroup	Get-AzureDRAUser Set-AzureDRAUser	Get-DRAUser Set-DRAUser	Get-DRARemoteMailbox Set-DRARemoteMailbox
Office365FullAccessAdd [<String>] Adds the specified delegate to the Full Access list.	✘	✘	✓	✓	✓
Office365FullAccessRemove [<String>] Removes the specified delegate from the Full Access list.	✘	✘	✓	✓	✓
Office365SendAs [<String>] Allows the delegate to use the mailbox to send messages.	✘	✘	✓	✓	✓
Office365SendAsAdd <String>] [Adds the specified delegate to the Send As list.	✘	✘	✓	✓	✓
Office365SendAsRemove [<String>] Removes the specified delegate from the Send As list.	✘	✘	✓	✓	✓
Office365SendOnBehalf [<String>] Allows the delegate to send email on behalf of the mailbox user.	✘	✘	✓	✓	✓
Office365SendOnBehalfAdd [<String>] Adds the specified delegate to the Send On Behalf list.	✘	✘	✓	✓	✓
Office365SendOnBehalfRemove [<String>] Removes the specified delegate from the Send On Behalf list.	✘	✘	✓	✓	✓
*****RetentionPolicy [<String>]*** Retention policy applied to the mailbox.	✘	✘	✓	✘	✘
*****RoleAssignmentPolicy [<String>]*** Role-based access control roles that are applied to the mailbox.	✘	✘	✓	✘	✘

Attributes	Cmdlets				
	Get-AzureDRAContact Set-AzureDRAContact	Get-AzureDRAGroup Set-AzureDRAGroup	Get-AzureDRAUser Set-AzureDRAUser	Get-DRAUser Set-DRAUser	Get-DRARemoteMailbox Set-DRARemoteMailbox
****SharingPolicy [<String>]***	✘	✘	✓	✘	✘
Sharing policy applied to the mailbox.					
****AddressBookPolicy [<String>]***	✘	✘	✓	✘	✘
Address book policy applied to the mailbox.					
RejectMessagesFrom [<String>]	✓	✓	✓	✓	✓
List of users who are not allowed to send email messages to the mailbox.					
AcceptMessagesFrom [<String>]	✓	✓	✓	✓	✓
List of who are allowed to send email messages to the mailbox.					
OutgoingEmailSize [Nullable(Of Int32)]	✘	✘	✘	✓	✓
Maximum size for messages sent by the mailbox.					
IncomingEmailSize [Nullable(Of Int32)]	✓	✓	✓	✓	✓
Maximum size for messages received by the mailbox.					
RequireAuthenticationToSendTo [Nullable(Of Boolean)]	✓	✓	✓	✓	✓
Indicates whether to accept messages only from authenticated senders.					
DisplayNamePrintable [<String>]	✓	✓	✓	✓	✓
Alternative description for the mailbox when only a limited set of characters are permitted.					

Attributes	Cmdlets				
	Get-AzureDRAContact Set-AzureDRAContact	Get-AzureDRAGroup Set-AzureDRAGroup	Get-AzureDRAUser Set-AzureDRAUser	Get-DRAUser Set-DRAUser	Get-DRARemoteMailbox Set-DRARemoteMailbox
HideFromAddressLists [Nullable(Of Boolean)] Indicates whether to prevent the mailbox from appearing in the address book and other address lists.	✓	✓	✓	✓	✓
DowngradeHighPriorityMailX400 [Nullable(Of Boolean)] Indicates whether to downgrade messages that are set for high priority delivery to an X.400-type e-mail address.	✘	✘	✘	✓	✓

16 Group Commands

This section contains cmdlets you can execute for the Group object type.

- “Add-DRAAssistantAdminGroupMembers” on page 362
- “Add-DRAGroup” on page 364
- “Add-DRAGroupMembers” on page 369
- “Copy-DRAGroup” on page 373
- “Disable-DRAGroupEmail” on page 378
- “Enable-DRAGroupEmail” on page 380
- “Get-DRAGroup” on page 383
- “Get-DRAGroupMembers” on page 387
- “Get-DRAGroupMembership” on page 391
- “Get-DRAGroupPermissions” on page 394
- “Move-DRAGroup” on page 397
- “Remove-DRAAssistantAdminGroupMembers” on page 400
- “Remove-DRAGroup” on page 402
- “Remove-DRAGroupMembers” on page 404
- “Restore-DRAGroup” on page 408
- “Set-DRAGroup” on page 410
- “Set-DRAGroupPermissions” on page 419

- “Add-DRAAssistantAdminGroupMembers” on page 362
- “Add-DRAGroup” on page 364
- “Add-DRAGroupMembers” on page 369
- “Copy-DRAGroup” on page 373
- “Disable-DRAGroupEmail” on page 378
- “Enable-DRAGroupEmail” on page 380
- “Get-DRAGroup” on page 383
- “Get-DRAGroupMembers” on page 387
- “Get-DRAGroupMembership” on page 391
- “Get-DRAGroupPermissions” on page 394
- “Move-DRAGroup” on page 397
- “Remove-DRAAssistantAdminGroupMembers” on page 400
- “Remove-DRAGroup” on page 402
- “Remove-DRAGroupMembers” on page 404
- “Restore-DRAGroup” on page 408

- "Set-DRAGroup" on page 410
- "Set-DRAGroupPermissions" on page 419

Add-DRAAssistantAdminGroupMembers

Synopsis

Adds members to an Assistant Admin group.

Syntax

```
Add-DRAAssistantAdminGroupMembers -Identifier <String> [-Groups
<String[]>] [-Users <String[]>] [-AssistantAdminGroups <String[]>] [-
DRARestServer <String>] [-DRARestPort <Int32>] [-IgnoreCertificateErrors
<SwitchParameter>] [-Force <SwitchParameter>] [-Timeout <Int32>]
[<CommonParameters>]
```

Description

The Add-DRAAssistantAdminGroupMembers cmdlet adds members to an Assistant Admin group. Members can be users, groups, or other Assistant Admin groups.

Parameters

Attribute / Description	Parameters / Values				
	Required	**Position**	**Default Value**	**Accept Pipeline input?**	**Accept wildcard characters?**
Identifier <String> The name of an existing Assistant Admin group to add members to.	true	named		true (ByPropertyName)	false
Groups [<String[]>] List of distinguished name values for groups that will be added.	false	named		true (ByPropertyName)	false
Users [<String[]>] List of distinguished name values for users who will be added.	false	named		true (ByPropertyName)	false
AssistantAdminGroups [<String[]>] List of Assistant Admin groups, by group name, that will be added.	false	named		true (ByPropertyName)	false

Attribute / Description	Parameters / Values				
	Required	**Position**	**Default Value**	**Accept Pipeline input?**	**Accept wildcard characters?**
DRARestServer [<String>] The name of the computer running the DRA REST Service. The requested DRA operation will execute on this server. If the parameter is not specified, the value defaults to 'localhost'.	false	named		true (ByPropertyName)	false
DRARestPort [<Int32>] The port number of the DRA REST Service. This parameter is only used when the DRARestServer parameter is also specified. If the parameter is not specified, the value defaults to 8755.	false	named	8755	true (ByPropertyName)	false
IgnoreCertificateErrors [<SwitchParameter>] Allows the request to bypass any SSL certificate errors, such as the InvalidOperation error that occurs when the REST Service is bound to a self-signed certificate.	false	named		false	false
Force [<SwitchParameter>] Suppresses any request for user input and supplies a 'yes' response. For example: -Force with a delete request will perform the delete without presenting the confirmation request to the user.	false	named		false	false
Timeout [<Int32>] The number of seconds to wait before the request to the DRA REST server times out. To specify an infinite timeout, you can set this parameter to -1.	false	named	100 seconds	true (ByPropertyName)	false

Attribute / Description	Parameters / Values				
	Required	Position	Default Value	Accept Pipeline input?	Accept wildcard characters?
<CommonParameters> Verbose, Debug, ErrorAction, ErrorVariable, WarningAction, WarningVariable, OutBuffer, PipelineVariable, and OutVariable. For more information, see About CommonParameters (http://go.microsoft.com/fwlink/?LinkID=113216).					

NOTE: For more information, type "`Get-Help Add-DRAAssistantAdminGroupMembers -detailed`". For technical information, type "`Get-Help Add-DRAAssistantAdminGroupMembers -full`".

Example 16-1 *1*

```
PS C:\>Add-DRAAssistantAdminGroupMembers -Identifier "DRA Policy Admins" -
Groups "CN=MyGroup,OU=Accounting,DC=MYDOMAIN,DC=corp" -Users
"CN=MyUser,OU=Users,OU=ABC,OU=ABC-Parent,DC=MYDOMAIN,DC=corp"
```

This example adds the group "MyGroup" and the user "MyUser" to the “DRA Policy Admins” Assistant Admin group.

Add-DRAGroup

Synopsis

Adds a group object to an Active Directory domain.

Syntax

```
Add-DRAGroup -GroupScope <String> -GroupType <String> [-
DynamicFilterIncludeChildren <SwitchParameter>] [-DynamicFilterLDAPQuery
<String>] [-DynamicFilterRootContainer <String>] -Properties <Hashtable> -
Domain <String> [-DRARestServer <String>] [-DRARestPort <Int32>] [-
IgnoreCertificateErrors <SwitchParameter>] [-Force <SwitchParameter>] [-
Timeout <Int32>] [<CommonParameters>]
```

Description

The Add-DRAGroup cmdlet adds a group object to a domain managed by DRA. The requesting user must have the Create Group power. You can create a traditional group where you add each member individually or you can create a dynamic group whose membership is determined by a filter. See the examples for more information. To see the complete list of available properties, perform a Get-Member command on the object returned from any DRAGroup command.

Parameters

Attribute / Description	Parameters / Values				
	Required	**Position**	**Default Value**	**Accept Pipeline input?**	**Accept wildcard characters?**
GroupScope <String> Specifies the Active Directory scope of the group you are adding. Valid values are Domain local, Global, or Universal.	true	named		true (ByPropertyName)	false
GroupType <String> Specifies the Active Directory type of the group you are adding. Valid values are Distribution or Security.	true	named		true (ByPropertyName)	false
DynamicFilterIncludeChildren [<SwitchParameter>] Allows the request to bypass any SSL certificate errors, such as the InvalidOperation error that occurs when the REST Service is bound to a self-signed certificate.	true	named		false	false
DynamicFilterLDAPQuery [<String>] Allows the request to bypass any SSL certificate errors, such as the InvalidOperation error that occurs when the REST Service is bound to a self-signed certificate.	true	named		false	false
DynamicFilterRootContainer [<String>] Allows the request to bypass any SSL certificate errors, such as the InvalidOperation error that occurs when the REST Service is bound to a self-signed certificate.	true	named		false	false

Attribute / Description	Parameters / Values				
	Required	**Position**	**Default Value**	**Accept Pipeline input?**	**Accept wildcard characters?**
Properties <Hashtable> A hashtable of property values. The key is the name of a defined attribute in the REST interface. For example: `-Properties @{Attribute1DRADisplayName="my value"; Attribute2DRADisplayName=value}` Multiple values are specified as a comma-separated list. For example: `-Properties @{Attribute1DRADisplayName=value1, value2}` If the property name contains non-alphanumeric characters it needs to be quoted. For example: `-Properties @{"Attribute1-DRA-DisplayName"=value}` If the property value contains a quote it needs to be escaped with a backtick (`).  For example: `-Properties @{Attribute1DRADisplayName="`"sample`" value"}`	true	named		true (ByPropertyName)	false
Identifier <String> The name or distinguished name of an existing Active Directory object. When the name is specified, an additional call to the DRA Server is needed to obtain the distinguished name for the object.	true	named		true (ByPropertyName)	false
Domain <String> The domain of the object in fqdn format. For example: `mydomain.corp`	true	named		true (ByPropertyName)	false

Attribute / Description	Parameters / Values				
	Required	**Position**	**Default Value**	**Accept Pipeline input?**	**Accept wildcard characters?**
DRARestServer [<String>] The name of the computer running the DRA Rest Service. The requested DRA operation will execute on this server. If the parameter is not specified, the value defaults to 'localhost'.	false	named		true (ByPropertyName	false
DRARestPort [<Int32>] The port where the DRA REST Service listens for requests. If the parameter is not specified, the value defaults to 8755.	false	named	8755	true (ByPropertyName	false
IgnoreCertificateErrors [<SwitchParameter>] Allows the request to bypass any SSL certificate errors, such as the InvalidOperation error that occurs when the REST Service is bound to a self-signed certificate.	false	named		false	false
Force [<SwitchParameter>] Suppresses any request for user input and supplies a 'yes' response. For example: -Force with a delete request will perform the delete without presenting the confirmation request to the user.	false	named		false	false
Timeout [<Int32>] The number of seconds to wait before the request to the DRA REST server times out. To specify an infinite timeout, you can set this parameter to -1.	false	named	100 seconds	true (ByPropertyName)	false

Attribute / Description	Parameters / Values				
	Required	Position	Default Value	Accept Pipeline input?	Accept wildcard characters?
<CommonParameters> Verbose, Debug, ErrorAction, ErrorVariable, WarningAction, WarningVariable, OutBuffer, PipelineVariable, and OutVariable. For more information, see About CommonParameters (http://go.microsoft.com/fwlink/?LinkID=113216).					

NOTE: For more information, type "`Get-Help Add-DRAGroup -detailed`". For technical information, type "`Get-Help Add-DRAGroup -full`".

Example 16-2 *1*

```
PS C:\>Add-DRAGroup  -Domain MyDomain.corp -Properties
@{FriendlyParentPath="MyDomain.corp/
Accounting";Name="GROUP123";Description="PS Desc
001";ManagedBy="CN=George,CN=Users,DC=MYDOMAIN,DC=corp";samAccountName="CO
MP123sam"} -GroupType "Distribution" -GroupScope "Universal"
```

This example creates the group GROUP123 in Active Directory using the Name and DRA FriendlyParentPath properties. The group will be created in the domain MyDomain.corp in the Accounting OU. There are three properties set on this group: Description, ManagedBy and samAccountName. The group will be a universal distribution group.

Example 16-3 *2*

```
PS C:\>Add-DRAGroup  -Domain MyDomain.corp -Properties
@{FriendlyParentPath="MyDomain.corp/
Accounting";Name="GROUP123";Description="PS Desc
001";ManagedBy="CN=George,CN=Users,DC=MYDOMAIN,DC=corp";samAccountName="CO
MP123sam"} -GroupType "Distribution" -GroupScope "Universal"
```

This example creates the group GROUP123 in Active Directory using the Name and DRA FriendlyParentPath properties. The group will be created in the domain MyDomain.corp in the Accounting OU. There are three properties set on this group: Description, ManagedBy, and samAccountName. The group will be a universal distribution group.

Example 16-4 *3*

```
PS C:\>Add-DRAGroup  -Domain MyDomain.corp -Properties
@{DistinguishedName="CN=GROUP123,OU=Accounting,DC=MyDomain,DC=corp";Descri
ption="Group for powershell"} -GroupType "Security" -GroupScope "Global"
```

This example creates a group named GROUP123 in Active Directory using the DRA DistinguishedName property. The group will be created in the domain MyDomain.corp in the Accounting OU. Description is the only property set on this group. The group will be a global security group.

Example 16-5 *4*

```
PS C:\>Add-DRAGroup -Domain MyDomain.corp -DynamicFilterRootContainer
"OU=OU01,DC=MyDom,DC=corp" -DynamicFilterLDAPQuery
"(&(objectClass=user)(objectCategory=person))" -
DynamicFilterIncludeChildren -Properties
@{distinguishedName="CN=GROUP123,OU=Accounting,DC=MyDomain,DC=corp";
WhiteList="CN=Add Me,OU=XXX,DC=MyDom,DC=corp", "CN=Add
Me2,OU=YYY,DC=MyDom,DC=corp"; BlackList="CN=Skip
Me,OU=OU01,DC=MyDom,DC=corp", "CN=SkipMe2,OU=OU01,DC=MyDom,DC=corp"}
```

This command creates a dynamic group by specifying the DynamicFilterLDAPQuery and DynamicFilterRootContainer parameters. DynamicFilterIncludeChildren indicates that the group includes objects from the DynamicFilterRootContainer and all of its children. Group members will also include the two accounts listed in the WhiteList property, even though the accounts do not match the filter criteria. The two BlackList accounts will be excuded from the group, even though they are users in the DynamicFilterRootContainer.

Example 16-6 *5*

```
PS C:\>Add-DRAGroup  -Domain MyDomain.corp -
Properties@{FriendlyName="MyDomain.corp/Accounting/
GROUP123";Description="Group for
powershell";ManagedBy="CN=George,CN=Users,DC=MYDOMAIN,DC=corp"} -GroupType
"Security" -GroupScope "Domain local"
```

This example creates a group named GROUP123 in Active Directory using the DRA FriendlyName property. The group will be created in the domain MyDomain.corp in the Accounting OU. There are two properties set on this group: Description and ManagedBy. The group will be a domain local security group.

Add-DRAGroupMembers

Synopsis

Adds members to an existing Active Directory group managed by DRA.

Syntax

```
Add-DRAGroupMembers -Domain <String> [-Computers <String[]>] [-Contacts
<String[]>] [-Gmsas <String[]>] [-Groups <String[]>] [-Users <String[]>] -
Identifier <String> [-DRARestServer <String>] [-DRARestPort <Int32>] [-
IgnoreCertificateErrors <SwitchParameter>] [-Force <SwitchParameter>] [-
Timeout <Int32>] [<CommonParameters>]
```

Description

The Add-DRAGroupMembers cmdlet adds objects to a group managed by DRA. The requesting user must have one of the Modify Group Membership powers. The command accepts arrays of identifiers for each of the supported object types that can be members of a group: Contacts, Computers, Group Managed Service Accounts, Groups, and Users. At least one identifier must be specified.

IMPORTANT: Adding a synced user to a group associated with a Office 365 policy creates an Exchange Online mailbox for the synced user.

Parameters

Attribute / Description	Parameters / Values				
	Required	**Position**	**Default Value**	**Accept Pipeline input?**	**Accept wildcard characters?**
Computers [<String[]>] An array of existing Active Directory computer identifiers to add to or remove from the group. An identifier can be either a name or a distinguished name.	false	named		true (ByPropertyName)	false
Contacts [<String>] An array of existing Active Directory contact identifiers to add to or remove from the group. An identifier can be either a name or a distinguished name.	false	named		true (ByPropertyName)	false
Gmsas [<String[]>] An array of existing Active Directory group managed service account identifiers to add to or remove from the group. An identifier can be either a name or a distinguished name. When an identifier is a name, an additional call to the DRA Server is made to query for the distinguished name.	false	named		true (ByPropertyName)	false
Groups [<String[]>] An array of existing Active Directory group identifiers to add to or remove from the group. An identifier can be either a name or a distinguished name.	false	named		true (ByPropertyName)	false

Attribute / Description	Parameters / Values				
	Required	**Position**	**Default Value**	**Accept Pipeline input?**	**Accept wildcard characters?**
Users [<String[]>] An array of existing Active Directory user identifiers to add to or remove from the group. An identifier can be either a name or a distinguished name.	false	named		true (ByPropertyName)	false
I***dentifier <String>*** The name or distinguished name of an existing Active Directory object. When the name is specified, an additional call to the DRA Server is needed to obtain the distinguished name for the object.	true	named		true (ByPropertyName)	false
Domain <String> The domain of the object in fqdn format. For example: `mydomain.corp`	true	named		true (ByPropertyName)	false
DRARestServer [<String>] The name of the computer running the DRA Rest Service. The requested DRA operation will execute on this server. If the parameter is not specified, the value defaults to 'localhost'.	false	named		true (ByPropertyName)	false
DRARestPort [<Int32>] The port where the DRA REST Service listens for requests. If the parameter is not specified, the value defaults to 8755.	false	named	8755	true (ByPropertyName)	false
IgnoreCertificateErrors [<SwitchParameter>] Allows the request to bypass any SSL certificate errors, such as the InvalidOperation error that occurs when the REST Service is bound to a self-signed certificate.	false	named		false	false

Attribute / Description	Parameters / Values				
	Required	**Position**	**Default Value**	**Accept Pipeline input?**	**Accept wildcard characters?**
Force [<SwitchParameter>] Suppresses any request for user input and supplies a 'yes' response. For example: -Force with a delete request will perform the delete without presenting the confirmation request to the user.	false	named		false	false
Timeout [<Int32>] The number of seconds to wait before the request to the DRA REST server times out. To specify an infinite timeout, you can set this parameter to -1.	false	named	100 seconds	true (ByPropertyName)	false
<CommonParameters> Verbose, Debug, ErrorAction, ErrorVariable, WarningAction, WarningVariable, OutBuffer, PipelineVariable, and OutVariable. For more information, see About CommonParameters (http://go.microsoft.com/fwlink/?LinkID=113216).					

NOTE: For more information, type "`Get-Help Add-DRAGroupMembers -detailed`". For technical information, type "`Get-Help Add-DRAGroupMembers -full`".

Example 16-7 *1*

```
PS C:\>Add-DRAGroupMembers -Identifier
"CN=MyGroup,OU=XYZ,DC=MYDOMAIN,DC=corp"  -Domain "DRDOM610.lab" -Contacts
"MyDomain.corp/OU-A/OU-A1/Contact02CN" -Computers "CN=TESTCREATE12,OU=XYZ-
Child,OU=XYZ,DC=MYDOMAIN,DC=corp" -Gmsas "CN=GMSA123,CN=Managed Service
Accounts,DC=MYDOMAIN,DC=corp" -Groups
"CN=TestGroup06,OU=Accounting,DC=MYDOMAIN,DC=corp" -Users "CN=User
DN22,OU=Users,OU=ABC,OU=ABC-Parent,DC=MYDOMAIN,DC=corp",
"CN=UserFriendly01,OU=XYZ-Child,OU=XYZ,DC=MYDOMAIN,DC=corp"
```

This example adds members to a group named MyGroup in Active Directory. Five members are listed: one each of Contacts, Computers, Group Managed Service Accounts, and Groups, and two Users.

Copy-DRAGroup

Synopsis

Copies an existing group to a new group.

Syntax

```
Copy-DRAGroup -Domain <String> [-NoCopyMembers <SwitchParameter>] [-
RemoveDynamicFilter <SwitchParameter>] [-DynamicFilterIncludeChildren
<SwitchParameter>] [-DynamicFilterLDAPQuery <String>] [-
DynamicFilterRootContainer <String>] -Properties <Hashtable> -Identifier
<String> [-DRARestServer <String>] [-DRARestPort <Int32>] [-
IgnoreCertificateErrors <SwitchParameter>] [-Force <SwitchParameter>] [-
Timeout <Int32>] [<CommonParameters>]
```

Description

The Copy-DRAGroup cmdlet copies an existing group to a new group.

The values provided in the -Properties parameter will overwrite the values provided by the existing group. You must supply properties to give the new group a name and a location. See the help for the Add-DRAGroup cmdlet for examples of how to define the new group. The response contains the string generated by the server.

Parameters

Attribute / Description	Parameters / Values				
	Required	**Position**	**Default Value**	**Accept Pipeline input?**	**Accept wildcard characters?**
NoCopyMembers [<SwitchParameter>]	false	named		false	false
Specifies NOT to copy all members information from source group. If the parameter is not specified, the value false and the members will be copied.					
RemoveDynamicFilter [<SwitchParameter>]	false	named		false	false
Allows the request to bypass any SSL certificate errors, such as the InvalidOperation error that occurs when the REST Service is bound to a self-signed certificate.					

Attribute / Description	Parameters / Values				
	Required	**Position**	**Default Value**	**Accept Pipeline input?**	**Accept wildcard characters?**
DynamicFilterIncludeChildren [<SwitchParameter>] Allows the request to bypass any SSL certificate errors, such as the InvalidOperation error that occurs when the REST Service is bound to a self-signed certificate.	false	named		false	false
DynamicFilterLDAPQuery [<String>] Allows the request to bypass any SSL certificate errors, such as the InvalidOperation error that occurs when the REST Service is bound to a self-signed certificate.	false	named		false	false
DynamicFilterVAQuery [<String>] Specifies the virtual attribute query for dynamic group member filter. For example: `(&(objectClass=User)(MyVA=*))`	false	named		false	false
DynamicFilterRootContainer [<String>] Allows the request to bypass any SSL certificate errors, such as the InvalidOperation error that occurs when the REST Service is bound to a self-signed certificate.	false	named		false	false

Attribute / Description	Parameters / Values				
	Required	**Position**	**Default Value**	**Accept Pipeline input?**	**Accept wildcard characters?**
Properties <Hashtable> A hashtable of property values. The key is the name of a defined attribute in the REST interface. For example: `-Properties @{Attribute1DRADisplayName="my value"; Attribute2DRADisplayName=value}` Multiple values are specified as a comma-separated list. For example: `-Properties @{Attribute1DRADisplayName=value1, value2}` If the property name contains non-alphanumeric characters it needs to be quoted. For example: `-Properties @{"Attribute1-DRA-DisplayName"=value}` If the property value contains a quote it needs to be escaped with a backtick (`).  For example: `-Properties @{Attribute1DRADisplayName="`"sample`" value"}`	true	named		true (ByPropertyName)	false
Identifier <String> The name or distinguished name of an existing Active Directory object. When the name is specified, an additional call to the DRA Server is needed to obtain the distinguished name for the object.	true	named		true (ByPropertyName)	false
Domain <String> The domain of the object in fqdn format. For example: `mydomain.corp`	true	named		true (ByPropertyName)	false

Attribute / Description	Parameters / Values				
	Required	**Position**	**Default Value**	**Accept Pipeline input?**	**Accept wildcard characters?**
DRARestServer [<String>] The name of the computer running the DRA Rest Service. The requested DRA operation will execute on this server. If the parameter is not specified, the value defaults to 'localhost'.	false	named		true (ByPropertyName	false
DRARestPort [<Int32>] The port where the DRA REST Service listens for requests. If the parameter is not specified, the value defaults to 8755.	false	named	8755	true (ByPropertyName	false
IgnoreCertificateErrors [<SwitchParameter>] Allows the request to bypass any SSL certificate errors, such as the InvalidOperation error that occurs when the REST Service is bound to a self-signed certificate.	false	named		false	false
Force [<SwitchParameter>] Suppresses any request for user input and supplies a 'yes' response. For example: -Force with a delete request will perform the delete without presenting the confirmation request to the user.	false	named		false	false
Timeout [<Int32>] The number of seconds to wait before the request to the DRA REST server times out. To specify an infinite timeout, you can set this parameter to -1.	false	named	100 seconds	true (ByPropertyName)	false

Attribute / Description	Parameters / Values				
	Required	Position	Default Value	Accept Pipeline input?	Accept wildcard characters?
<CommonParameters> Verbose, Debug, ErrorAction, ErrorVariable, WarningAction, WarningVariable, OutBuffer, PipelineVariable, and OutVariable. For more information, see About CommonParameters (http://go.microsoft.com/fwlink/?LinkID=113216).					

NOTE: For more information, type "`Get-Help Copy-DRAGroup -detailed`". For technical information, type "`Get-Help Copy-DRAGroup -full`".

Example 16-8 *1*

```
PS C:\>Copy-DRAGroup -Identifier "Groupsource" -Domain MyDomain.corp -
DynamicFilterRootContainer "OU=OU01,DC=MyDom,DC=corp" -
DynamicFilterLDAPQuery "(&(objectClass=user)(objectCategory=person))" -
DynamicFilterIncludeChildren
-Properties
@{distinguishedName="CN=GROUP123,OU=Accounting,DC=MyDomain,DC=corp";
WhiteList="CN=Add Me,OU=XXX,DC=MyDom,DC=corp","CN=Add
Me2,OU=YYY,DC=MyDom,DC=corp"; BlackList="CN=Skip
Me,OU=OU01,DC=MyDom,DC=corp","CN=Skip Me2,OU=OU01,DC=MyDom,DC=corp"}
```

This command example copies a dynamic group by specifying the source Identifier and the DynamicFilterLDAPQuery and DynamicFilterRootContainer parameters. The distinguishedName will become the destination dynamic group name. DynamicFilterIncludeChildren indicates that the group includes objects from the DynamicFilterRootContainer and all of its children. Group members may also include the two accounts listed in the WhiteList property, even though the accounts do not match the filter criteria. The two BlackList accounts will be excuded from the group, even though they are users in the DynamicFilterRootContainer.

Example 16-9 *2*

```
PS C:\>Copy-DRAGroup -Identifier "Groupsource" -NoCopyMembers -Properties
@{distinguishedName="CN=Group123,OU=Tax,DC=MyDomain,DC=corp"} -domain
MyDomain.corp
```

This command example will copy the group named Groupsource to a new group named Group123 in the Tax OU in MyDomain.corp. The members of Groupsource will not be copied to Group123. Otherwise, the properties of Group123 will be the same as the properties of Groupsource.

Example 16-10 *3*

```
PS C:\>Copy-DRAGroup -Identifier
"CN=Groupsource,OU=Accounting,DC=MyDomain,DC=corp" -Properties
@{distinguishedName="CN=Group123,OU=Tax,DC=MyDomain,DC=corp"} -domain
MyDomain.corp
```

This command example will copy the group named Groupsource from the Accounting OU in MyDomain.corp to a new group named Group123 in the Tax OU in MyDomain.corp. The properties of Group123 will be the same as the properties of Groupsource.

Example 16-11 *4*

```
PS C:\>Copy-DRAGroup -Identifier
"CN=Groupsource,OU=Accounting,DC=MyDomain,DC=corp" -Properties
@{distinguishedName="CN=Group123,OU=Tax,DC=MyDomain,DC=corp";Description="
Tax group"} -domain MyDomain.corp
```

This command example will copy the group named Groupsource from the Accounting OU in MyDomain.corp to a new group named Group123 in the Tax OU in MyDomain.corp. The Description property for Group123 will be set to 'Tax group'.

Disable-DRAGroupEmail

Synopsis

Disables email for the group account specified by the Identifier parameter.

Syntax

```
Disable-DRAGroupEmail -Domain <String> -Identifier <String> [-
DRARestServer <String>] [-DRARestPort <Int32>] [-IgnoreCertificateErrors
<SwitchParameter>] [-Force <SwitchParameter>] [-Timeout <Int32>]
[<CommonParameters>]
```

Description

The Disable-DRAGroupEmail cmdlet disables email on the account specified by the Identifier parameter. The requesting user must have the Delete Email for Group power.

Parameters

Attribute / Description	Parameters / Values				
	Required	**Position**	**Default Value**	**Accept Pipeline input?**	**Accept wildcard characters?**
I***dentifier <String>*** The name or distinguished name of an existing Active Directory object. When the name is specified, an additional call to the DRA Server is needed to obtain the distinguished name for the object.	true	named		true (ByPropertyName)	false
Domain <String> The domain of the object in fqdn format. For example: `mydomain.corp`	true	named		true (ByPropertyName)	false
DRARestServer [<String>] The name of the computer running the DRA Rest Service. The requested DRA operation will execute on this server. If the parameter is not specified, the value defaults to 'localhost'.	false	named		true (ByPropertyName)	false
DRARestPort [<Int32>] The port where the DRA REST Service listens for requests. If the parameter is not specified, the value defaults to 8755.	false	named	8755	true (ByPropertyName)	false
IgnoreCertificateErrors [<SwitchParameter>] Allows the request to bypass any SSL certificate errors, such as the InvalidOperation error that occurs when the REST Service is bound to a self-signed certificate.	false	named		false	false
Force [<SwitchParameter>] Suppresses any request for user input and supplies a 'yes' response. For example: -Force with a delete request will perform the delete without presenting the confirmation request to the user.	false	named		false	false

Attribute / Description	Parameters / Values				
	Required	**Position**	**Default Value**	**Accept Pipeline input?**	**Accept wildcard characters?**
Timeout [<Int32>] The number of seconds to wait before the request to the DRA REST server times out. To specify an infinite timeout, you can set this parameter to -1. ***<CommonParameters>*** Verbose, Debug, ErrorAction, ErrorVariable, WarningAction, WarningVariable, OutBuffer, PipelineVariable, and OutVariable. For more information, see About CommonParameters (http://go.microsoft.com/fwlink/?LinkID=113216).	false	named	100 seconds	true (ByPropertyName)	false

NOTE: For more information, type "`Get-Help Disable-DRAGroupEmail -detailed`". For technical information, type "`Get-Help Disable-DRAGroupEmail -full`".

Example 16-12 *1*

```
PS C:\>Disable-DRAGroupEmail  -Domain MyDomain.corp -Identifier
"CN=GRP123,OU=Accounting,DC=MyDomain,DC=corp"
```

This example disables email for the group named GRP123 in MyDomain.corp. The identifier contains the distinguished name for the account.

Enable-DRAGroupEmail

Synopsis

Enables email for the group account specified by the Identifier parameter.

Syntax

```
Enable-DRAGroupEmail -Domain <String> -ExchangeDN <String> -EmailAddress
<String> -Identifier <String> [-DRARestServer <String>] [-DRARestPort
<Int32>] [-IgnoreCertificateErrors <SwitchParameter>] [-Force
<SwitchParameter>] [-Timeout <Int32>] [<CommonParameters>]
```

Description

The Enable-DRAGroupEmail cmdlet enables email for the specified group account. The requesting user must have the Enable Email for Group power.

Parameters

Attribute / Description	Parameters / Values				
	Required	**Position**	**Default Value**	**Accept Pipeline input?**	**Accept wildcard characters?**
ExchangeDN <String> A Full path to the Exchange service. Use the `Get-DRAExchangeServers` command to obtain the list of Exchange servers managed through DRA.	true	named		false	false
EmailAddress<String> The full email address for the account. For example: `MyUserName@mydomain.corp`.	true	named		false	false
Identifier <String> The name or distinguished name of an existing Active Directory object. When the name is specified, an additional call to the DRA Server is needed to obtain the distinguished name for the object.	true	named		true (ByPropertyName)	false
Domain <String> The domain of the object in fqdn format. For example: `mydomain.corp`	true	named		true (ByPropertyName)	false
DRARestServer [<String>] The name of the computer running the DRA Rest Service. The requested DRA operation will execute on this server. If the parameter is not specified, the value defaults to 'localhost'.	false	named		true (ByPropertyName	false

Attribute / Description	Parameters / Values				
	Required	**Position**	**Default Value**	**Accept Pipeline input?**	**Accept wildcard characters?**
DRARestPort [<Int32>] The port where the DRA REST Service listens for requests. If the parameter is not specified, the value defaults to 8755.	false	named	8755	true (ByPropertyName	false
IgnoreCertificateErrors [<SwitchParameter>] Allows the request to bypass any SSL certificate errors, such as the InvalidOperation error that occurs when the REST Service is bound to a self-signed certificate.	false	named		false	false
Force [<SwitchParameter>] Suppresses any request for user input and supplies a 'yes' response. For example: -Force with a delete request will perform the delete without presenting the confirmation request to the user.	false	named		false	false
Timeout [<Int32>] The number of seconds to wait before the request to the DRA REST server times out. To specify an infinite timeout, you can set this parameter to -1. ***<CommonParameters>*** Verbose, Debug, ErrorAction, ErrorVariable, WarningAction, WarningVariable, OutBuffer, PipelineVariable, and OutVariable. For more information, see About CommonParameters (http://go.microsoft.com/fwlink/?LinkID=113216).	false	named	100 seconds	true (ByPropertyName)	false

NOTE: For more information, type "`Get-Help Enable-DRAGroupEmail -detailed`". For technical information, type "`Get-Help Enable-DRAGroupEmail -full`".

Example 16-13 *1*

```
PS C:\>Enable-DRAGroupEmail -Domain MyDomain.corp -Identifier
"CN=GRP123,OU=Accounting,DC=MyDomain,DC=corp" -ExchangeDN "/o=First/
ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/CN=Recipients/
CN=GRP123" -EmailAddress "GRP123@MyDomain.corp
```

This example enables email for the user named GRP123 in MyDomain.corp. The identifier contains the distinguished name for the group.

Get-DRAGroup

Synopsis

Gets information about an Active Directory group account.

Syntax

```
Get-DRAGroup -Domain <String> [-IncludeAllVAProperties <SwitchParameter>]
[-Attributes <String[]>] [-PowersForOperations <String[]>] [-
VisiblePropertiesOnly <SwitchParameter>] -Identifier <String> [-
DRARestServer <String>] [-DRARestPort <Int32>] [-IgnoreCertificateErrors
<SwitchParameter>] [-Force <SwitchParameter>] [-Timeout <Int32>]
[<CommonParameters>]
```

Description

The Get-DRAGroup cmdlet returns the properties of the requested group account managed by DRA. The requesting user must have the View All Group Properties power. You can view the default list of properties or specify specific properties. The default properties of a group account include: `SamAccountName`, `DistinguishedName`, `Description`, `FriendlyName`, `FriendlyPath`, `WinNTPath`, and `IsDynamic`.

See the examples for information on how to view specific properties.

Parameters

Attribute / Description	Parameters / Values				
	Required	**Position**	**Default Value**	**Accept Pipeline input?**	**Accept wildcard characters?**
IncludeAllVAProperties [<SwitchParameter>] A flag to indicate whether DRA should return the virtual attributes. If you specify this flag, DRA returns the virtual attributes that the user has powers to view. If you specify the `Attributes` parameter along with this flag, DRA returns the virtual attributes along with the properties specified in the `Attributes` parameter.	false	named		false	false
Attributes [<String[]>] An array of attributes to retrieve values for. If this parameter is missing, a default list of properties is returned.	false	named		true (ByPropertyName)	false
PowersForOperations [<String[]>] An array of DRA operation names for which you want the server to return read/write permission information.This parameter is typically used by a UI-based client to hide or disable elements the calling user doesn't have powers for. The `PowersForOperations` parameter is applicable only if you have specified the `Identifier` parameter.	false	named		true (ByPropertyName)	false

Attribute / Description	Parameters / Values				
	Required	**Position**	**Default Value**	**Accept Pipeline input?**	**Accept wildcard characters?**
VisiblePropertiesOnly [<SwitchParameter>] A flag to indicate whether DRA should return only properties the caller has powers to view. By default DRA will return an error if the caller requests a property that they do not have powers to view. By specifying this flag DRA is instructed to not return an error and instead just not return a value for such properties.	false	named		false	false
Identifier <String> The name or distinguished name of an existing Active Directory object. When the name is specified, an additional call to the DRA Server is needed to obtain the distinguished name for the object.	true	named		true (ByPropertyName)	false
Domain <String> The domain of the object in fqdn format. For example: `mydomain.corp`	true	named		true (ByPropertyName)	false
DRARestServer [<String>] The name of the computer running the DRA Rest Service. The requested DRA operation will execute on this server. If the parameter is not specified, the value defaults to 'localhost'.	false	named		true (ByPropertyName)	false
DRARestPort [<Int32>] The port where the DRA REST Service listens for requests. If the parameter is not specified, the value defaults to 8755.	false	named	8755	true (ByPropertyName)	false

Attribute / Description	Parameters / Values				
	Required	**Position**	**Default Value**	**Accept Pipeline input?**	**Accept wildcard characters?**
IgnoreCertificateErrors [<SwitchParameter>] Allows the request to bypass any SSL certificate errors, such as the InvalidOperation error that occurs when the REST Service is bound to a self-signed certificate.	false	named		false	false
Force [<SwitchParameter>] Suppresses any request for user input and supplies a 'yes' response. For example: -Force with a delete request will perform the delete without presenting the confirmation request to the user.	false	named		false	false
Timeout [<Int32>] The number of seconds to wait before the request to the DRA REST server times out. To specify an infinite timeout, you can set this parameter to -1. ***<CommonParameters>*** Verbose, Debug, ErrorAction, ErrorVariable, WarningAction, WarningVariable, OutBuffer, PipelineVariable, and OutVariable. For more information, see About CommonParameters (http://go.microsoft.com/fwlink/?LinkID=113216).	false	named	100 seconds	true (ByPropertyName)	false

NOTE: For more information, type "`Get-Help Get-DRAGroup -detailed`". For technical information, type "`Get-Help Get-DRAGroup -full`".

Example 16-14 *1*

```
PS C:\>Get-DRAGroup  -Domain MyDomain.corp -Identifier
"CN=GROUP123,OU=Accounting,DC=MyDomain,DC=corp"
```

This example requests the properties of the group named GROUP123 in MyDomain.corp. The identifier contains the distinguished name for the group.

Example 16-15 *2*

```
PS C:\>Get-DRAGroup -Domain MyDomain.corp -Identifier "GROUP123" -
Attributes "Description","DisplayName",
"DistinguishedName","FriendlyPath","FriendlyParentPath","FriendlyName","Sa
mAccountName"
```

This example requests the properties of the group named GROUP123 in MyDomain.corp. The Attributes parameter specifies what properties to return. When the Attributes parameter is not present, a default list of properties will be returned.

Example 16-16 *3*

```
PS C:\>Get-DRAGroup  -Domain MyDomain.corp -Identifier "GROUP123"
```

This example requests the properties of the group named GROUP123 in MyDomain.corp. The identifier contains the name for the group. When the name is used, DRA resolves the name to the distinguished name and then requests the properties for the group.

Example 16-17 *3*

```
Get-DRAGroup -Domain MyDomain.corp -Identifier "GROUP123" -Attributes
"Description","DisplayName" -IncludeAllVAProperties
```

This example requests the properties of the group named GROUP123 in the "MyDomain.corp" domain. The `Attributes` parameter specifies the properties to return. The `IncludeAllVAProperties` parameter returns all virtual attributes that the assistant administrator has powers to view.

Get-DRAGroupMembers

Synopsis

Retrieves the list of members for an Active Directory group.

Syntax

```
Get-DRAGroupMembers -Domain <String> -Identifier <String> [-ContainerDN
<String>] [-EnforceServerLimit <SwitchParameter>] [-IncludeChildContainers
<SwitchParameter>] [-ObjectsPerResponse <Int32>] [-ResumeString <String>]
[-Attributes <String[]>] [-DRARestServer <String>] [-DRARestPort <Int32>]
[-IgnoreCertificateErrors <SwitchParameter>] [-Force <SwitchParameter>] [-
Timeout <Int32>] [<CommonParameters>]
```

Description

The Get-DRAGroupMembers cmdlet returns the members of the requested group account managed by DRA. The requesting user must have the View All Group Properties power. You can view the default list of properties or specify specific properties. You can also control the number of members returned in the results, and iterate result sets, if necessary. See the help examples for information on how to view specific properties and control the pages of results returned from the server. The

response will also have the property TotalObjectCount which contains the total number of results available from the server. You can use this property to determine the total number of members in the group, and the number of result sets that will be needed to process all of the members.

Parameters

Attribute / Description	Parameters / Values				
	Required	**Position**	**Default Value**	**Accept Pipeline input?**	**Accept wildcard characters?**
Identifier <String> The name or distinguished name of an existing Active Directory object. When the name is specified, an additional call to the DRA Server is needed to obtain the distinguished name for the object.	true	named		true (ByPropertyName)	false
Domain <String> The domain of the object in fqdn format. For example: `mydomain.corp`	true	named		true (ByPropertyName)	false
ContainerDN [<String>] The full path to the container to search in distinguished name format. For example: `-ContainerDN "OU=Accounting,DC=MyDomain,DC=corp"`	false	named		false	false
EnforceServerLimit [<SwitchParameter>] A switch parameter to indicate that the search results should be limited by the search result limit on the DRA Server. The typical server limit is 1000 items. The default is true.	false	named		false	false
IncludeChildContainers [<SwitchParameter>] A switch parameter to request that the search include child containers. The default is false: only the container named in the ContainerDN parameter is searched.	false	named		false	false

Attribute / Description	Parameters / Values				
	Required	**Position**	**Default Value**	**Accept Pipeline input?**	**Accept wildcard characters?**
ObjectsPerResponse [<Nullable`1>] The number of objects to return in a response. The default is 250.	false	named		false	false
ResumeString [<String>] When multiple responses are needed to return all of the search results to the client, this parameter indicates the last item returned from the server. The value of this parameter would be set using the ResumeString property from the previous set of results. The ResumeString may look like this: "CN=MYUser160,CN=Users,DC=MyDomain,DC=corp". The `EnforceServerLimit`, `ObjectsPerResponse`, and `ResumeString` parameters are applicable only when the `Identifier` parameter is not specified.	false	named		false	false
Attributes [<String[]>] An array of attributes to retrieve values for. If this parameter is missing, a default list of properties is returned.	false	named		true (ByPropertyName)	false
DRARestServer [<String>] The name of the computer running the DRA Rest Service. The requested DRA operation will execute on this server. If the parameter is not specified, the value defaults to 'localhost'.	false	named		true (ByPropertyName	false
DRARestPort [<Int32>] The port where the DRA REST Service listens for requests. If the parameter is not specified, the value defaults to 8755.	false	named	8755	true (ByPropertyName	false

Attribute / Description	Parameters / Values				
	Required	**Position**	**Default Value**	**Accept Pipeline input?**	**Accept wildcard characters?**
IgnoreCertificateErrors [<SwitchParameter>] Allows the request to bypass any SSL certificate errors, such as the InvalidOperation error that occurs when the REST Service is bound to a self-signed certificate.	false	named		false	false
Force [<SwitchParameter>] Suppresses any request for user input and supplies a 'yes' response. For example: -Force with a delete request will perform the delete without presenting the confirmation request to the user.	false	named		false	false
Timeout [<Int32>] The number of seconds to wait before the request to the DRA REST server times out. To specify an infinite timeout, you can set this parameter to -1.	false	named	100 seconds	false	false
<CommonParameters> Verbose, Debug, ErrorAction, ErrorVariable, WarningAction, WarningVariable, OutBuffer, PipelineVariable, and OutVariable. For more information, see About CommonParameters (http://go.microsoft.com/fwlink/?LinkID=113216).					

NOTE: For more information, type "`Get-Help Get-DRAGroupMembers -detailed`". For technical information, type "`Get-Help Get-DRAGroupMembers -full`".

Example 16-18 *1*

```
PS C:\>Get-DRAGroupMembers -Domain MyDomain.corp -Identifier "GROUP123"
```

This example requests the members of the group named GROUP123 in MyDomain.corp. The identifier contains the name for the group. The rest server will first request the distinguished name for the group and then request the list of members. The results will contain a default list of properties.

Example 16-19 *2*

```
PS C:\>Get-DRAGroupMembers -Domain MyDomain.corp -Identifier
"CN=GROUP123,OU=Sales,DC=MyDomain,DC=corp"  -Attributes
"DistinguishedName","FriendlyName"
```

This example requests the members of the group named GROUP123 in MyDomain.corp. Identifier contains the distinguished name for the group. The results will contain the properties DistinguishedName and FriendlyName for each member.

Example 16-20 *3*

```
PS C:\>Get-DRAGroupMembers -Domain MyDomain.corp -Identifier
"CN=GROUP123,OU=Sales,DC=MyDomain,DC=corp"  -Attributes
"DistinguishedName","FriendlyName" -ObjectsPerResponse 500 -ResumeString
"CN=Accounting-DG,OU=Accounting,OU=Brasilia,OU=Parent
Company,DC=MyDomain,DC=corp
```

This example requests the members of the group named GROUP123 in MyDomain.corp. Identifier contains the distinguished name for the group.The results will contain the properties DistinguishedName and FriendlyName for each member. The server will return 500 items in the result, and it will begin the results with the next item after the one listed in the ResumeString parameter. ResumeString is used when there are multiple pages of results to be returned. When more data is available, the results will contain the ResumeString property that can be used to request the next page of results.

Get-DRAGroupMembership

Synopsis

Retrieves the list of groups that contain the Active Directory object specified by the Identifier and IdentifierClass parameters.

Syntax

```
Get-DRAGroupMembership -Domain <String> -IdentifierClass <String> -
Identifier <String> [-ContainerDN <String>] [-EnforceServerLimit
<SwitchParameter>] [-IncludeChildContainers <SwitchParameter>] [-
ObjectsPerResponse <Int32>] [-ResumeString <String>] [-Attributes
<String[]>] [-DRARestServer <String>] [-DRARestPort <Int32>] [-
IgnoreCertificateErrors <SwitchParameter>] [-Force <SwitchParameter>] [-
Timeout <Int32>] [<CommonParameters>]
```

Description

The Get-DRAGroupMembership cmdlet returns the groups that have the Identifier object as a member. The requesting user must have the View All Group Properties power. You can view the default list of properties or request specific properties. You can also control the number of groups returned in the results, and iterate result sets, if necessary. See the examples for information on how to view specific properties and how to control the pages of results returned from the server. The response will also have the property TotalObjectCount which contains the total number of groups having the Identifier object as a member.

Parameters

Attribute / Description	Parameters / Values				
	Required	**Position**	**Default Value**	**Accept Pipeline input?**	**Accept wildcard characters?**
IdentifierClass <String> Specifies the object type of Identifier. Valid values are: computer, contact, group, and user.	true	named		true (ByPropertyName)	false
Identifier <String> The name or distinguished name of an existing Active Directory object. When the name is specified, an additional call to the DRA Server is needed to obtain the distinguished name for the object.	true	named		true (ByPropertyName)	false
Domain <String> The domain of the object in fqdn format. For example: `mydomain.corp`	true	named		true (ByPropertyName)	false
DRARestServer [<String>] The name of the computer running the DRA Rest Service. The requested DRA operation will execute on this server. If the parameter is not specified, the value defaults to 'localhost'.	false	named		true (ByPropertyName	false
DRARestPort [<Int32>] The port where the DRA REST Service listens for requests. If the parameter is not specified, the value defaults to 8755.	false	named	8755	true (ByPropertyName	false
IgnoreCertificateErrors [<SwitchParameter>] Allows the request to bypass any SSL certificate errors, such as the InvalidOperation error that occurs when the REST Service is bound to a self-signed certificate.	false	named		false	false

Attribute / Description	Parameters / Values				
	Required	**Position**	**Default Value**	**Accept Pipeline input?**	**Accept wildcard characters?**
Force [<SwitchParameter>] Suppresses any request for user input and supplies a 'yes' response. For example: -Force with a delete request will perform the delete without presenting the confirmation request to the user.	false	named		false	false
Timeout [<Int32>] The number of seconds to wait before the request to the DRA REST server times out. To specify an infinite timeout, you can set this parameter to -1.	false	named	100 seconds	true (ByPropertyName)	false
<CommonParameters> Verbose, Debug, ErrorAction, ErrorVariable, WarningAction, WarningVariable, OutBuffer, PipelineVariable, and OutVariable. For more information, see About CommonParameters (http://go.microsoft.com/fwlink/?LinkID=113216).					

NOTE: For more information, type "`Get-Help Get-DRAGroupMembership -detailed`". For technical information, type "`Get-Help Get-DRAGroupMembership -full`".

Example 16-21 *1*

```
PS C:\>Get-DRAGroupMembership -Domain MyDomain.corp -Identifier
"CN=George,OU=IT13,DC=MyDomain,DC=corp" -IdentifierClass "user" -
Attributes "DistinguishedName","FriendlyName" -ObjectsPerResponse 500 -
ResumeString "CN=Accounting-DG,OU=Accounting,OU=Brasilia,OU=Parent
Company,DC=MyDomain,DC=corp"
```

This example requests the groups in MyDomain.corp having George as a member. Identifier contains the distinguished name for George. The results will contain the properties DistinguishedName and FriendlyName for each group. The server will return 500 items in the result, and it will begin the results with the next item after the one listed in the ResumeString parameter. ResumeString is used when there are multiple pages of results to be returned. When more data is available, the results will contain the ResumeString property that can be used to request the next page of results.

Example 16-22 *2*

```
PS C:\>Get-DRAGroupMembership  -Domain MyDomain.corp -Identifier
"CN=George,OU=IT13,DC=MyDomain,DC=corp"  -IdentifierClass "user" -
Attributes "DistinguishedName","FriendlyName"
```

This example requests the group membership of the user named George in MyDomain.corp. The identifier contains the distinguished name. The results will contain the properties DistinguishedName and FriendlyName for each group that has George as a member.

Example 16-23 *3*

```
PS C:\>Get-DRAGroupMembership  -Domain MyDomain.corp -Identifier "George" -
IdentifierClass "user"
```

This example requests the list of groups containing the user George in MyDomain.corp. Identifier contains the name for the object. The rest server will first request the distinguished name for the object and then request the group membership. The results will contain a default list of properties.

Get-DRAGroupPermissions

Synopsis

Gets a list of trustee of the group.

Syntax

```
Get-DRAGroupPermissions -Domain <String> [-Attributes <String[]>] [-
PowersForOperations <String[]>] [-VisiblePropertiesOnly <SwitchParameter>]
-Identifier <String> [-DRARestServer <String>] [-DRARestPort <Int32>] [-
IgnoreCertificateErrors <SwitchParameter>] [-Force <SwitchParameter>] [-
Timeout <Int32>] [<CommonParameters>]
```

Description

The Get-DRAGroupPermissions cmdlet gets a list of trustees for the group named in Identifier. Users must be in supported formats for the Identifier distinguished name.

Parameters

Attribute / Description	Parameters / Values				
	Required	**Position**	**Default Value**	**Accept Pipeline input?**	**Accept wildcard characters?**
Attributes [<String[]>] An array of attributes to retrieve values for. If this parameter is missing, a default list of properties is returned.	false	named		true (ByPropertyName)	false

Attribute / Description	Parameters / Values				
	Required	**Position**	**Default Value**	**Accept Pipeline input?**	**Accept wildcard characters?**
PowersForOperations [<String[]>] An array of DRA operation names for which you want the server to return read/write permission information.This parameter is typically used by a UI-based client to hide or disable elements the calling user doesn't have powers for. The `PowersForOperations` parameter is applicable only if you have specified the `Identifier` parameter.	false	named		true (ByPropertyName)	false
VisiblePropertiesOnly [<SwitchParameter>] A flag to indicate whether DRA should return only properties the caller has powers to view. By default DRA will return an error if the caller requests a property that they do not have powers to view. By specifying this flag DRA is instructed to not return an error and instead just not return a value for such properties.	false	named		false	false
Identifier <String> The name or distinguished name of an existing Active Directory object. When the name is specified, an additional call to the DRA Server is needed to obtain the distinguished name for the object.	true	named		true (ByPropertyName)	false
Domain <String> The domain of the object in fqdn format. For example: `mydomain.corp`	true	named		true (ByPropertyName)	false

Attribute / Description	Parameters / Values				
	Required	**Position**	**Default Value**	**Accept Pipeline input?**	**Accept wildcard characters?**
DRARestServer [<String>] The name of the computer running the DRA Rest Service. The requested DRA operation will execute on this server. If the parameter is not specified, the value defaults to 'localhost'.	false	named		true (ByPropertyName)	false
DRARestPort [<Int32>] The port where the DRA REST Service listens for requests. If the parameter is not specified, the value defaults to 8755.	false	named	8755	true (ByPropertyName)	false
IgnoreCertificateErrors [<SwitchParameter>] Allows the request to bypass any SSL certificate errors, such as the InvalidOperation error that occurs when the REST Service is bound to a self-signed certificate.	false	named		false	false
Force [<SwitchParameter>] Suppresses any request for user input and supplies a 'yes' response. For example: -Force with a delete request will perform the delete without presenting the confirmation request to the user.	false	named		false	false
Timeout [<Int32>] The number of seconds to wait before the request to the DRA REST server times out. To specify an infinite timeout, you can set this parameter to -1.	false	named	100 seconds	true (ByPropertyName)	false

Attribute / Description	Parameters / Values				
	Required	Position	Default Value	Accept Pipeline input?	Accept wildcard characters?
<CommonParameters> Verbose, Debug, ErrorAction, ErrorVariable, WarningAction, WarningVariable, OutBuffer, PipelineVariable, and OutVariable. For more information, see About CommonParameters (http://go.microsoft.com/fwlink/?LinkID=113216).					

NOTE: For more information, type "`Get-Help Get-DRAGroupPermissions -detailed`". For technical information, type "`Get-Help Get-DRAGroupPermissions -full`".

Example 16-24 *1*

```
PS C:\>Get-DRAGroupPermissions  -Domain MyDomain.corp -Identifier
"CN=Group1,C=MyDomain,DC=corp"
```

This example get the trustees list of the group named Group1. The Identifier parameter contains the distinguished name for the group.

Move-DRAGroup

Synopsis

Moves a group from one location in Active Directory to another.

Syntax

```
Move-DRAGroup -Domain <String> -TargetContainer <String> -Identifier
<String> [-DRARestServer <String>] [-DRARestPort <Int32>] [-
IgnoreCertificateErrors <SwitchParameter>] [-Force <SwitchParameter>] [-
Timeout <Int32>] [<CommonParameters>]
```

Description

The Move-DRAGroup cmdlet moves the group named in Identifier to the OU named in the TargetContainer. The requesting user must have the Move Group to OU power on the TargetContainer. Supported formats for Identifier are friendly name and distinguished names.

Parameters

Attribute / Description	Parameters / Values				
	Required	**Position**	**Default Value**	**Accept Pipeline input?**	**Accept wildcard characters?**
TargetContainer <String> The full path to the destination container for the object you are moving, in distinguished name format. For example: -`TargetContainer "OU=Accounting,DC=MyDomain,DC=corp`”.	false	named		true (ByPropertyName)	false
I***dentifier <String>*** The name or distinguished name of an existing Active Directory object. When the name is specified, an additional call to the DRA Server is needed to obtain the distinguished name for the object.	true	named		true (ByPropertyName)	false
Domain <String> The domain of the object in fqdn format. For example: `mydomain.corp`	true	named		true (ByPropertyName)	false
DRARestServer [<String>] The name of the computer running the DRA Rest Service. The requested DRA operation will execute on this server. If the parameter is not specified, the value defaults to 'localhost'.	false	named		true (ByPropertyName)	false
DRARestPort [<Int32>] The port where the DRA REST Service listens for requests. If the parameter is not specified, the value defaults to 8755.	false	named	8755	true (ByPropertyName)	false
IgnoreCertificateErrors [<SwitchParameter>] Allows the request to bypass any SSL certificate errors, such as the InvalidOperation error that occurs when the REST Service is bound to a self-signed certificate.	false	named		false	false

Attribute / Description	Parameters / Values				
	Required	**Position**	**Default Value**	**Accept Pipeline input?**	**Accept wildcard characters?**
Force [<SwitchParameter>] Suppresses any request for user input and supplies a 'yes' response. For example: -Force with a delete request will perform the delete without presenting the confirmation request to the user.	false	named		false	false
Timeout [<Int32>] The number of seconds to wait before the request to the DRA REST server times out. To specify an infinite timeout, you can set this parameter to -1.	false	named	100 seconds	true (ByPropertyName)	false
<CommonParameters> Verbose, Debug, ErrorAction, ErrorVariable, WarningAction, WarningVariable, OutBuffer, PipelineVariable, and OutVariable. For more information, see About CommonParameters (http://go.microsoft.com/fwlink/?LinkID=113216).					

NOTE: For more information, type "`Get-Help Move-DRAGroup -detailed`". For technical information, type "`Get-Help Move-DRAGroup -detailedfull`".

Example 16-25 *1*

```
PS C:\>Move-DRAGroup  -Domain MyDomain.corp -Identifier
"CN=Engineering,OU=Accounting,DC=MyDomain,DC=corp" -TargetContainer
"OU=NewParent,OU=AccountingHomeOffice,DC=MyDomain,DC=corp"
```

This example moves the group named Engineering from the Accounting container to the NewParent container. The identifier contains the distinguished name for the group.

Remove-DRAAssistantAdminGroupMembers

Synopsis

Removes members from an Assistant Admin group.

Syntax

```
Remove-DRAAssistantAdminGroupMembers -Identifier <String> -Members
<String[]> [-DRARestServer <String>] [-DRARestPort <Int32>] [-
IgnoreCertificateErrors <SwitchParameter>] [-Force <SwitchParameter>] [-
Timeout <Int32>] [<CommonParameters>]
```

Description

The Remove-DRAAssistantAdminGroupMembers cmdlet removes members from an Assistant Admin group.

Parameters

Attribute / Description	Parameters / Values				
	Required	**Position**	**Default Value**	**Accept Pipeline input?**	**Accept wildcard characters?**
Identifier <String> The name of an existing Assistant Admin group to remove members from.	true	named		true (ByPropertyName)	false
Members <String[]> List of member names that will be removed.	true	named		true (ByPropertyName)	false
DRARestServer [<String>] The name of the computer running the DRA REST Service. The requested DRA operation will execute on this server. If the parameter is not specified, the value defaults to 'localhost'.	false	named		true (ByPropertyName)	false
DRARestPort [<Int32>] The port number of the DRA REST Service. This parameter is only used when the DRARestServer parameter is also specified. If the parameter is not specified, the value defaults to 8755.	false	named	8755	true (ByPropertyName)	false

Attribute / Description	Parameters / Values				
	Required	**Position**	**Default Value**	**Accept Pipeline input?**	**Accept wildcard characters?**
IgnoreCertificateErrors [<SwitchParameter>] Allows the request to bypass any SSL certificate errors, such as the InvalidOperation error that occurs when the REST Service is bound to a self-signed certificate.	false	named		false	false
Force [<SwitchParameter>] Suppresses any request for user input and supplies a 'yes' response. For example: -Force with a delete request will perform the delete without presenting the confirmation request to the user.	false	named		false	false
Timeout [<Int32>] The number of seconds to wait before the request to the DRA REST server times out. To specify an infinite timeout, you can set this parameter to -1.	false	named	100 seconds	true (ByPropertyName)	false
<CommonParameters> Verbose, Debug, ErrorAction, ErrorVariable, WarningAction, WarningVariable, OutBuffer, PipelineVariable, and OutVariable. For more information, see About CommonParameters (http://go.microsoft.com/fwlink/?LinkID=113216).					

NOTE: For more information, type "`Get-Help Remove-DRAAssistantAdminGroupMembers -detailed`". For technical information, type "`Get-Help Remove-DRAAssistantAdminGroupMembers -full`".

Example 16-26 *1*

```
PS C:\>Remove-DRAAssistantAdminGroupMembers -Identifier "DRA Policy
Admins" -Members "MyGroup","MyUser","MyChildAssistantAdminGroup"
```

This example removes MyGroup, MyUser, and MyChildAssistantAdminGroup from the "DRA Policy Admins" Assistant Admin group.

Remove-DRAGroup

Synopsis

Removes a group account from Active Directory.

Syntax

```
Remove-DRAGroup -Domain <String> -Identifier <String> [-DRARestServer
<String>] [-DRARestPort <Int32>] [-IgnoreCertificateErrors
<SwitchParameter>] [-Force <SwitchParameter>] [-Timeout <Int32>]
[<CommonParameters>]
```

Description

The Remove-DRAGroup cmdlet deletes the requested group account. The requesting user must have one of the Delete Group powers. If the Recycle Bin is enabled, the group is moved to the Recycle Bin.

Parameters

Attribute / Description	Parameters / Values				
	Required	**Position**	**Default Value**	**Accept Pipeline input?**	**Accept wildcard characters?**
Identifier <String> The name or distinguished name of an existing Active Directory object. When the name is specified, an additional call to the DRA Server is needed to obtain the distinguished name for the object.	true	named		true (ByPropertyName)	false
Domain <String> The domain of the object in fqdn format. For example: `mydomain.corp`	true	named		true (ByPropertyName)	false
DRARestServer [<String>] The name of the computer running the DRA Rest Service. The requested DRA operation will execute on this server. If the parameter is not specified, the value defaults to 'localhost'.	false	named		true (ByPropertyName	false

Attribute / Description	Parameters / Values				
	Required	**Position**	**Default Value**	**Accept Pipeline input?**	**Accept wildcard characters?**
DRARestPort [<Int32>] The port where the DRA REST Service listens for requests. If the parameter is not specified, the value defaults to 8755.	false	named	8755	true (ByPropertyName	false
IgnoreCertificateErrors [<SwitchParameter>] Allows the request to bypass any SSL certificate errors, such as the InvalidOperation error that occurs when the REST Service is bound to a self-signed certificate.	false	named		false	false
Force [<SwitchParameter>] Suppresses any request for user input and supplies a 'yes' response. For example: -Force with a delete request will perform the delete without presenting the confirmation request to the user.	false	named		false	false
Timeout [<Int32>] The number of seconds to wait before the request to the DRA REST server times out. To specify an infinite timeout, you can set this parameter to -1. ***<CommonParameters>*** Verbose, Debug, ErrorAction, ErrorVariable, WarningAction, WarningVariable, OutBuffer, PipelineVariable, and OutVariable. For more information, see About CommonParameters (http://go.microsoft.com/fwlink/?LinkID=113216).	false	named	100 seconds	true (ByPropertyName)	false

NOTE: For more information, type "`Get-Help Remove-DRAGroup -detailed`". For technical information, type "`Get-Help Remove-DRAGroup -full`".

Example 16-27 *1*

```
PS C:\>Remove-DRAGroup  -Domain MyDomain.corp -Identifier
"CN=GROUP123,OU=Accounting,DC=MyDomain,DC=corp"
```

This example deletes the group named GROUP123 from MyDomain.corp. The identifier contains the distinguished name for the group. If the Recycle Bin is enabled, the group is moved to the Recycle Bin. Otherwise, it is removed permanently.

Example 16-28 *2*

```
PS C:\>Remove-DRAGroup -Domain MyDomain.corp -Identifier
"CN=GROUP123,OU=NetIQRecycleBin,DC=MyDomain,DC=corp"
```

This example deletes the group named GROUP123 from the DRA Recycle Bin, removing it permanently from Active Directory.

Remove-DRAGroupMembers

Synopsis

Removes members from an existing Active Directory group managed by DRA.

Syntax

```
Remove-DRAGroupMembers -Domain <String> [-Computers <String[]>] [-Contacts
<String[]>] [-Gmsas <String[]>] [-Groups <String[]>] [-Users <String[]>] -
Identifier <String> [-DRARestServer <String>] [-DRARestPort <Int32>] [-
IgnoreCertificateErrors <SwitchParameter>] [-Force <SwitchParameter>] [-
Timeout <Int32>] [<CommonParameters>]
```

Description

The Remove-DRAGroupMembers cmdlet removes objects from a group managed by DRA. The requesting user must have one of the Modify Group Membership powers. The command accepts arrays of identifiers for each of the supported object types that can be members of a group: Contacts, Computers, Group Managed Service Accounts, Groups, and Users. At least one identifier must be specified.

Parameters

Attribute / Description	Parameters / Values				
	Required	**Position**	**Default Value**	**Accept Pipeline input?**	**Accept wildcard characters?**
Computers [<String[]>] An array of existing Active Directory computer identifiers to add to or remove from the group. An identifier can be either a name or a distinguished name.	false	named		true (ByPropertyName)	false
Contacts [<String>] An array of existing Active Directory contact identifiers to add to or remove from the group. An identifier can be either a name or a distinguished name.	false	named		true (ByPropertyName)	false
Gmsas [<String[]>] An array of existing Active Directory group managed service account identifiers to add to or remove from the group. An identifier can be either a name or a distinguished name. When an identifier is a name, an additional call to the DRA Server is made to query for the distinguished name.	false	named		true (ByPropertyName)	false
Groups [<String[]>] An array of existing Active Directory group identifiers to add to or remove from the group. An identifier can be either a name or a distinguished name.	false	named		true (ByPropertyName)	false
Users [<String[]>] An array of existing Active Directory user identifiers to add to or remove from the group. An identifier can be either a name or a distinguished name.	false	named		true (ByPropertyName)	false

Attribute / Description	Parameters / Values				
	Required	**Position**	**Default Value**	**Accept Pipeline input?**	**Accept wildcard characters?**
I***dentifier <String>*** The name or distinguished name of an existing Active Directory object. When the name is specified, an additional call to the DRA Server is needed to obtain the distinguished name for the object.	true	named		true (ByPropertyName)	false
Domain <String> The domain of the object in fqdn format. For example: `mydomain.corp`	true	named		true (ByPropertyName)	false
DRARestServer [<String>] The name of the computer running the DRA Rest Service. The requested DRA operation will execute on this server. If the parameter is not specified, the value defaults to 'localhost'.	false	named		true (ByPropertyName)	false
DRARestPort [<Int32>] The port where the DRA REST Service listens for requests. If the parameter is not specified, the value defaults to 8755.	false	named	8755	true (ByPropertyName)	false
IgnoreCertificateErrors [<SwitchParameter>] Allows the request to bypass any SSL certificate errors, such as the InvalidOperation error that occurs when the REST Service is bound to a self-signed certificate.	false	named		false	false
Force [<SwitchParameter>] Suppresses any request for user input and supplies a 'yes' response. For example: -Force with a delete request will perform the delete without presenting the confirmation request to the user.	false	named		false	false

Attribute / Description	Parameters / Values				
	Required	**Position**	**Default Value**	**Accept Pipeline input?**	**Accept wildcard characters?**
Timeout [<Int32>] The number of seconds to wait before the request to the DRA REST server times out. To specify an infinite timeout, you can set this parameter to -1. ***<CommonParameters>*** Verbose, Debug, ErrorAction, ErrorVariable, WarningAction, WarningVariable, OutBuffer, PipelineVariable, and OutVariable. For more information, see About CommonParameters (http://go.microsoft.com/fwlink/?LinkID=113216).	false	named	100 seconds	true (ByPropertyName)	false

NOTE: For more information, type "`Get-Help Remove-DRAGroupMembers -detailed`". For technical information, type "`Get-Help Remove-DRAGroupMembers -full`".

Example 16-29 *1*

```
PS C:\>Remove-DRAGroupMembers -Identifier
"CN=MyGroup,OU=XYZ,DC=MYDOMAIN,DC=corp"  -Domain "DRDOM610.lab" -Contacts
"MyDomain.corp/OU-A/OU-A1/Contact02CN" -Computers "CN=TESTCREATE12,OU=XYZ-
Child,OU=XYZ,DC=MYDOMAIN,DC=corp" -Gmsas "CN=GMSA123,CN=Managed Service
Accounts,DC=MYDOMAIN,DC=corp" -Groups
"CN=TestGroup06,OU=Accounting,DC=MYDOMAIN,DC=corp" -Users "CN=User
DN22,OU=Users,OU=ABC,OU=ABC-Parent,DC=MYDOMAIN,DC=corp",
"CN=UserFriendly01,OU=XYZ-Child,OU=XYZ,DC=MYDOMAIN,DC=corp"
```

This example removes members from a group named MyGroup in Active Directory. Five members are listed: one each of Contacts, Computers, Group Managed Service Accounts, and Groups, and two Users.

Restore-DRAGroup

Synopsis

Restores the specified group from the Recycle Bin.

Syntax

```
Restore-DRAGroup -Domain <String> [-DomainController <String>] [-
RestoreToContainer <String>] -Identifier <String> [-DRARestServer
<String>] [-DRARestPort <Int32>] [-IgnoreCertificateErrors
<SwitchParameter>] [-Force <SwitchParameter>] [-Timeout <Int32>]
[<CommonParameters>]
```

Description

The Restore-DRAGroup cmdlet will restore a previously deleted group from the Recycle Bin to its original container or to a new specified container. Supported formats for the identifier are friendly name and distinguished name. If the full path is specified, it must point to the Recycle Bin (NetIQRecycleBin).

Parameters

Attribute / Description	Parameters / Values				
	Required	**Position**	**Default Value**	**Accept Pipeline input?**	**Accept wildcard characters?**
DomainController [<String>] The computer name of a specific domain controller to use for the request.	false	named		true (ByPropertyName)	false
RestoreToContainer [<String>] The distinguished name of the container to which you want to restore the object. If this parameter is not specified, DRA will attempt to restore the object to its original container.	false	named		true (ByPropertyName)	false
Identifier <String> The name or distinguished name of an existing Active Directory object. When the name is specified, an additional call to the DRA Server is needed to obtain the distinguished name for the object.	true	named		true (ByPropertyName)	false
Domain <String> The domain of the object in fqdn format. For example: `mydomain.corp`	true	named		true (ByPropertyName)	false

Attribute / Description	Parameters / Values				
	Required	**Position**	**Default Value**	**Accept Pipeline input?**	**Accept wildcard characters?**
DRARestServer [<String>] The name of the computer running the DRA Rest Service. The requested DRA operation will execute on this server. If the parameter is not specified, the value defaults to 'localhost'.	false	named		true (ByPropertyName)	false
DRARestPort [<Int32>] The port where the DRA REST Service listens for requests. If the parameter is not specified, the value defaults to 8755.	false	named	8755	true (ByPropertyName)	false
IgnoreCertificateErrors [<SwitchParameter>] Allows the request to bypass any SSL certificate errors, such as the InvalidOperation error that occurs when the REST Service is bound to a self-signed certificate.	false	named		false	false
Force [<SwitchParameter>] Suppresses any request for user input and supplies a 'yes' response. For example: -Force with a delete request will perform the delete without presenting the confirmation request to the user.	false	named		false	false
Timeout [<Int32>] The number of seconds to wait before the request to the DRA REST server times out. To specify an infinite timeout, you can set this parameter to -1.	false	named	100 seconds	true (ByPropertyName)	false

Attribute / Description	Parameters / Values				
	Required	Position	Default Value	Accept Pipeline input?	Accept wildcard characters?
<CommonParameters> Verbose, Debug, ErrorAction, ErrorVariable, WarningAction, WarningVariable, OutBuffer, PipelineVariable, and OutVariable. For more information, see About CommonParameters (http://go.microsoft.com/fwlink/?LinkID=113216).					

NOTE: For more information, type "`Get-Help Restore-DRAGroup -detailed`". For technical information, type "`Get-Help Restore-DRAGroup -full`".

Example 16-30 *1*

```
PS C:\>Restore-DRAGroup -Identifier
"CN=MyGroup8,OU=NetIQRecycleBin,DC=MyDomain,DC=corp" -Domain MyDom.corp
```

This example will restore a group named MyGroup8 from the NetIQRecycleBin in MyDom.corp. It will be restored to the container from which it was deleted.

Example 16-31 *2*

```
PS C:\>Restore-DRAGroup -Identifier
"CN=MyGroup8,OU=NetIQRecycleBin,DC=MyDomain,DC=corp" -RestoreToContainer
"OU=TempCon,DC=MyDomain,DC=CORP" -domain MyDomain.corp
```

This example will restore a group named MyGroup8 from the NetIQRecycleBin in MyDomain.corp. It will be restored to the container named TempCon in MyDomain.corp.

Set-DRAGroup

Synopsis

Updates the properties of an existing group account in Active Directory.

Syntax

```
Set-DRAGroup -Domain <String> [-RemoveDynamicFilter <SwitchParameter>] [-
DynamicFilterIncludeChildren  <SwitchParameter>] [-DynamicFilterLDAPQuery
<String>] [-DynamicFilterVAQuery <String>] [-DynamicFilterRootContainer
<String>] [-Properties <Hashtable>] [-Replace <Hashtable>] [-Add
<Hashtable>] [-Remove <Hashtable>] [-Clear <String[]>] -Identifier <String>
[-DRARestServer <String>] [-DRARestPort <Int32>] [-IgnoreCertificateErrors
<SwitchParameter>] [-Force  <SwitchParameter>] [-Timeout <Int32>]
[<CommonParameters>]
```

Description

The Set-DRAGroup cmdlet updates the specified group account. The requesting user must have one of the Modify Group powers.

NOTE: Set-DRAGroup cmdlet supports multi-values only for the `ProxyAddresses` attribute.

Parameters

Attribute / Description	Parameters / Values				
	Required	**Position**	**Default Value**	**Accept Pipeline input?**	**Accept wildcard characters?**
Properties <Hashtable> A hashtable of property values. The key is the name of a defined attribute in the REST interface. For example: `-Properties @{Attribute1DRADisplayName="my value"; Attribute2DRADisplayName=value}` Multiple values are specified as a comma-separated list. For example: `-Properties @{Attribute1DRADisplayName=value1, value2}` If the property name contains non-alphanumeric characters it needs to be quoted. For example: `-Properties @{"Attribute1-DRA-DisplayName"=value}` If the property value contains a quote it needs to be escaped with a backtick (`).  For example: `-Properties @{Attribute1DRADisplayName="`"sample`" value"}`	true	named		true (ByPropertyName)	false

Attribute / Description	Parameters / Values				
	Required	**Position**	**Default Value**	**Accept Pipeline input?**	**Accept wildcard characters?**
Replace [<Hashtable>] A Hashtable of property values to replace the current set of values for the specified property. The key is the name of a defined property in the REST interface. For example: `-Replace @{Attribute1DRADisplayName="my value"; Attribute2DRADisplayName=value}` Multiple values are specified as a comma-separated list and will replace currently set values. For example: `-Replace @{Attribute1DRADisplayName=value1, value2}` If the property name contains non-alphanumeric characters it needs to be quoted. For example: `-Replace @{"Attribute1-DRA-DisplayName"=value}` If the property value contains a quote it needs to be escaped with a backtick (`).  For example: `-Replace @{Attribute1DRADisplayName="`"sample`" value"}`	false	named		true (ByPropertyName)	false

Attribute / Description	Parameters / Values				
	Required	**Position**	**Default Value**	**Accept Pipeline input?**	**Accept wildcard characters?**
Add [<Hashtable>] A Hashtable of property values to add to the current set of values for the specified multi-valued property. The key is the name of a defined property in the REST interface. For example: `-Add @{Attribute1DRADisplayName=value; Attribute2DRADisplayName=value1, value2; ...; AttributeNDRADisplayName=value1, value2}` Multiple values are specified as a comma-separated list. For example: `-Add @{Attribute1DRADisplayName=value1, value2}}` If the property name contains non-alphanumeric characters it needs to be quoted. For example: `-Add @{"Attribute1-DRA-DisplayName"=value}` If the property value contains a quote it needs to be escaped with a backtick (`).  For example: `-Add @{Attribute1DRADisplayName="`"sample`" value"}`	false	named		true (ByPropertyName)	false

Attribute / Description	Parameters / Values				
	Required	**Position**	**Default Value**	**Accept Pipeline input?**	**Accept wildcard characters?**
Remove [<Hashtable>]	false	named		true (ByPropertyName)	false
A Hashtable of property values to remove from the current set of values for the specified multi-valued property. The key is the name of a defined property in the REST interface. For example: `-Remove @{Attribute1DRADisplayName=value; Attribute2DRADisplayName=value1, value2; ...; AttributeNDRADisplayName=value1, value2}` Multiple values are specified as a comma-separated list and will be removed from currently set values. For example: `-Remove @{Attribute1DRADisplayName=value1,value2}` If the property name contains non-alphanumeric characters it needs to be quoted. For example: `-Remove @{"Attribute1-DRA-DisplayName"=value}` If the property value contains a quote it needs to be escaped with a backtick (`).  For example: `-Remove @{Attribute1DRADisplayName="`"sample`" value"}`					

Attribute / Description	Parameters / Values				
	Required	**Position**	**Default Value**	**Accept Pipeline input?**	**Accept wildcard characters?**
Clear [<String>] An array of property names whose values will be cleared. Each name is the name of a defined property in the REST interface. For example: `-Clear "Attribute1-DRA-DisplayName"` Multiple values need to be separated by a comma. For example: `-Clear Attribute1DRADisplayName, Attribute2DRADisplayName`	false	named		true (ByPropertyName)	false
RemoveDynamicFilter [<SwitchParameter>] Allows the request to bypass any SSL certificate errors, such as the InvalidOperation error that occurs when the REST Service is bound to a self-signed certificate.	false	named		false	false
DynamicFilterIncludeChildren [<SwitchParameter>] Allows the request to bypass any SSL certificate errors, such as the InvalidOperation error that occurs when the REST Service is bound to a self-signed certificate.	false	named		false	false
DynamicFilterLDAPQuery [<String>] Allows the request to bypass any SSL certificate errors, such as the InvalidOperation error that occurs when the REST Service is bound to a self-signed certificate.	false	named		false	false

Attribute / Description	Parameters / Values				
	Required	**Position**	**Default Value**	**Accept Pipeline input?**	**Accept wildcard characters?**
DynamicFilterVAQuery [<String>] Specifies the virtual attribute query for dynamic group member filter. For example: `(&(objectClass=User)(MyVA=*))`	false	named		false	false
DynamicFilterRootContainer [<String>] Allows the request to bypass any SSL certificate errors, such as the InvalidOperation error that occurs when the REST Service is bound to a self-signed certificate.	false	named		false	false
Identifier <String> The name or distinguished name of an existing Active Directory object. When the name is specified, an additional call to the DRA Server is needed to obtain the distinguished name for the object.	true	named		true (ByPropertyName)	false
Domain <String> The domain of the object in fqdn format. For example: `mydomain.corp`	true	named		true (ByPropertyName)	false
DRARestServer [<String>] The name of the computer running the DRA Rest Service. The requested DRA operation will execute on this server. If the parameter is not specified, the value defaults to 'localhost'.	false	named		true (ByPropertyName	false
DRARestPort [<Int32>] The port where the DRA REST Service listens for requests. If the parameter is not specified, the value defaults to 8755.	false	named	8755	true (ByPropertyName	false

Attribute / Description	Parameters / Values				
	Required	**Position**	**Default Value**	**Accept Pipeline input?**	**Accept wildcard characters?**
IgnoreCertificateErrors [<SwitchParameter>] Allows the request to bypass any SSL certificate errors, such as the InvalidOperation error that occurs when the REST Service is bound to a self-signed certificate.	false	named		false	false
Force [<SwitchParameter>] Suppresses any request for user input and supplies a 'yes' response. For example: -Force with a delete request will perform the delete without presenting the confirmation request to the user.	false	named		false	false
Timeout [<Int32>] The number of seconds to wait before the request to the DRA REST server times out. To specify an infinite timeout, you can set this parameter to -1. ***<CommonParameters>*** Verbose, Debug, ErrorAction, ErrorVariable, WarningAction, WarningVariable, OutBuffer, PipelineVariable, and OutVariable. For more information, see About CommonParameters (http://go.microsoft.com/fwlink/?LinkID=113216).	false	named	100 seconds	true (ByPropertyName)	false

NOTE: For more information, type "`Get-Help Set-DRAGroup -detailed`". For technical information, type "`Get-Help Set-DRAGroup -full`".

Example 16-32 *1*

```
PS C:\>Set-DRAGroup -Domain MyDomain.corp -Identifier "GROUP123" -
Properties @{ManagedBy="CN=George,CN=Users,
DC=MYDOMAIN,DC=corp";Description="updated
description";HideFromAddressLists=$true}
```

This command example updates some of the properties for the group GROUP123 in MyDomain.corp. The Identifier specifies the name of the group. When the identifier format is the name, DRA resolves the name to the full distinguished name.

***Example 16-33** 2*

```
PS C:\>Set-DRAGroup  -Domain MyDomain.corp -Identifier
"CN=GROUP123,OU=Accounting,DC=MyDomain,DC=corp" -Properties
@{ManagedBy="CN=George,CN=Users,DC=MYDOMAIN,DC=corp";ReportToOriginator=$t
rue}
```

This example updates some of the properties for the group GROUP123 in MyDomain.corp. The identifier contains the distinguished name for the group. Two properties are updated: ManagedBy and ReportToOriginator. To see the complete list of available properties, perform a Get-Member command on the object returned from any DRAGroup command.

Set-DRAGroupPermissions

Synopsis

Set (add or remove) a trustee for a group.

Syntax

```
Set-DRAGroupPermissions -Domain <String> [-Users <String>] [-Groups
<String>] -AccessMode <Int32> -Action <Int32> -Permission <Int32> -
Identifier <String> [-DRARestServer <String>] [-DRARestPort <Int32>] [-
IgnoreCertificateErrors <SwitchParameter>] [-Force <SwitchParameter>] [-
Timeout <Int32>] [<CommonParameters>]
```

Description

The Set-DRAGroupPermissions cmdlet sets (adds or removes) a trustee for the group named in the Identifier parameter.

- Identifier: Supported formats for group Identifier in the distinguished name.
- Users: a list of users in distinguished name delimited by semicolons.
- AccessMode: 1 for GRANT ACCESS; 3 for DENY ACCESS.
- Action: 0 to add to group trustees list. 1 to remove from group trustees list.
- Permission: 16 READ ONLY; 32 WRITE ONLY; 48 READ and WRITE

Parameters

Attribute / Description	Parameters / Values				
	Required	**Position**	**Default Value**	**Accept Pipeline input?**	**Accept wildcard characters?**
Users [<String>] An existing Active Directory user objects that should be added or removed from the group permissions. The user identifier can be in either the name or the distinguished name.	false	named		true (ByPropertyName)	false
Groups [<String>] An existing Active Directory user objects that should be added or removed from the group permissions. The user identifier can be in either the name or the distinguished name.	false	named		true (ByPropertyName)	false
AccessMode <Nullable`1> AccessMode: 1 for GRANT ACCESS; 3 for DENY ACCESS; 4 for GRANT AND DENY ACCESS.	false	named		true (ByPropertyName)	false
Action <Nullable`1> Action: 0 add to group trustees list. 1 remove from group trustees list	false	named		true (ByPropertyName)	false
Permission <Nullable`1> Permission: 16 READ ONLY; 32 WRITE ONLY; 48 READ and WRITE.	false	named		true (ByPropertyName)	false
I***dentifier <String>*** The name or distinguished name of an existing Active Directory object. When the name is specified, an additional call to the DRA Server is needed to obtain the distinguished name for the object.	true	named		true (ByPropertyName)	false

Attribute / Description	Parameters / Values				
	Required	**Position**	**Default Value**	**Accept Pipeline input?**	**Accept wildcard characters?**
Domain <String> The domain of the object in fqdn format. For example: `mydomain.corp`	true	named		true (ByPropertyName)	false
DRARestServer [<String>] The name of the computer running the DRA Rest Service. The requested DRA operation will execute on this server. If the parameter is not specified, the value defaults to 'localhost'.	false	named		true (ByPropertyName)	false
DRARestPort [<Int32>] The port where the DRA REST Service listens for requests. If the parameter is not specified, the value defaults to 8755.	false	named	8755	true (ByPropertyName)	false
IgnoreCertificateErrors [<SwitchParameter>] Allows the request to bypass any SSL certificate errors, such as the InvalidOperation error that occurs when the REST Service is bound to a self-signed certificate.	false	named		false	false
Force [<SwitchParameter>] Suppresses any request for user input and supplies a 'yes' response. For example: -Force with a delete request will perform the delete without presenting the confirmation request to the user.	false	named		false	false
Timeout [<Int32>] The number of seconds to wait before the request to the DRA REST server times out. To specify an infinite timeout, you can set this parameter to -1.	false	named	100 seconds	true (ByPropertyName)	false

Attribute / Description	Parameters / Values				
	Required	Position	Default Value	Accept Pipeline input?	Accept wildcard characters?
<CommonParameters> Verbose, Debug, ErrorAction, ErrorVariable, WarningAction, WarningVariable, OutBuffer, PipelineVariable, and OutVariable. For more information, see About CommonParameters (http://go.microsoft.com/fwlink/?LinkID=113216).					

NOTE: For more information, type "`Get-Help Set-DRAGroupPermissions -detailed`". For technical information, type "`Get-Help Set-DRAGroupPermissions -full`".

Example 16-34 *1*

```
PS C:\>Set-DRAGroupPermissions  -Domain MyDomain.corp -Identifier
"CN=Group1,DC=MyDomain,DC=corp" -User
"OU=User1,CN=Users,DC=MyDomain,DC=corp" -AccessMode 1 -Action 1 -
Permission 48
```

This example removes the trustee User1 from the group named Group1. You need to match the grant access mode and permission exactly in order to remove the right one.

Example 16-35 *2*

```
PS C:\>Set-DRAGroupPermissions  -Domain MyDomain.corp -Identifier
"CN=Group1,DC=MyDomain,DC=corp" -User
"OU=User1,CN=Users,DC=MyDomain,DC=corp" -AccessMode 1 -Action 0 -
Permission 48
```

This example adds the trustee User1 to the group named Group1 with the GRANT ACCESS mode and READ and WRITE permission.

Example 16-36 *3*

```
PS C:\>Set-DRAGroupPermissions  -Domain MyDomain.corp -Identifier
"CN=Group1,DC=MyDomain,DC=corp" -Users
"OU=User1,CN=Users,DC=MyDomain,DC=corp;OU=User2,CN=Users,DC=MyDomain,DC=co
rp" -AccessMode 1 -Action 0 -Permission 48
```

This example adds trustees User1 and User2 to the group named Group1 with the same GRANT ACCESS mode and READ and WRITE permission.

Example 16-37 *4*

```
PS C:\>Set-DRAGroupPermissions  -Domain MyDomain.corp -Identifier
"CN=Group1,DC=MyDomain,DC=corp" -Groups
"OU=Group11,DC=MyDomain,DC=corp;OU=Group12,DC=MyDomain,DC=corp" -
AccessMode 1 -Action 0 -Permission 48
```

This example adds trustees Group11 and Group12 to the group named Group1 with the same GRANT ACCESS mode and READ and WRITE permission.

17 Organizational Units

This section contains cmdlets you can execute for the Organization Unit object type.

- "Add-DRAOU" on page 425
- "Copy-DRAOU" on page 428
- "Get-DRAOU" on page 431
- "Move-DRAOU" on page 436
- "Remove-DRAOU" on page 438
- "Set-DRAOU" on page 440

- "Add-DRAOU" on page 425
- "Copy-DRAOU" on page 428
- "Get-DRAOU" on page 431
- "Move-DRAOU" on page 436
- "Remove-DRAOU" on page 438
- "Set-DRAOU" on page 440

Add-DRAOU

Synopsis

Adds an OU container to an Active Directory domain.

Syntax

```
Add-DRAOU -Properties <Hashtable> -Domain <String> [-DRARestServer
<String>] [-DRARestPort <Int32>] [-IgnoreCertificateErrors
<SwitchParameter>] [-Force <SwitchParameter>] [-Timeout <Int32>]
[<CommonParameters>]
```

Description

The Add-DRAOU cmdlet adds an OU container to a domain managed by DRA. The requesting user must have the Create OU power. To see the complete list of available properties, perform a Get-Member command on the object returned from any DRAOU command.

Parameters

Attribute / Description	Parameters / Values				
	Required	**Position**	**Default Value**	**Accept Pipeline input?**	**Accept wildcard characters?**
Properties <Hashtable> A hashtable of property values. The key is the name of a defined attribute in the REST interface. For example: `-Properties @{Attribute1DRADisplayName="my value"; Attribute2DRADisplayName=value}` Multiple values are specified as a comma-separated list. For example: `-Properties @{Attribute1DRADisplayName=value1, value2}` If the property name contains non-alphanumeric characters it needs to be quoted. For example: `-Properties @{"Attribute1-DRA-DisplayName"=value}` If the property value contains a quote it needs to be escaped with a backtick (`).  For example: `-Properties @{Attribute1DRADisplayName="``"sample``" value"}`	true	named		true (ByPropertyName)	false
Domain <String> The domain of the object in fqdn format. For example: `mydomain.corp`	true	named		true (ByPropertyName)	false
DRARestServer [<String>] The name of the computer running the DRA Rest Service. The requested DRA operation will execute on this server. If the parameter is not specified, the value defaults to 'localhost'.	false	named		true (ByPropertyName	false

Attribute / Description	Parameters / Values				
	Required	**Position**	**Default Value**	**Accept Pipeline input?**	**Accept wildcard characters?**
DRARestPort [<Int32>] The port where the DRA REST Service listens for requests. If the parameter is not specified, the value defaults to 8755.	false	named	8755	true (ByPropertyName	false
IgnoreCertificateErrors [<SwitchParameter>] Allows the request to bypass any SSL certificate errors, such as the InvalidOperation error that occurs when the REST Service is bound to a self-signed certificate.	false	named		false	false
Force [<SwitchParameter>] Suppresses any request for user input and supplies a 'yes' response. For example: -Force with a delete request will perform the delete without presenting the confirmation request to the user.	false	named		false	false
Timeout [<Int32>] The number of seconds to wait before the request to the DRA REST server times out. To specify an infinite timeout, you can set this parameter to -1. ***<CommonParameters>*** Verbose, Debug, ErrorAction, ErrorVariable, WarningAction, WarningVariable, OutBuffer, PipelineVariable, and OutVariable. For more information, see About CommonParameters (http://go.microsoft.com/fwlink/?LinkID=113216).	false	named	100 seconds	true (ByPropertyName)	false

NOTE: For more information, type "`Get-Help Add-DRAOU -detailed`". For technical information, type "`Get-Help Add-DRAOU -full`".

Example 17-1 *1*

```
PS C:\>Add-DRAOU  -Domain MyDomain.corp -Properties
@{DistinguishedName="OU=OU123,OU=Accounting,
DC=MyDomain,DC=corp";Description="OU for
powershell";ManagedBy="CN=George,CN=Users,DC=MYDOMAIN,DC=corp"}
```

This example creates an OU named OU123 in Active Directory using the DRA DistinguishedName property. The OU will be created in the domain MyDomain.corp in the Accounting OU. There are two properties set on this OU: Description and ManagedBy.

Example 17-2 *2*

```
PS C:\>Add-DRAOU  -Domain MyDomain.corp -Properties
@{DistinguishedName="OU=OU123,OU=Accounting,
DC=MyDomain,DC=corp";Description="OU for
powershell";ManagedBy="CN=George,CN=Users,DC=MYDOMAIN,DC=corp"}
```

This example creates an OU named OU123 in Active Directory using the DRA DistinguishedName property. The OU will be created in the domain MyDomain.corp in the Accounting OU. There are two properties set on this OU: Description and ManagedBy.

Example 17-3 *3*

```
PS C:\>Add-DRAOU  -Domain MyDomain.corp -Properties
@{FriendlyName="MyDomain.corp/Accounting/OU123"; Description="OU for
powershell";ManagedBy="CN=George,CN=Users,DC=MYDOMAIN,DC=corp"}
```

This example creates the OU OU123 in Active Directory using the Name and DRA FriendlyParentPath properties. The OU will be created in the domain MyDomain.corp in the Accounting OU. There are two properties set on this OU: Description and ManagedBy.

Copy-DRAOU

Synopsis

Copies an existing Organizational Unit to a new Organizational Unit.

Syntax

```
Copy-DRAOU -Domain <String> -Properties <Hashtable> -Identifier <String> [-
DRARestServer <String>] [-DRARestPort <Int32>] [-IgnoreCertificateErrors
<SwitchParameter>] [-Force <SwitchParameter>] [-Timeout <Int32>]
[<CommonParameters>]
```

Description

The Copy-DRAOU cmdlet copies an existing Organizational Unit properties to a new Organizational Unit. The values provided in the -Properties parameter will overwrite the values provided by the existing Organizational Unit. You must supply the properties to give the new Organizational Unit a name. See the Add-DRAOU cmdlet help for examples of how to define the new Organizational Unit. The response contains the string generated by the server.

Parameters

Attribute / Description	Parameters / Values				
	Required	**Position**	**Default Value**	**Accept Pipeline input?**	**Accept wildcard characters?**
Properties <Hashtable> A hashtable of property values. The key is the name of a defined attribute in the REST interface. For example: `-Properties @{Attribute1DRADisplayName="my value"; Attribute2DRADisplayName=value}` Multiple values are specified as a comma-separated list. For example: `-Properties @{Attribute1DRADisplayName=value1, value2}` If the property name contains non-alphanumeric characters it needs to be quoted. For example: `-Properties @{"Attribute1-DRA-DisplayName"=value}` If the property value contains a quote it needs to be escaped with a backtick (`).  For example: `-Properties @{Attribute1DRADisplayName="`"sample`" value"}`	true	named		true (ByPropertyName)	false
Identifier <String> The name or distinguished name of an existing Active Directory object. When the name is specified, an additional call to the DRA Server is needed to obtain the distinguished name for the object.	true	named		true (ByPropertyName)	false
Domain <String> The domain of the object in FQDN format. For example: `mydomain.corp`	true	named		true (ByPropertyName)	false

Attribute / Description	Parameters / Values				
	Required	**Position**	**Default Value**	**Accept Pipeline input?**	**Accept wildcard characters?**
DRARestServer [<String>] The name of the computer running the DRA REST Service. The requested DRA operation will be sent to the REST Service running on the specified computer. If this parameter is not specified, then the cmdlet will attempt to discover a DRA REST Service to use.	false	named		true (ByPropertyName)	false
DRARestPort [<Int32>] The port number of the DRA REST Service. This parameter is only used when the DRARestServer parameter is also specified. If the DRARestServer parameter is specified but the DRARestPort is not, 8755 will be used as the default REST port.	false	named	8755	true (ByPropertyName)	false
IgnoreCertificateErrors [<SwitchParameter>] Allows the request to bypass any SSL certificate errors, such as the InvalidOperation error that occurs when the REST Service is bound to a self-signed certificate.	false	named		false	false
Force [<SwitchParameter>] Suppresses any request for user input and supplies a 'yes' response. For example: -Force with a delete request will perform the delete without presenting the confirmation request to the user.	false	named		false	false
Timeout [<Int32>] The number of seconds to wait before the request to the DRA REST server times out. To specify an infinite timeout, you can set this parameter to -1.	false	named	100 seconds	true (ByPropertyName)	false

Attribute / Description	Parameters / Values				
	Required	**Position**	**Default Value**	**Accept Pipeline input?**	**Accept wildcard characters?**
<CommonParameters> Verbose, Debug, ErrorAction, ErrorVariable, WarningAction, WarningVariable, OutBuffer, PipelineVariable, and OutVariable. For more information, see About CommonParameters (http://go.microsoft.com/fwlink/?LinkID=113216).					

NOTE: For more information, type "`Get-Help Copy-DRAOU -detailed`". For technical information, type "`Get-Help Copy-DRAOU -full`".

Example 17-4 *1*

```
PS C:\>Copy-DRAOU -Identifier
"CN=OUsource,OU=Accounting,DC=MyDomain,DC=corp" -Properties
@{distinguishedName="CN=OUT123,OU=Tax,DC=MyDomain,DC=corp"} -domain
MyDomain.corp
```

This example will copy the Organizational Unit named OUsource from the Accounting OU in MyDomain.corp to a new Organizational Unit named OU123 in the Tax OU in MyDomain.corp. The properties of OU123 will be the same as the properties of OUsource.

Example 17-5 *2*

```
PS C:\>Copy-DRAOU -Identifier
"CN=OUsource,OU=Accounting,DC=MyDomain,DC=corp" -Properties
@{distinguishedName="CN=OU123,OU=Tax,DC=MyDomain,DC=corp";Description="Tax
Organizational Unit"} -domain MyDomain.corp
```

This example will copy the Organizational Unit named OUsource from the Accounting OU in MyDomain.corp to a new Organizational Unit named OU123 in the Tax OU in MyDomain.corp. The Description property for OU123 will be set to 'Tax Organizational Unit'.

Get-DRAOU

Synopsis

Gets information about an Active Directory Organizational Unit.

Syntax

```
Get-DRAOU -Domain <String> [-IncludeAllVAProperties <SwitchParameter>] [-
Attributes <String[]>] [-PowersForOperations <String[]>] [-
VisiblePropertiesOnly <SwitchParameter>] -Identifier <String> [-
DRARestServer <String>] [-DRARestPort <Int32>] [-IgnoreCertificateErrors
<SwitchParameter>] [-Force <SwitchParameter>] [-Timeout <Int32>]
[<CommonParameters>]
```

Description

The Get-DRAOU cmdlet returns the properties of the requested Organizational Unit managed by DRA. The requesting user must have the View All OU Properties power. You can view the default list of properties or specify specific properties. The default properties of an organizational unit container include: `Name`, `Description`, and `DistinguishedName`.

See the examples for information on how to view specific properties.

Parameters

Attribute / Description	Parameters / Values				
	Required	**Position**	**Default Value**	**Accept Pipeline input?**	**Accept wildcard characters?**
IncludeAllVAProperties [<SwitchParameter>] A flag to indicate whether DRA should return the virtual attributes. If you specify this flag, DRA returns the virtual attributes that the user has powers to view. If you specify the `Attributes` parameter along with this flag, DRA returns the virtual attributes along with the properties specified in the `Attributes` parameter.	false	named		false	false
Attributes [<String[]>] An array of attributes to retrieve values for. If this parameter is missing, a default list of properties is returned.	false	named		true (ByPropertyName)	false

Attribute / Description	Parameters / Values				
	Required	**Position**	**Default Value**	**Accept Pipeline input?**	**Accept wildcard characters?**
PowersForOperations [<String[]>] An array of DRA operation names for which you want the server to return read/write permission information.This parameter is typically used by a UI-based client to hide or disable elements the calling user doesn't have powers for. The `PowersForOperations` parameter is applicable only if you have specified the `Identifier` parameter.	false	named		true (ByPropertyName)	false
VisiblePropertiesOnly [<SwitchParameter>] A flag to indicate whether DRA should return only properties the caller has powers to view. By default, DRA will return an error if the caller requests a property that they do not have powers to view. By specifying this flag, DRA is instructed to not return an error and instead just not return a value for such properties.	false	named		false	false
Identifier <String> The name or distinguished name of an existing Active Directory object. When the name is specified, an additional call to the DRA Server is needed to obtain the distinguished name for the object.	true	named		true (ByPropertyName)	false
Domain <String> The domain of the object in fqdn format. For example: `mydomain.corp`	true	named		true (ByPropertyName)	false

Attribute / Description	Parameters / Values				
	Required	**Position**	**Default Value**	**Accept Pipeline input?**	**Accept wildcard characters?**
DRARestServer [<String>] The name of the computer running the DRA Rest Service. The requested DRA operation will execute on this server. If the parameter is not specified, the value defaults to 'localhost'.	false	named		true (ByPropertyName)	false
DRARestPort [<Int32>] The port where the DRA REST Service listens for requests. If the parameter is not specified, the value defaults to 8755.	false	named	8755	true (ByPropertyName)	false
IgnoreCertificateErrors [<SwitchParameter>] Allows the request to bypass any SSL certificate errors, such as the InvalidOperation error that occurs when the REST Service is bound to a self-signed certificate.	false	named		false	false
Force [<SwitchParameter>] Suppresses any request for user input and supplies a 'yes' response. For example: -Force with a delete request will perform the delete without presenting the confirmation request to the user.	false	named		false	false
Timeout [<Int32>] The number of seconds to wait before the request to the DRA REST server times out. To specify an infinite timeout, you can set this parameter to -1.	false	named	100 seconds	true (ByPropertyName)	false

Attribute / Description	Parameters / Values				
	Required	Position	Default Value	Accept Pipeline input?	Accept wildcard characters?
<CommonParameters> Verbose, Debug, ErrorAction, ErrorVariable, WarningAction, WarningVariable, OutBuffer, PipelineVariable, and OutVariable. For more information, see About CommonParameters (http://go.microsoft.com/fwlink/?LinkID=113216).					

NOTE: For more information, type "`Get-Help Get-DRAOU -detailed`". For technical information, type "`Get-Help Get-DRAOU -full`".

Example 17-6 *1*

```
PS C:\>Get-DRAOU  -Domain MyDomain.corp -Identifier
"OU=OU123,OU=Accounting,DC=MyDomain,DC=corp"
```

This example requests the properties of the OU named OU123 in MyDomain.corp. The identifier contains the distinguished name for the OU.

Example 17-7 *2*

```
PS C:\>Get-DRAOU  -Domain MyDomain.corp -Identifier "OU123"
```

This example requests the properties of the OU named OU123 in MyDomain.corp. The identifier contains the name for the OU. When the name is used, DRA resolves the name to the distinguished name, and then requests the properties for the OU.

Example 17-8 *3*

```
PS C:\>Get-DRAOU -Domain MyDomain.corp -Identifier "OU123" -Attributes
"Description","DisplayName","DistinguishedName","FriendlyPath","FriendlyPa
rentPath","FriendlyName","ObjectCategory"
```

This example requests the properties of the OU named OU123 in MyDomain.corp. The Attributes parameter specifies what properties to return. When the Attributes parameter is not present, a default list of properties will be returned.

Example 17-9 *3*

```
Get-DRAOU -Domain MyDomain.corp -Identifier "OU123" -Attributes
"Description","DisplayName" -IncludeAllVAProperties
```

This example requests the properties of the OU named OU123 in the "MyDomain.corp" domain. The `Attributes` parameter specifies the properties to return. The `IncludeAllVAProperties` parameter returns all virtual attributes that the assistant administrator has powers to view.

Move-DRAOU

Synopsis

Moves an Organizational Unit from one location in Active Directory to another.

Syntax

```
Move-DRAOU -Domain <String> -TargetContainer <String> -Identifier <String>
[-DRARestServer <String>] [-DRARestPort <Int32>] [-IgnoreCertificateErrors
<SwitchParameter>] [-Force <SwitchParameter>] [-Timeout <Int32>]
[<CommonParameters>]
```

Description

The Move-DRAOU cmdlet moves the OU named in Identifier to the OU named in the TargetContainer. The requesting user must have the Move Organizational Unit to OU power on the TargetContainer.

Parameters

Attribute / Description	Parameters / Values				
	Required	**Position**	**Default Value**	**Accept Pipeline input?**	**Accept wildcard characters?**
TargetContainer <String> The full path to the destination container for the object you are moving, in distinguished name format. For example: -`TargetContainer "OU=Accounting,DC=MyDomain,DC=corp`”.	false	named		true (ByPropertyName)	false
I***dentifier <String>*** The name or distinguished name of an existing Active Directory object. When the name is specified, an additional call to the DRA Server is needed to obtain the distinguished name for the object.	true	named		true (ByPropertyName)	false

Attribute / Description	Parameters / Values				
	Required	**Position**	**Default Value**	**Accept Pipeline input?**	**Accept wildcard characters?**
Domain <String> The domain of the object in fqdn format. For example: `mydomain.corp`	true	named		true (ByPropertyName)	false
DRARestServer [<String>] The name of the computer running the DRA Rest Service. The requested DRA operation will execute on this server. If the parameter is not specified, the value defaults to 'localhost'.	false	named		true (ByPropertyName)	false
DRARestPort [<Int32>] The port where the DRA REST Service listens for requests. If the parameter is not specified, the value defaults to 8755.	false	named	8755	true (ByPropertyName)	false
IgnoreCertificateErrors [<SwitchParameter>] Allows the request to bypass any SSL certificate errors, such as the InvalidOperation error that occurs when the REST Service is bound to a self-signed certificate.	false	named		false	false
Force [<SwitchParameter>] Suppresses any request for user input and supplies a 'yes' response. For example: -Force with a delete request will perform the delete without presenting the confirmation request to the user.	false	named		false	false
Timeout [<Int32>] The number of seconds to wait before the request to the DRA REST server times out. To specify an infinite timeout, you can set this parameter to -1.	false	named	100 seconds	true (ByPropertyName)	false

Attribute / Description	Parameters / Values				
	Required	Position	Default Value	Accept Pipeline input?	Accept wildcard characters?
<CommonParameters> Verbose, Debug, ErrorAction, ErrorVariable, WarningAction, WarningVariable, OutBuffer, PipelineVariable, and OutVariable. For more information, see About CommonParameters (http://go.microsoft.com/fwlink/?LinkID=113216).					

NOTE: For more information, type "`Get-Help Move-DRAOU -detailed`". For technical information, type "`Get-Help Move-DRAOU -full`".

Example 17-10 *1*

```
PS C:\>Move-DRAOU -Domain MyDomain.corp -Identifier
"OU=OU123,OU=Accounting,DC=MyDomain,DC=corp" -TargetContainer
"OU=NewParent,OU=AccountingHomeOffice,DC=MyDomain,DC=corp"
```

This example moves the OU named OU123 from the Accounting container to the NewParent container. The identifier contains the distinguished name for the OU.

Remove-DRAOU

Synopsis

Removes an Organizational Unit from Active Directory.

Syntax

```
Remove-DRAOU -Domain <String> -Identifier <String> [-DRARestServer
<String>] [-DRARestPort <Int32>] [-IgnoreCertificateErrors
<SwitchParameter>] [-Force <SwitchParameter>] [-Timeout <Int32>]
[<CommonParameters>]
```

Description

The Remove-DRAOU cmdlet deletes the requested OU account. The requesting user must have one of the Delete OU powers. Even if Recycle Bin support is enabled in DRA, the OU will be deleted permanently.

Parameters

Attribute / Description	Parameters / Values				
	Required	**Position**	**Default Value**	**Accept Pipeline input?**	**Accept wildcard characters?**
Identifier <String> The name or distinguished name of an existing Active Directory object. When the name is specified, an additional call to the DRA Server is needed to obtain the distinguished name for the object.	true	named		true (ByPropertyName)	false
Domain <String> The domain of the object in fqdn format. For example: `mydomain.corp`	true	named		true (ByPropertyName)	false
DRARestServer [<String>] The name of the computer running the DRA Rest Service. The requested DRA operation will execute on this server. If the parameter is not specified, the value defaults to 'localhost'.	false	named		true (ByPropertyName	false
DRARestPort [<Int32>] The port where the DRA REST Service listens for requests. If the parameter is not specified, the value defaults to 8755.	false	named	8755	true (ByPropertyName	false
IgnoreCertificateErrors [<SwitchParameter>] Allows the request to bypass any SSL certificate errors, such as the InvalidOperation error that occurs when the REST Service is bound to a self-signed certificate.	false	named		false	false
Force [<SwitchParameter>] Suppresses any request for user input and supplies a 'yes' response. For example: -Force with a delete request will perform the delete without presenting the confirmation request to the user.	false	named		false	false

Attribute / Description	Parameters / Values				
	Required	**Position**	**Default Value**	**Accept Pipeline input?**	**Accept wildcard characters?**
Timeout [<Int32>] The number of seconds to wait before the request to the DRA REST server times out. To specify an infinite timeout, you can set this parameter to -1. ***<CommonParameters>*** Verbose, Debug, ErrorAction, ErrorVariable, WarningAction, WarningVariable, OutBuffer, PipelineVariable, and OutVariable. For more information, see About CommonParameters (http://go.microsoft.com/fwlink/?LinkID=113216).	false	named	100 seconds	true (ByPropertyName)	false

NOTE: For more information, type "`Get-Help Remove-DRAOU -detailed`". For technical information, type "`Get-Help Remove-DRAOU -full`".

Example 17-11 *1*

```
PS C:\>Remove-DRAOU -Domain MyDomain.corp -Identifier
"OU=OU123,OU=Accounting,DC=MyDomain,DC=corp"
```

This example deletes the OU named OU123 from MyDomain.corp. The identifier contains the distinguished name for the OU.

Set-DRAOU

Synopsis

Updates the properties of an existing Organizational Unit in Active Directory.

Syntax

```
Set-DRAOU -Domain <String> -Properties <Hashtable> -Identifier <String> [-
DRARestServer <String>] [-DRARestPort <Int32>] [-IgnoreCertificateErrors
<SwitchParameter>] [-Force <SwitchParameter>] [-Timeout <Int32>]
[<CommonParameters>]
```

Description

The Set-DRAOU cmdlet modifies the requested Organizational Unit. The requesting user must have the Modify All OU Properties power.

Parameters

Attribute / Description	Parameters / Values				
	Required	**Position**	**Default Value**	**Accept Pipeline input?**	**Accept wildcard characters?**
Properties <Hashtable> A hashtable of property values. The key is the name of a defined attribute in the REST interface. For example: `-Properties @{Attribute1DRADisplayName="my value"; Attribute2DRADisplayName=value}` Multiple values are specified as a comma-separated list. For example:`-Properties @{Attribute1DRADisplayName=value1, value2}` If the property name contains non-alphanumeric characters it needs to be quoted. For example: `-Properties @{"Attribute1-DRA-DisplayName"=value}` If the property value contains a quote it needs to be escaped with a backtick (`).  For example: `-Properties @{Attribute1DRADisplayName="`"sample`" value"}`	true	named		true (ByPropertyName)	false
Identifier <String> The name or distinguished name of an existing Active Directory object. When the name is specified, an additional call to the DRA Server is needed to obtain the distinguished name for the object.	true	named		true (ByPropertyName)	false

Attribute / Description	Parameters / Values				
	Required	**Position**	**Default Value**	**Accept Pipeline input?**	**Accept wildcard characters?**
Domain <String> The domain of the object in fqdn format. For example: `mydomain.corp`	true	named		true (ByPropertyName)	false
DRARestServer [<String>] The name of the computer running the DRA Rest Service. The requested DRA operation will execute on this server. If the parameter is not specified, the value defaults to 'localhost'.	false	named		true (ByPropertyName	false
DRARestPort [<Int32>] The port where the DRA REST Service listens for requests. If the parameter is not specified, the value defaults to 8755.	false	named	8755	true (ByPropertyName	false
IgnoreCertificateErrors [<SwitchParameter>] Allows the request to bypass any SSL certificate errors, such as the InvalidOperation error that occurs when the REST Service is bound to a self-signed certificate.	false	named		false	false
Force [<SwitchParameter>] Suppresses any request for user input and supplies a 'yes' response. For example: -Force with a delete request will perform the delete without presenting the confirmation request to the user.	false	named		false	false
Timeout [<Int32>] The number of seconds to wait before the request to the DRA REST server times out. To specify an infinite timeout, you can set this parameter to -1.	false	named	100 seconds	true (ByPropertyName)	false

Attribute / Description	Parameters / Values				
	Required	Position	Default Value	Accept Pipeline input?	Accept wildcard characters?
<CommonParameters> Verbose, Debug, ErrorAction, ErrorVariable, WarningAction, WarningVariable, OutBuffer, PipelineVariable, and OutVariable. For more information, see About CommonParameters (http://go.microsoft.com/fwlink/?LinkID=113216).					

NOTE: For more information, type "`Get-Help Set-DRAOU -detailed`". For technical information, type "`Get-Help Set-DRAOU -full`".

Example 17-12 *1*

```
PS C:\>Set-DRAOU -Domain MyDomain.corp -Identifier "OU123" -Properties
@{ManagedBy=CN=George,CN=Users, DC=MYDOMAIN,DC=corp";Description="updated
description"}
```

This example updates some of the properties of the OU OU123 in MyDomain.corp. The Identifier specifies the name of the OU. When the identifier format is the name, DRA resolves the name to the full distinguished name.

Example 17-13 *2*

```
PS C:\>Set-DRAOU  -Domain MyDomain.corp -Identifier
"OU=OU123,OU=Accounting,DC=MyDomain,DC=corp" -Properties
@{ManagedBy="CN=George,CN=Users,DC=MYDOMAIN,DC=corp";Description="Located
in Houston"}
```

This example updates some of the properties of the OU OU123 in MyDomain.corp. The identifier contains the distinguished name for the OU. Two properties are updated: ManagedBy, and Description. To see the complete list of available properties, perform a Get-Member command on the object returned from any DRAOU command.

18 On-premises Exchange Configuration Commands

This section contains cmdlets you can execute for Exchange related cmdlets or the Mailbox object type.

- "Get-DRAExchangeAdminGroups" on page 445
- "Get-DRAExchangeAliasName" on page 448
- "Get-DRAExchangeConfiguration" on page 451
- "Get-DRAExchangeMailboxPermissions" on page 453
- "Get-DRAExchangeServers" on page 456
- "Get-DRAExchangeStores" on page 458
- "Set-DRAExchangeMailboxPermissions" on page 461
- "Set-DRAMailboxFolderPermissions" on page 465

- "Get-DRAExchangeAdminGroups" on page 445
- "Get-DRAExchangeAliasName" on page 448
- "Get-DRAExchangeConfiguration" on page 451
- "Get-DRAExchangeMailboxPermissions" on page 453
- "Get-DRAExchangeServers" on page 456
- "Get-DRAExchangeStores" on page 458
- "Set-DRAExchangeMailboxPermissions" on page 461
- "Set-DRAMailboxFolderPermissions" on page 465

Get-DRAExchangeAdminGroups

Synopsis

Gets the list of Exchange admin groups defined for the domain specified in the Domain parameter.

Syntax

```
Get-DRAExchangeAdminGroups -Domain <String> [-DRARestServer <String>] [-
DRARestPort <Int32>] [-IgnoreCertificateErrors <SwitchParameter>] [-Force
<SwitchParameter>] [-Timeout <Int32>] [<CommonParameters>]
```

Description

The Get-DRAExchangeAdminGroups cmdlet queries the DRA Server for the list of Exchange administrator groups defined in the specified domain.

Parameters

Attribute / Description	Parameters / Values				
	Required	**Position**	**Default Value**	**Accept Pipeline input?**	**Accept wildcard characters?**
Properties <Hashtable> A hashtable of property values. The key is the name of a defined attribute in the REST interface. For example: `-Properties @{Attribute1DRADisplayName="my value"; Attribute2DRADisplayName=value}` Multiple values are specified as a comma-separated list. For example: `-Properties @{Attribute1DRADisplayName=value1, value2}` If the property name contains non-alphanumeric characters it needs to be quoted. For example: `-Properties @{"Attribute1-DRA-DisplayName"=value}` If the property value contains a quote it needs to be escaped with a backtick (`).  For example: `-Properties @{Attribute1DRADisplayName="``"sample``" value"}`	true	named		true (ByPropertyName)	false
Identifier <String> The name or distinguished name of an existing Active Directory object. When the name is specified, an additional call to the DRA Server is needed to obtain the distinguished name for the object.	true	named		true (ByPropertyName)	false
Domain <String> The domain of the object in fqdn format. For example: `mydomain.corp`	true	named		true (ByPropertyName)	false

Attribute / Description	Parameters / Values				
	Required	**Position**	**Default Value**	**Accept Pipeline input?**	**Accept wildcard characters?**
DRARestServer [<String>] The name of the computer running the DRA Rest Service. The requested DRA operation will execute on this server. If the parameter is not specified, the value defaults to 'localhost'.	false	named		true (ByPropertyName	false
DRARestPort [<Int32>] The port where the DRA REST Service listens for requests. If the parameter is not specified, the value defaults to 8755.	false	named	8755	true (ByPropertyName	false
IgnoreCertificateErrors [<SwitchParameter>] Allows the request to bypass any SSL certificate errors, such as the InvalidOperation error that occurs when the REST Service is bound to a self-signed certificate.	false	named		false	false
Force [<SwitchParameter>] Suppresses any request for user input and supplies a 'yes' response. For example: -Force with a delete request will perform the delete without presenting the confirmation request to the user.	false	named		false	false
Timeout [<Int32>] The number of seconds to wait before the request to the DRA REST server times out. To specify an infinite timeout, you can set this parameter to -1.	false	named	100 seconds	true (ByPropertyName)	false

Attribute / Description	Parameters / Values				
	Required	Position	Default Value	Accept Pipeline input?	Accept wildcard characters?
<CommonParameters> Verbose, Debug, ErrorAction, ErrorVariable, WarningAction, WarningVariable, OutBuffer, PipelineVariable, and OutVariable. For more information, see About CommonParameters (http://go.microsoft.com/fwlink/?LinkID=113216).					

NOTE: For more information, type "`Get-Help Get-DRAExchangeAdminGroups -detailed`". For technical information, type "`Get-Help Get-DRAExchangeAdminGroups -full`".

Example 18-1 *1*

```
PS C:\>Get-DRAExchangeAdminGroups  -Domain MyDomain.corp
```

This example queries the DRA Server for a list of Exchange admin groups for the named domain. The response will contain an array of objects. Each object will contain various forms of the admin group name, such as the distinguished name and the LDAP path.

Get-DRAExchangeAliasName

Synopsis

Requests that the DRA Server generate an Exchange name alias based on the configured alias naming policy.

Syntax

```
Get-DRAExchangeAliasName -Domain <String> [-FirstName <String>] [-Initials
<String>] [-LastName <String>] [-SamAccountName <String>] [-DRARestServer
<String>] [-DRARestPort <Int32>] [-IgnoreCertificateErrors
<SwitchParameter>] [-Force <SwitchParameter>] [-Timeout <Int32>]
[<CommonParameters>]
```

Description

The Get-DRAExchangeAliasName cmdlet returns an Exchange name alias. The alias is applied to the mailNickname property of a user or contact. You must supply each of the properties named in the configured policy. If no policy is configured, supply the samAccountName property. The response contains the string generated by the server.

Parameters

Attribute / Description	Parameters / Values				
	Required	**Position**	**Default Value**	**Accept Pipeline input?**	**Accept wildcard characters?**
Domain <String> The domain of the object in fqdn format. For example: `mydomain.corp`	true	named		true (ByPropertyName)	false
FirstName [<String>] Specifies the FirstName of the User or GivenName of the contact for which you want to generate the Exchange name.	false	named		true (ByPropertyName)	false
Initials [<String>] Specifies the Initials property of the User or Contact for which you want to generate the Exchange name.	false	named		true (ByPropertyName)	false
LastName [<String>] Specifies the last name property of the User or Contact for which you want to generate the Exchange name.	false	named		true (ByPropertyName)	false
SamAccountName [<String>] Specifies the samAccountName property of the User for which you want to generate the Exchange name.	false	named		true (ByPropertyName)	false
DRARestServer [<String>] The name of the computer running the DRA Rest Service. The requested DRA operation will execute on this server. If the parameter is not specified, the value defaults to 'localhost'.	false	named		true (ByPropertyName	false
DRARestPort [<Int32>] The port where the DRA REST Service listens for requests. If the parameter is not specified, the value defaults to 8755.	false	named	8755	true (ByPropertyName	false

Attribute / Description	Parameters / Values				
	Required	**Position**	**Default Value**	**Accept Pipeline input?**	**Accept wildcard characters?**
IgnoreCertificateErrors [<SwitchParameter>] Allows the request to bypass any SSL certificate errors, such as the InvalidOperation error that occurs when the REST Service is bound to a self-signed certificate.	false	named		false	false
Force [<SwitchParameter>] Suppresses any request for user input and supplies a 'yes' response. For example: -Force with a delete request will perform the delete without presenting the confirmation request to the user.	false	named		false	false
Timeout [<Int32>] The number of seconds to wait before the request to the DRA REST server times out. To specify an infinite timeout, you can set this parameter to -1.	false	named	100 seconds	true (ByPropertyName)	false
<CommonParameters> Verbose, Debug, ErrorAction, ErrorVariable, WarningAction, WarningVariable, OutBuffer, PipelineVariable, and OutVariable. For more information, see About CommonParameters (http://go.microsoft.com/fwlink/?LinkID=113216).					

NOTE: For more information, type "`Get-Help Get-DRAExchangeAliasName -detailed`". For technical information, type "`Get-Help Get-DRAExchangeAliasName -full`".

Example 18-2 *1*

```
PS C:\>Get-DRAExchangeAliasName  -Domain MyDomain.corp -FirstName "George"
-LastName "Smith" -Initials "GXS" -SamAccountName "SmithG"
```

This example requests the Exchange name alias of the user named George in MyDomain.corp specifying all possible parameters. The results will contain the Exchange name alias generated by the DRA Server.

Get-DRAExchangeConfiguration

Synopsis

Gets information about the Exchange configuration in the specified domain.

Syntax

```
Get-DRAExchangeConfiguration -Domain <String> [-DRARestServer <String>] [-
DRARestPort <Int32>] [-IgnoreCertificateErrors <SwitchParameter>] [-Force
<SwitchParameter>] [-Timeout <Int32>] [<CommonParameters>]
```

Description

The Get-DRAExchangeConfiguration cmdlet queries the DRA Server for information about the Exchange environments in the domain specified by the Domain parameter.

Parameters

Attribute / Description	Parameters / Values				
	Required	**Position**	**Default Value**	**Accept Pipeline input?**	**Accept wildcard characters?**
Domain <String> The domain of the object in fqdn format. For example: `mydomain.corp`	true	named		true (ByPropertyName)	false
DRARestServer [<String>] The name of the computer running the DRA Rest Service. The requested DRA operation will execute on this server. If the parameter is not specified, the value defaults to 'localhost'.	false	named		true (ByPropertyName)	false
DRARestPort [<Int32>] The port where the DRA REST Service listens for requests. If the parameter is not specified, the value defaults to 8755.	false	named	8755	true (ByPropertyName)	false
IgnoreCertificateErrors [<SwitchParameter>] Allows the request to bypass any SSL certificate errors, such as the InvalidOperation error that occurs when the REST Service is bound to a self-signed certificate.	false	named		false	false

Attribute / Description	Parameters / Values				
	Required	**Position**	**Default Value**	**Accept Pipeline input?**	**Accept wildcard characters?**
Force [<SwitchParameter>] Suppresses any request for user input and supplies a 'yes' response. For example: -Force with a delete request will perform the delete without presenting the confirmation request to the user.	false	named		false	false
Timeout [<Int32>] The number of seconds to wait before the request to the DRA REST server times out. To specify an infinite timeout, you can set this parameter to -1.	false	named	100 seconds	true (ByPropertyName)	false
<CommonParameters> Verbose, Debug, ErrorAction, ErrorVariable, WarningAction, WarningVariable, OutBuffer, PipelineVariable, and OutVariable. For more information, see About CommonParameters (http://go.microsoft.com/fwlink/?LinkID=113216).					

NOTE: For more information, type "`Get-Help Get-DRAExchangeConfiguration -detailed`". For technical information, type "`Get-Help Get-DRAExchangeConfiguration -full`".

Example 18-3 *1*

```
PS C:\>Get-DRAExchangeConfiguration -Domain MyDomain.corp
```

This example queries the DRA Server for the Exchange configuration in the named domain. The response will contain properties that describe such things as which Exchange versions exist and which policies are enabled. Defined naming conventions are also returned.

Get-DRAExchangeMailboxPermissions

Synopsis

Retrieves the NT or Exchange security permissions of a user's mailbox.

Syntax

```
Get-DRAExchangeMailboxPermissions -Domain <String> [-IsNTSecurity
<SwitchParameter>] [-Attributes <String[]>] [-PowersForOperations
<String[]>] [-VisiblePropertiesOnly <SwitchParameter>] -Identifier
<String> [-DRARestServer <String>] [-DRARestPort <Int32>] [-
IgnoreCertificateErrors <SwitchParameter>] [-Force <SwitchParameter>] [-
Timeout <Int32>] [<CommonParameters>]
```

Description

The Get-DRAExchangeMailboxPermissions cmdlet returns the NT or Exchange security permissions of the requested user account managed by DRA. The requesting user must have the View All Group Properties power.

Parameters

Attribute / Description	Parameters / Values				
	Required	**Position**	**Default Value**	**Accept Pipeline input?**	**Accept wildcard characters?**
IsNTSecurity [<SwitchParameter>] Specifies that the NT Security permissions on the mailbox should be returned. If the parameter is not specified, the Exchange security permissions will be returned.	false	named		false	false
Attributes [<String[]>] An array of attributes to retrieve values for. If this parameter is missing, a default list of properties is returned.	false	named		true (ByPropertyName)	false
PowersForOperations [<String[]>] An array of DRA operation names for which you want the server to return read/write permission information.This parameter is typically used by a UI-based client to hide or disable elements the calling user doesn't have powers for. The `PowersForOperations` parameter is applicable only if you have specified the `Identifier` parameter.	false	named		true (ByPropertyName)	false

Attribute / Description	Parameters / Values				
	Required	**Position**	**Default Value**	**Accept Pipeline input?**	**Accept wildcard characters?**
VisiblePropertiesOnly [<SwitchParameter>] A flag to indicate whether DRA should return only properties the caller has powers to view. By default, DRA will return an error if the caller requests a property that they do not have powers to view. By specifying this flag, DRA is instructed to not return an error and instead just not return a value for such properties.	false	named		false	false
Identifier <String> The name or distinguished name of an existing Active Directory object. When the name is specified, an additional call to the DRA Server is needed to obtain the distinguished name for the object.	true	named		true (ByPropertyName)	false
Domain <String> The domain of the object in fqdn format. For example: `mydomain.corp`	true	named		true (ByPropertyName)	false
DRARestServer [<String>] The name of the computer running the DRA Rest Service. The requested DRA operation will execute on this server. If the parameter is not specified, the value defaults to 'localhost'.	false	named		true (ByPropertyName)	false
DRARestPort [<Int32>] The port where the DRA REST Service listens for requests. If the parameter is not specified, the value defaults to 8755.	false	named	8755	true (ByPropertyName)	false

Attribute / Description	Parameters / Values				
	Required	**Position**	**Default Value**	**Accept Pipeline input?**	**Accept wildcard characters?**
IgnoreCertificateErrors [<SwitchParameter>] Allows the request to bypass any SSL certificate errors, such as the InvalidOperation error that occurs when the REST Service is bound to a self-signed certificate.	false	named		false	false
Force [<SwitchParameter>] Suppresses any request for user input and supplies a 'yes' response. For example: -Force with a delete request will perform the delete without presenting the confirmation request to the user.	false	named		false	false
Timeout [<Int32>] The number of seconds to wait before the request to the DRA REST server times out. To specify an infinite timeout, you can set this parameter to -1.	false	named	100 seconds	true (ByPropertyName)	false
<CommonParameters> Verbose, Debug, ErrorAction, ErrorVariable, WarningAction, WarningVariable, OutBuffer, PipelineVariable, and OutVariable. For more information, see About CommonParameters (http://go.microsoft.com/fwlink/?LinkID=113216).					

NOTE: For more information, type "`Get-Help Get-DRAExchangeMailboxPermissions -detailed`". For technical information, type "`Get-Help Get-DRAExchangeMailboxPermissions -full`".

Example 18-4 *1*

```
PS C:\>Get-DRAExchangeMailboxPermissions  -Domain MyDomain.corp -
Identifier "CN=USER123,OU=Accounting,DC=MyDomain,DC=corp"
```

This example requests the Exchange mailbox permissions of the user named USER123 in MyDomain.corp. The identifier contains the distinguished name for the user.

Get-DRAExchangeServers

Synopsis

Gets the list of Exchange servers for the domain.

Syntax

```
Get-DRAExchangeServers -Domain <String> [-DRARestServer <String>] [-
DRARestPort <Int32>] [-IgnoreCertificateErrors <SwitchParameter>] [-Force
<SwitchParameter>] [-Timeout <Int32>] [<CommonParameters>]
```

Description

The Get-DRAExchangeServers queries the DRA Server for the list of Exchange servers in the specified domain.

Parameters

Attribute / Description	Parameters / Values				
	Required	**Position**	**Default Value**	**Accept Pipeline input?**	**Accept wildcard characters?**
Domain <String> The domain of the object in fqdn format. For example: `mydomain.corp`	true	named		true (ByPropertyName)	false
DRARestServer [<String>] The name of the computer running the DRA Rest Service. The requested DRA operation will execute on this server. If the parameter is not specified, the value defaults to 'localhost'.	false	named		true (ByPropertyName	false
DRARestPort [<Int32>] The port where the DRA REST Service listens for requests. If the parameter is not specified, the value defaults to 8755.	false	named	8755	true (ByPropertyName	false
IgnoreCertificateErrors [<SwitchParameter>] Allows the request to bypass any SSL certificate errors, such as the InvalidOperation error that occurs when the REST Service is bound to a self-signed certificate.	false	named		false	false

Attribute / Description	Parameters / Values				
	Required	**Position**	**Default Value**	**Accept Pipeline input?**	**Accept wildcard characters?**
Force [<SwitchParameter>] Suppresses any request for user input and supplies a 'yes' response. For example: -Force with a delete request will perform the delete without presenting the confirmation request to the user.	false	named		false	false
Timeout [<Int32>] The number of seconds to wait before the request to the DRA REST server times out. To specify an infinite timeout, you can set this parameter to -1.	false	named	100 seconds	true (ByPropertyName)	false
<CommonParameters> Verbose, Debug, ErrorAction, ErrorVariable, WarningAction, WarningVariable, OutBuffer, PipelineVariable, and OutVariable. For more information, see About CommonParameters (http://go.microsoft.com/fwlink/?LinkID=113216).					

NOTE: For more information, type "`Get-Help Get-DRAExchangeServers -detailed`". For technical information, type "`Get-Help Get-DRAExchangeServers -full`".

Example 18-5 *1*

```
PS C:\>Get-DRAExchangeServers -Domain MyDomain.corp
```

This example queries the DRA Server for a list of Exchange servers for the named domain.

Get-DRAExchangeStores

Synopsis

Gets the list of mailbox stores defined on the specified Exchange server.

Syntax

```
Get-DRAExchangeStores -Domain <String> -ExchangeServerLdapPath <String> [-
DRARestServer <String>] [-DRARestPort <Int32>] [-IgnoreCertificateErrors
<SwitchParameter>] [-Force <SwitchParameter>] [-Timeout <Int32>]
[<CommonParameters>]
```

Description

The Get-DRAExchangeStores cmdlet queries the DRA Server for the list of mailbox stores defined on the Exchange server specified by the ExchangeServerLdapPath parameter. The command Get-DRAExchangeStores may be used to retrieve the list of mail box stores which includes the full LDAP path. This LDAP path can be used for ExchangeServerLdapPath.

Parameters

Attribute / Description	Parameters / Values				
	Required	**Position**	**Default Value**	**Accept Pipeline input?**	**Accept wildcard characters?**
Properties <Hashtable> A hashtable of property values. The key is the name of a defined attribute in the REST interface. For example: `-Properties @{Attribute1DRADisplayName="my value"; Attribute2DRADisplayName=value}` Multiple values are specified as a comma-separated list. For example: `-Properties @{Attribute1DRADisplayName=value1, value2}` If the property name contains non-alphanumeric characters it needs to be quoted. For example: `-Properties @{"Attribute1-DRA-DisplayName"=value}` If the property value contains a quote it needs to be escaped with a backtick (`).  For example: `-Properties @{Attribute1DRADisplayName="`"sample`" value"}`	true	named		true (ByPropertyName)	false

Attribute / Description	Parameters / Values				
	Required	**Position**	**Default Value**	**Accept Pipeline input?**	**Accept wildcard characters?**
Identifier <String> The name or distinguished name of an existing Active Directory object. When the name is specified, an additional call to the DRA Server is needed to obtain the distinguished name for the object.	true	named		true (ByPropertyName)	false
Domain <String> The domain of the object in fqdn format. For example: `mydomain.corp`	true	named		true (ByPropertyName)	false
DRARestServer [<String>] The name of the computer running the DRA Rest Service. The requested DRA operation will execute on this server. If the parameter is not specified, the value defaults to 'localhost'.	false	named		true (ByPropertyName	false
DRARestPort [<Int32>] The port where the DRA REST Service listens for requests. If the parameter is not specified, the value defaults to 8755.	false	named	8755	true (ByPropertyName	false
IgnoreCertificateErrors [<SwitchParameter>] Allows the request to bypass any SSL certificate errors, such as the InvalidOperation error that occurs when the REST Service is bound to a self-signed certificate.	false	named		false	false
Force [<SwitchParameter>] Suppresses any request for user input and supplies a 'yes' response. For example: -Force with a delete request will perform the delete without presenting the confirmation request to the user.	false	named		false	false

Attribute / Description	Parameters / Values				
	Required	**Position**	**Default Value**	**Accept Pipeline input?**	**Accept wildcard characters?**
Timeout [<Int32>] The number of seconds to wait before the request to the DRA REST server times out. To specify an infinite timeout, you can set this parameter to -1. ***<CommonParameters>*** Verbose, Debug, ErrorAction, ErrorVariable, WarningAction, WarningVariable, OutBuffer, PipelineVariable, and OutVariable. For more information, see About CommonParameters (http://go.microsoft.com/fwlink/?LinkID=113216).	false	named	100 seconds	true (ByPropertyName)	false

NOTE: For more information, type "`Get-Help Get-DRAExchangeStores -detailed`". For technical information, type "`Get-Help Get-DRAExchangeStores -full`".

Example 18-6 *1*

```
PS C:\>Get-DRAExchangeStores -Domain MyDomain.corp -ExchangeServerLdapPath
LDAP://MDOMAIN.CORP/CN=etc
```

This example queries the DRA Server for a list of Exchange mailbox stores for the named domain. The response will contain an array of objects. Each object will contain properties of the mailbox store, such as the distinguished name and the full LDAP path.

Set-DRAExchangeMailboxPermissions

Synopsis

Sets the NT or Exchange security permissions of a user's mailbox.

Syntax

```
Set-DRAExchangeMailboxPermissions -Domain <String> [-IsNTSecurity
<SwitchParameter>] [-PreWindows2000Name <String>] [-Allow <String[]>]
[-Deny <String[]>] [-Undo <String[]>] -Identifier <String> [-DRARestServer
<String>] [-DRARestPort <Int32>] [-IgnoreCertificateErrors
<SwitchParameter>] [-Force <SwitchParameter>] [-Timeout <Int32>]
[<CommonParameters>]
```

Description

The Set-DRAExchangeMailboxPermissions cmdlet sets the NT or Exchange security permissions on the specified user account managed in DRA. The requesting user must have the View All Group Properties power.

Parameters

Attribute / Description	Parameters / Values				
	Required	**Position**	**Default Value**	**Accept Pipeline input?**	**Accept wildcard characters?**
IsNTSecurity [<SwitchParameter>] Specifies that the NT Security permissions on the mailbox should be returned. If the parameter is not specified, the Exchange security permissions will be returned.	false	named		false	false
PreWindows2000Name [<String>] The pre-Windows 2000 name of the trustee to grant permissions to.	false	named		false	false
Allow [<String[]>] Array of permission names the trustee will be granted Allow access for.	false	named		false	false
Deny [<String[]>] Array of permission names the trustee will be given Deny access for.	false	named		false	false
Undo [<String[]>] Array of permission names to remove for the trustee.	false	named		false	false
I***dentifier <String>*** The name or distinguished name of an existing Active Directory object. When the name is specified, an additional call to the DRA Server is needed to obtain the distinguished name for the object.	true	named		true (ByPropertyName)	false

Attribute / Description	Parameters / Values				
	Required	**Position**	**Default Value**	**Accept Pipeline input?**	**Accept wildcard characters?**
Domain <String> The domain of the object in fqdn format. For example: `mydomain.corp`	true	named		true (ByPropertyName)	false
DRARestServer [<String>] The name of the computer running the DRA Rest Service. The requested DRA operation will execute on this server. If the parameter is not specified, the value defaults to 'localhost'.	false	named		true (ByPropertyName)	false
DRARestPort [<Int32>] The port where the DRA REST Service listens for requests. If the parameter is not specified, the value defaults to 8755.	false	named	8755	true (ByPropertyName)	false
IgnoreCertificateErrors [<SwitchParameter>] Allows the request to bypass any SSL certificate errors, such as the InvalidOperation error that occurs when the REST Service is bound to a self-signed certificate.	false	named		false	false
Force [<SwitchParameter>] Suppresses any request for user input and supplies a 'yes' response. For example: -Force with a delete request will perform the delete without presenting the confirmation request to the user.	false	named		false	false
Timeout [<Int32>] The number of seconds to wait before the request to the DRA REST server times out. To specify an infinite timeout, you can set this parameter to -1.	false	named	100 seconds	true (ByPropertyName)	false

Attribute / Description	Parameters / Values				
	Required	Position	Default Value	Accept Pipeline input?	Accept wildcard characters?
<CommonParameters> Verbose, Debug, ErrorAction, ErrorVariable, WarningAction, WarningVariable, OutBuffer, PipelineVariable, and OutVariable. For more information, see About CommonParameters (http://go.microsoft.com/fwlink/?LinkID=113216).					

NOTE: For more information, type "`Get-Help Set-DRAExchangeMailboxPermissions -detailed`". For technical information, type "`Get-Help Set-DRAExchangeMailboxPermissions -full`".

Example 18-7 *1*

```
PS C:\>Set-DRAExchangeMailboxPermissions -Domain MyDomain.corp -Identifier
"CN=USER123,OU=Accounting,DC=MyDomain,DC=corp" -PreWindows2000Name
"MyDomain\User18B" -Allow "ntSendAs" -Deny "ntReceiveAs" -IsNTSecurity
```

This example sets the Exchange mailbox permissions of the user named USER123 in MyDomain.corp. The identifier contains the distinguished name for the user. User18B is allowed the ntSendAs permission and denied the ntReceiveAs permission.

Possible values for Allow or Deny Exchange permissions are: ExDelStor, ExCPerms, ExFullControl, ExAssocX, ExRPerms, ExTakeOwn. Possible values for Allow or Deny NT permissions are: ntSendAs, ntReceiveAs. You must specify the -IsNTSecurity flag with these.

Example 18-8 *2*

```
PS C:\>Set-DRAExchangeMailboxPermissions -Domain MyDomain.corp -Identifier
"CN=USER123,OU=Accounting,DC=MyDomain,DC=corp" -PreWindows2000Name
"MyDomain\User18" -Allow "ExRPerms","ExAssocX" -Deny
"ExAssocX","ExTakeOwn"
```

This example sets the Exchange mailbox permissions of the user named USER123 in MyDomain.corp. The identifier contains the distinguished name for the user. User18 is allowed read permission and denied an associated external account.

Possible values for Allow or Deny Exchange permissions are: ExDelStor, ExCPerms, ExFullControl, ExAssocX, ExRPerms, ExTakeOwn.

Possible values for Allow or Deny NT permissions are: ntSendAs, ntReceiveAs. You must specify the -IsNTSecurity flag with these.

Set-DRAMailboxFolderPermissions

Synopsis

Sets folder-level permissions for a user in mailboxes.

Syntax

```
Set-DRAMailboxFolderPermissions -Domain <String> [-PreWindows2000Name
<String>] [-Allow <String[]>] [-Deny <String[]>] [-Undo <String[]>] -
Identifier <String> [-DRARestServer <String>] [-DRARestPort <Int32>] [-
IgnoreCertificateErrors <SwitchParameter>] [-Force <SwitchParameter>] [-
Timeout <Int32>] [<CommonParameters>]
```

Description

The Set-DRAMailboxFolderPermissions cmdlet sets the folder-level permissions on the specified user account managed in DRA. The requesting user must have the Modify All Mailbox Rights power.

Parameters

Attribute / Description	Parameters / Values				
	Required	**Position**	**Default Value**	**Accept Pipeline input?**	**Accept wildcard characters?**
PreWindows2000Name [<String>]	false	named		false	false
The pre-Windows 2000 name of the trustee to grant permissions to.					
Allow [<String[]>]	false	named		false	false
Array of permission names the trustee will be granted ‘Allow access’ for.					
Deny [<String[]>]	false	named		false	false
Array of permission names the trustee will be given ‘Deny access’ for.					
Undo [<String[]>]	false	named		false	false
Array of permission names to remove for the trustee.					

Attribute / Description	Parameters / Values				
	Required	**Position**	**Default Value**	**Accept Pipeline input?**	**Accept wildcard characters?**
I***dentifier <String>*** The name or distinguished name of an existing Active Directory object. When the name is specified, an additional call to the DRA Server is needed to obtain the distinguished name for the object.	true	named		true (ByPropertyName)	false
Domain <String> The domain of the object in fqdn format. For example: `mydomain.corp`	true	named		true (ByPropertyName)	false
DRARestServer [<String>] The name of the computer running the DRA Rest Service. The requested DRA operation will execute on this server. If the parameter is not specified, the value defaults to 'localhost'.	false	named		true (ByPropertyName)	false
DRARestPort [<Int32>] The port where the DRA REST Service listens for requests. If the parameter is not specified, the value defaults to 8755.	false	named	8755	true (ByPropertyName)	false
IgnoreCertificateErrors [<SwitchParameter>] Allows the request to bypass any SSL certificate errors, such as the InvalidOperation error that occurs when the REST Service is bound to a self-signed certificate.	false	named		false	false
Force [<SwitchParameter>] Suppresses any request for user input and supplies a 'yes' response. For example: -Force with a delete request will perform the delete without presenting the confirmation request to the user.	false	named		false	false

Attribute / Description	Parameters / Values				
	Required	**Position**	**Default Value**	**Accept Pipeline input?**	**Accept wildcard characters?**
Timeout [<Int32>] The number of seconds to wait before the request to the DRA REST server times out. To specify an infinite timeout, you can set this parameter to -1. ***<CommonParameters>*** Verbose, Debug, ErrorAction, ErrorVariable, WarningAction, WarningVariable, OutBuffer, PipelineVariable, and OutVariable. For more information, see About CommonParameters (http://go.microsoft.com/fwlink/?LinkID=113216).	false	named	100 seconds	true (ByPropertyName)	true

NOTE: For more information, type "`Get-Help Set-DRAMailboxFolderPermissions -detailed`". For technical information, type "`Get-Help Set-DRAMailboxFolderPermissions -full`".

Example 18-9 *1*

```
PS C:\>Set-DRAMailboxFolderPermissions -Domain MyDomain.corp -Identifier
"CN=ShardMailbox123,OU=Accounting,DC=MyDomain,DC=corp" -PreWindows2000Name
"MyDomain\User18" -Allow "CreateItems","CreateSubfolders" -Deny
"DeleteAllItems"
```

This example sets the mailbox folder permissions of the user named ShardMailbox123 in MyDomain.corp. The identifier contains the distinguished name of the user. User18 is allowed to create items and subfolders and is prevented from deleting all items in the folder.

Possible values for Allow or Deny folder permissions are: `CreateItems`, `CreateSubfolders`, `DeleteAllItems`, `DeleteOwnedItems`, `EditAllItems`, `EditOwnedItems`, `FolderContact`, `FolderOwner`, `FolderVisible`, and `ReadItems`.

19 Online Shared Mailbox Commands

This section contains cmdlets you can execute for shared mailbox. These cmdlets apply to on-premises Exchange shared mailbox.

Get-DRAOnlineMailbox

Synopsis

Gets properties of a specified shared mailbox or a list of online sharedmailboxes in Exchange Online.

Syntax

```
Get-DRAOnlineMailbox -Tenant <String> [-OnlineSharedMailboxAndFilter
<Hashtable>] [-OnlineSharedMailboxOrFilter <Hashtable>] [-Identifier
<String>] [-Attributes <String[]>] [-PowersForOperations <String[]>] [-
VisiblePropertiesOnly <SwitchParameter>] [-EnforceServerLimit
<SwitchParameter>] [-ObjectsPerResponse <Int32>] [-ResumeString <String>]
[-DRARestServer <String>] [-DRARestPort <Int32>] [-IgnoreCertificateErrors
<SwitchParameter>] [-Force <SwitchParameter>] [-Timeout <Int32>]
[<CommonParameters>]
```

Description

The Get-DRAOnlineMailbox cmdlet retrieves one or more online shared mailboxes from Exchange Online. You can view the default list of attributes or specify specific attributes.

Refer to the examples for details on how to view specific attributes.

Parameter

Attribute / Description	Parameters / Values				
	Required	**Position**	**Default Value**	**Accept Pipeline input?**	**Accept wildcard characters?**
OnlineSharedMailboxAndFilter[<Hashtable>] The attributes to use for searching online shared mailbox objects. Online shared mailbox matching all of the listed attributes will be returned.	false	named		true (ByPropertyName)	false

Attribute / Description	Parameters / Values				
	Required	**Position**	**Default Value**	**Accept Pipeline input?**	**Accept wildcard characters?**
OnlineSharedMailboxOrFilter[<Hashtable>] The attributes to use for searching online shared mailbox objects. Online shared mailboxes matching any of the listed attributes will be returned.	false	named		true (ByPropertyName)	false
Identifier [<String>] The GUID or UPN of the Entra ID user. When the Identifier is a UPN, the Tenant parameter will be ignored.	false	named		true (ByPropertyName)	false
Tenant <String> The Tenant ID of the object in GUID or displayname format. For example: b201dhg8-087e-5n9d-9986-c4d987bfa0b1 or MyTenant.	false	named		true (ByPropertyName)	false
Attributes [<String[]>] An array of attributes to retrieve specific values. If this parameter is missing, a default list of attributes is returned.	false	named		true (ByPropertyName)	false
PowersForOperations [<String[]>] An array of DRA operation names for which you want the server to return read/write permission information. This parameter is typically used by a UI-based client to hide or disable elements the calling user doesn't have powers for. The PowersForOperations parameter is applicable only if you have specified the Identifier parameter.	false	named		true (ByPropertyName)	false

Attribute / Description	Parameters / Values				
	Required	**Position**	**Default Value**	**Accept Pipeline input?**	**Accept wildcard characters?**
VisiblePropertiesOnly [<SwitchParameter>] A flag to indicate whether DRA should return only properties the caller has powers to view. By default, DRA will return an error if the caller requests a property that they do not have powers to view. By specifying this flag DRA is instructed to not return an error and instead just not return a value for such attributes.	false	named		false	false
EnforceServerLimit [<SwitchParameter>] A switch parameter indicates that the search results should be limited by the search result limit on the DRA Server. The typical server limit is 1000 items. The default is true.	false	named		false	false
ObjectsPerResponse [<Nullable`1>] The number of objects to return in a response. The default is 250.	false	named		false	false
ResumeString [<String>] This parameter indicates the last item returned from the server when multiple responses are needed to return all the search results to the client. The value of this parameter is set using the ResumeString property from the previous set of results. The ResumeString looks like: "CN=MYUser160,CN=Users, DC=MyDomain,DC=corp"The EnforceServerLimit, ObjectsPerResponse, and ResumeString parameters are applicable only when the Identifier parameter is not specified.	false	named		false	false

Attribute / Description	Parameters / Values				
	Required	**Position**	**Default Value**	**Accept Pipeline input?**	**Accept wildcard characters?**
DRARestServer [<String>] The name of the computer running the DRA REST Service. The requested DRA operation will execute on this server. If the parameter is not specified, the value defaults to 'localhost'.	false	named		true (ByPropertyName)	false
DRARestPort [<Int32>] The port where the DRA REST Service listens for requests. This parameter is used only when the DRARestServer parameter is also specified. If the parameter is not specified, the value defaults to 8755	false	named	8755	true (ByPropertyName)	false
IgnoreCertificateErrors [<SwitchParameter>] Allows the request to bypass any SSL certificate errors, such as the InvalidOperation error that occurs when the REST Service is bound to a self-signed certificate.	false	named		false	false
Force [<SwitchParameter>] Suppresses any request for user input and supplies a 'yes' response. For example: -Force with a delete request will perform the delete without presenting the confirmation request to the user.	false	named		false	false
Timeout [<Int32>] The wait time in seconds before the request to the DRA REST server times out. To specify an infinite timeout, you can set this parameter to -1.	false	named	100 seconds	true (ByPropertyName)	false

Attribute / Description	Parameters / Values				
	Required	Position	Default Value	Accept Pipeline input?	Accept wildcard characters?
<CommonParameters> Verbose, Debug, ErrorAction, ErrorVariable, WarningAction, WarningVariable, OutBuffer, PipelineVariable, and OutVariable. For more information see (https://learn.microsoft.com/en-us/powershell/module/microsoft.powershell.core/about/about_commonparameters?view=powershell-7.4)					

NOTE: For more information, type "Get-Help Get-DRAOnlineMailbox -detailed". For technical information, type "Get-Help Get-DRAOnlineMailbox -full".

Example 19-1 *1*

```
PS C:\\>Get-DRAOnlineMailbox -Tenant b201dhg8-087e-5n9d-9986-c4d987bfa0b1
-OnlineSharedMailboxOrFilter @{Name="PF*"} -ObjectsPerResponse 50

PS C:\\>Get-DRAOnlineMailbox -Tenant b201dhg8-087e-5n9d-9986-c4d987bfa0b1
-OnlineSharedMailboxOrFilter @{Name="PF*"} -ObjectsPerResponse 50 -
ResumeString "CN=770DF55D-062B-4115-A8AF-A6A865A4BA00,AZ=b201dhg8-087e-
5n9d-9986-c4d987bfa0b1\"
```

In this example, DRA searches the tenant "b201dhg8-087e-5n9d-9986-c4d987bfa0b1" for online shared mailboxes with a name attribute starting with "PF". The server will return a maximum of 50 items in the response. If there are more objects than the number specified in ObjectsPerResponse, the ResumeString will be returned, which can be used in a subsequent call to retrieve the next set of objects. The next line in this example demonstrates how to use the ResumeString in the subsequent call.

Example 19-2 *1*

```
PS C:\\>Get-DRAOnlineMailbox -Tenant MyTenant -OnlineSharedMailboxOrFilter
@{MultiMatch="SCH"}
```

In this example, a filtered search will be conducted using "SCH" with Multimatch.

New-DRAOnlineMailbox

Synopsis

Creates a online shared mailbox in the Exchange Online.

Syntax

```
New-DRAOnlineMailbox -Tenant <String> Name <String> [-Shared
<SwitchParameter>] [-UserPrincipalName <String>] [-Alias <String>] [-
DisplayName <String>] [-FirstName <String>][-LastName <String>]-
properties <Hashtable>
```

Description

The New-DRAOnlineMailbox cmdlet creates a shared mailbox in Exchange Online. The requesting user must have the Create Online Shared Mailbox and Modify All Properties permissions or a custom permission with the necessary rights for the requested attributes. Use the Properties parameter to specify the values to use when creating the online shared mailbox.

Parameters

Attribute / Description	Parameters / Values				
	Required	**Position**	**Default Value**	**Accept Pipeline input?**	**Accept wildcard characters?**
Name <String> The unique name of the onpremises user and the associated online mailbox in the cloud-based service.	true	named		true (ByPropertyName)	false

Attribute / Description	Parameters / Values				
	Required	**Position**	**Default Value**	**Accept Pipeline input?**	**Accept wildcard characters?**
Properties <Hashtable> A hashtable of property values. The key is the name of a defined attribute in the REST interface. For example: -Properties @{Attribute1DRADisplayName="my value"; Attribute2DRADisplayName=value} Multiple values are specified as a comma-separated list. For example: -Properties @{Attribute1DRADisplayName=value1, value2} If the property name contains non-alphanumeric characters it needs to be quoted. For example: -Properties @{"Attribute1-DRADisplayName"=value} If the property value contains a quote it needs to be escaped with a backtick (`).  For example: -Properties @{Attribute1DRADisplayName="`"sample`" value"}	true	named		true (ByPropertyName)	false
Shared <String> The Shared switch specifies whether the mailbox in the cloud-based service must be created as a shared mailbox.	true	named		true (ByPropertyName)	false
UserPrincipalName [<String>] The login name for the onpremises user account. The UPN uses an email address format: username@domain.com Typically, the domain value is the domain where the on-premises user account resides.	false	named		true (ByPropertyName)	false

Attribute / Description	Parameters / Values				
	Required	**Position**	**Default Value**	**Accept Pipeline input?**	**Accept wildcard characters?**
Alias [<String>] The Exchange alias (also known as the mail nickname) for the onpremises user account.	false	named		true (ByPropertyName)	false
DisplayName [<String>] Allows the request to bypass any SSL certificate errors, such as the InvalidOperation error that occurs when the REST Service is bound to a self-signed certificate.	false	named		true (ByPropertyName)	false
FirstName [<String>] The user's first name.	false	named		true (ByPropertyName)	false
LastName [<String>] The user's last name.	false	named		true (ByPropertyName)	false

NOTE: For more information, type "Get-Help New-DRAOnlineMailbox -detailed". For technical information, type "Get-Help New-DRAOnlineMailbox -full".

Example 19-3 *1*

```
PS C:\\>New-DRAOnlineMailbox -Tenant MyTenant -Shared -Name
"MySharedMailbox" -PrimarySmtpAddress
"MySharedMailbox@MyTenant.online.com"
```

This example creates an online shared mailbox named "MySharedMailbox" in Exchange Online using the DisplayName and PrimarySmtpAddress properties.

Example 19-4 *2*

```
PS C:\\>New-DRAOnlineMailbox -Tenant MyTenant -Shared -Name
"MySharedMailbox\" -PrimarySmtpAddress
"MySharedMailbox@MyTenant.online.com" -Properties
@{Office365SendAsAdd=\"CN=a89cc7f6-1e9f-41fc-9715-
f3e27fb1f4cb,AZ=3d562c8d-1d55-45ae-8288-7b58486bad44\",\"CN=9930F390-27CE-
4D90-88E9-955D8A8FFD37,az=0fa60a63-c83d-41b7-b600-202185e8db05\"}
```

This example creates an online shared mailbox named "MySharedMailbox" in Exchange Online using multiple properties, including adding the "send as" permission for trustees. The shared mailbox will be created in the tenant "MyTenant."

Remove-DRAOnlineMailbox

Synopsis

Removes a online shared mailbox in Exchange Online.

Syntax

```
Remove-DRAOnlineMailbox -Tenant <String> -Identifier <String> [-
DRARestServer <String>] [-DRARestPort <Int32>] [-IgnoreCertificateErrors
<SwitchParameter>] [-Force <SwitchParameter>] [-Timeout <Int32>]
[<CommonParameters>]
```

Description

The Remove-DRAOnlineMailbox cmdlet removes a shared mailbox in Exchange Online. The requesting user must have the "Delete Online Shared Mailbox Account Permanently" permission.

Parameters

Attribute / Description	Parameters / Values				
	Required	**Position**	**Default Value**	**Accept Pipeline input?**	**Accept wildcard characters?**
Identifier [<String>] The GUID or UPN of the online shared mailbox. When the Identifier is a UPN, the Tenant parameter will be ignored.	true	named		true (ByPropertyName)	false
Tenant [<String>] The Tenant ID of the object in GUID or displayname format. For example: b201dhg8-087e- 5n9d-9986-c4d987bfa0b1 or MyTenant.	true	named		true (ByPropertyName)	false
DRARestServer [<String>] The name of the computer running the DRA REST Service. The requested DRA operation will execute on this server. If the parameter is not specified, the value defaults to 'localhost'.	false	named		true (ByPropertyName)	false

Attribute / Description	Parameters / Values				
	Required	**Position**	**Default Value**	**Accept Pipeline input?**	**Accept wildcard characters?**
DRARestPort [<Int32>] The port where the DRA REST Service listens for requests. This parameter is used only when the DRARestServer parameter is also specified. If the parameter is not specified, the value defaults to 8755.	false	named	8755	true (ByPropertyName)	false
IgnoreCertificateErrors [<SwitchParameter>] Allows the request to bypass any SSL certificate errors, such as the InvalidOperation error that occurs when the REST Service is bound to a self-signed certificate.	false	named		false	false
Force [<SwitchParameter>] Suppresses any request for user input and supplies a 'yes' response. For example: -Force with a delete request will perform the delete without presenting the confirmation request to the user.	false	named		false	false
Timeout [<Int32>] The wait time in seconds before the request to the DRA REST server times out. To specify an infinite timeout, you can set this parameter to -1.	false	named	100 seconds	true (ByPropertyName)	false
<CommonParameters> Verbose, Debug, ErrorAction, ErrorVariable, WarningAction, WarningVariable, OutBuffer, PipelineVariable, and OutVariable. For more information, see About CommonParameters (http://go.microsoft.com/fwlink/?LinkID=113216).					

NOTE: For more information, type "`Get-Help Remove-DRAOnlineMailbox -detailed`". For technical information, type "`Get-Help Remove-DRAOnlineMailbox -full`".

***Example 19-5** 1*

```
PS C:\\>Remove-DRAOnlineMailbox -Tenant b201dhg8-087e-5n9d-9986-
c4d987bfa0b1-Identifier 23225bb1-5ac0-4b4c-a23c-beb7fad44b65
```

The example is correct for removing the Online Shared Mailbox identified by the GUIDs specified in the respective tenants.

***Example 19-6** 2*

```
PS C:\\>Remove-DRAOnlineMailbox -Tenant MyTenant -Identifier
"testuser@mytenant.onmicrosoft.com
```

This example deletes the Online Shared Mailbox identified by the UPN "testuser@mytenant.onmicrosoft.com" in the tenant with the display name "MyTenant". The Identifier parameter contains the UPN of the online shared mailbox. When the Identifier is a UPN, the Tenant parameter will be ignored.

Set-DRAOnlineMailbox

Synopsis

Updates a online shared mailbox in Exchange Online.

Syntax

```
Set-DRAOnlineMailbox -Tenant <String> [-
AcceptMessagesOnlyFromSendersOrMembers <String[]>][-
RejectMessagesFromSendersOrMembers <String[]> [-Alias <String>] [-
DisplayName <String>] [-CustomAttribute1 <String>] [-CustomAttribute2
<String>] [-CustomAttribute3 <String>] [-CustomAttribute4 <String>] [-
CustomAttribute5 <String> [-CustomAttribute6 <String>] [-CustomAttribute7
<String>] [-CustomAttribute8 <String>] [-CustomAttribute9 <String>] [-
CustomAttribute10 <String>] [-CustomAttribute11 <String>] [-
CustomAttribute12 <String>] [-CustomAttribute13 <String>] [-
CustomAttribute14 <String>] [-CustomAttribute15 <String>] [-EmailAddresses
<String>] [-ForwardingSmtpAddress <String[]>][-GrantSendOnBehalfTo
<String[]>] [-DeliverToMailboxAndForward <Boolean>][-
LitigationHoldDuration <String[]>] [-LitigationHoldEnabled
<String[]>] [-HiddenFromAddressListsEnabled <Boolean>] [-MailTip
<String>][-MaxReceiveSize <String[]> [-MaxSendSize <String[]> [-Name
<String>] [-RecipientLimits <Int32> [-UserPrincipalName <String>] [-
Properties <Hashtable>] [-Replace <Hashtable>] [-Add <Hashtable>] [-Remove
<Hashtable>] [-Clear <String[]>] -Identifier <String>
```

Description

The Set-DRAOnlineMailbox cmdlet updates a shared mailbox in Exchange Online.

Parameters

Attribute / Description	Parameters / Values				
	Required	**Position**	**Default Value**	**Accept Pipeline input?**	**Accept wildcard characters?**
AcceptMessagesOnlyFromSendersOrMembers[<String>] The AcceptMessagesOnlyFromSendersOrMembers parameter specifies who is allowed to send messages to this recipient.Messages from other senders are rejected.	false	named		true (ByPropertyName)	false
RejectMessagesFromSendersOrMembers [<String>] The RejectMessagesFromSendersOrMembers parameter specifies who isn't allowed to send messages to this recipient. Messages from these senders are rejected.	false	named		true (ByPropertyName)	false
Alias [<String>] The Exchange alias (also known as the mail nickname) for the onpremises user account.	false	named		true (ByPropertyName)	false
DisplayName [<String>] The display name of the user and the associated mailbox in the cloud-based service.	false	named		true (ByPropertyName)	false
CustomAttribute1 [<String>] CustomAttribute1 property with custom information about the remote mailbox.	false	named		true (ByPropertyName)	false
CustomAttribute2 [<String>] CustomAttribute2 property with custom information about the remote mailbox.	false	named		true (ByPropertyName)	false

Attribute / Description	Parameters / Values				
	Required	**Position**	**Default Value**	**Accept Pipeline input?**	**Accept wildcard characters?**
CustomAttribute3 [<String>] CustomAttribute3 property with custom information about the remote mailbox.	false	named		true (ByPropertyName)	false
CustomAttribute4 [<String>] CustomAttribute4 property with custom information about the remote mailbox.	false	named		true (ByPropertyName)	false
CustomAttribute5 [<String>] CustomAttribute5 property with custom information about the remote mailbox.	false	named		true (ByPropertyName)	false
CustomAttribute6 [<String>] CustomAttribute6 property with custom information about the remote mailbox.	false	named		true (ByPropertyName)	false
CustomAttribute7 [<String>] CustomAttribute7 property with custom information about the remote mailbox.	false	named		true (ByPropertyName)	false
CustomAttribute8 [<String>] CustomAttribute8 property with custom information about the remote mailbox.	false	named		true (ByPropertyName)	false
CustomAttribute9 [<String>] CustomAttribute9 property with custom information about the remote mailbox.	false	named		true (ByPropertyName)	false
CustomAttribute10 [<String>] CustomAttribute10 property with custom information about the remote mailbox.	false	named		true (ByPropertyName)	false
CustomAttribute11 [<String>] CustomAttribute11 property with custom information about the remote mailbox.	false	named		true (ByPropertyName)	false

Attribute / Description	Parameters / Values				
	Required	**Position**	**Default Value**	**Accept Pipeline input?**	**Accept wildcard characters?**
CustomAttribute12 [<String>] CustomAttribute12 property with custom information about the remote mailbox.	false	named		true (ByPropertyName)	false
CustomAttribute13 [<String>] CustomAttribute13 property with custom information about the remote mailbox.	false	named		true (ByPropertyName)	false
CustomAttribute14 [<String>] CustomAttribute14 property with custom information about the remote mailbox.	false	named		true (ByPropertyName)	false
CustomAttribute15 [<String>] CustomAttribute15 property with custom information about the remote mailbox.	false	named		true (ByPropertyName)	false
EmailAddresses [<String>] Proxy email addresses for the remote mailbox.	false	named		true (ByPropertyName)	false
HiddenFromAddressListsEnabled [<Nullable`1>] Indicates whether the remote mailbox is visible from other address lists.	false	named		true (ByPropertyName)	false
MailTip [<String>] Custom MailTip text for the remote mailbox.	false	named		true (ByPropertyName)	false
DeliverToMailboxAndForward [<Nullable`1>] The DeliverToMailboxAndForward parameter specifies the message delivery behavior when a forwarding address is specified by the ForwardingAddress or ForwardingSmtpAddress parameters.	false	named		true (ByPropertyName)	false

Attribute / Description	Parameters / Values				
	Required	**Position**	**Default Value**	**Accept Pipeline input?**	**Accept wildcard characters?**
ForwardingSmtpAddress [<String>] The ForwardingSmtpAddress parameter specifies a forwarding SMTP address for messages that are sent to this mailbox.	false	position		true (ByPropertyName)	false
LitigationHoldDuration [<String>] The LitigationHoldDuration parameter specifies how long mailbox items are held if the mailbox is placed on litigation hold.	false	named		true (ByPropertyName)	false
MaxReceiveSize [<String>] The MaxReceiveSize parameter specifies the maximum size of a message that can be sent to the mailbox. Messages larger than the maximum size are rejected.	false	named		true (ByPropertyName)	false
MaxSendSize [<String>] The MaxSendSize parameter specifies the maximum size of a message that can be sent by the mailbox.	false	named		true (ByPropertyName)	false
RecipientLimits [<Int32>] The RecipientLimits parameter specifies the maximum number of recipients allowed in messages sent by the mailbox.	false	named		true (ByPropertyName)	false
Name [<String>] The unique name of the onpremises user and the associated mailbox in the cloud-based service.	false	named		true (ByPropertyName)	false
UserPrincipalName [<String>] Indicates whether the user must change their password the next time they log on.	false	named		true (ByPropertyName)	false

Attribute / Description	Parameters / Values				
	Required	**Position**	**Default Value**	**Accept Pipeline input?**	**Accept wildcard characters?**
Properties <Hashtable> A hashtable of property values. The key is the name of a defined attribute in the REST interface. For example: -Properties @{Attribute1DRADisplayName="my value"; Attribute2DRADisplayName=value} Multiple values are specified as a comma-separated list. For example: -Properties @{Attribute1DRADisplayName=value1, value2} If the property name contains non-alphanumeric characters it needs to be quoted. For example: -Properties @{"Attribute1-DRADisplayName"=value} If the property value contains a quote it needs to be escaped with a backtick (`).  For example: -Properties @{Attribute1DRADisplayName="`"sample`" value"}	false	named		true (ByPropertyName)	false

Attribute / Description	Parameters / Values				
	Required	**Position**	**Default Value**	**Accept Pipeline input?**	**Accept wildcard characters?**
Replace [<Hashtable>] A Hashtable of property values to replace the current set of values for the specified property. The key is the name of a defined property in the REST interface. For example: -Replace @{Attribute1DRADisplayName="my value"; Attribute2DRADisplayName=value} Multiple values are specified as a comma-separated list and will replace currently set values. For example: -Replace @{Attribute1DRADisplayName=value1, value2} If the property name contains non-alphanumeric characters it needs to be quoted. For example: -Replace @{"Attribute1-DRADisplayName"=value} If the property value contains a quote it needs to be escaped with a backtick (`).  For example: -Replace  @{Attribute1DRADisplayName="`"sample`" value"}	false	named		true (ByPropertyName)	false

Attribute / Description	Parameters / Values				
	Required	**Position**	**Default Value**	**Accept Pipeline input?**	**Accept wildcard characters?**
Add [<Hashtable>] A Hashtable of property values to add to the current set of values for the specified multi-valued property. The key is the name of a defined property in the REST interface. For example: -Add @{Attribute1DRADisplayName=value; Attribute2DRADisplayName=value1, value2; ...; AttributeNDRADisplayName=value1, value2} Multiple values are specified as a comma-separated list. For example: -Add @{Attribute1DRADisplayName=value1, value2}} If the property name contains non-alphanumeric characters it needs to be quoted. For example: -Add @{"Attribute1-DRADisplayName"=value} If the property value contains a quote it needs to be escaped with a backtick (`).  For example: -Add @{Attribute1DRADisplayName="`"sample`" value"}	false	named		true (ByPropertyName)	false

Attribute / Description	Parameters / Values				
	Required	**Position**	**Default Value**	**Accept Pipeline input?**	**Accept wildcard characters?**
Remove [<Hashtable>] A Hashtable of property values to remove from the current set of values for the specified multivalued property. The key is the name of a defined property in the REST interface. For example: -Remove @{Attribute1DRADisplayName=value; Attribute2DRADisplayName=value1, value2; ...; AttributeNDRADisplayName=value1, value2} Multiple values are specified as a comma-separated list and will be removed from currently set values. For example: -Remove @{Attribute1DRADisplayName=value1,value2} If the property name contains non-alphanumeric characters it needs to be quoted. For example: -Remove @{"Attribute1-DRADisplayName"=value} If the property value contains a quote it needs to be escaped with a backtick (`).  For example: -Remove @{Attribute1DRADisplayName="`"sample`" value"	false	named		true (ByPropertyName)	false

Attribute / Description	Parameters / Values				
	Required	**Position**	**Default Value**	**Accept Pipeline input?**	**Accept wildcard characters?**
Clear [<String>] An array of property names whose values will be cleared. Each name is the name of a defined property in the REST interface. For example: -Clear "Attribute1-DRADisplayName" Multiple values need to be separated by a comma. For example: -Clear Attribute1DRADisplayName, Attribute2DRADisplayName	false	named		true (ByPropertyName)	false
Tenant [<String>] The Tenant ID of the object in GUID or displayname format.	true	named		true (ByPropertyName)	false
Identifier [<String>] The name or distinguished name of an existing Active Directory object.	true	named		true (ByPropertyName)	false

NOTE: For more information, type "Get-Help Set-DRAOnlineMailbox -detailed". For technical information, type "Get-Help Set-DRAOnlineMailbox -full".

Example 19-7 *1*

```
PS C:\\>Set-DRAOnlineMailbox -Tenant b201dhg8-087e-5n9d-9986-c4d987bfa0b1
-Identifier 23225bb1-5ac0-4b4c-a23c-beb7fad44b65-Properties
@{JobTitle="Manager";city="Houston"}
```

This example updates the specified properties of the online shared mailbox with the GUID 23225bb1-5ac0-4b4c-a23c-beb7fad44b65 in the tenant with the ID b201dhg8-087e-5n9d-9986-c4d987bfa0b1. The properties updated are JobTitle and City.

Example 19-8 *2*

```
PS C:\\>Set-DRAOnlineMailbox -Tenant b201dhg8-087e-5n9d-9986-c4d987bfa0b1
-Identifier 23225bb1-5ac0-4b4c-a23c-beb7fad44b65-Properties
@{AddToGroups="CN=a89cc7f6-1e9f-41fc-9715-f3e27fb1f4cb,AZ=b201dhg8-087e-
5n9d-9986-c4d987bfa0b1"}
```

This example updates the specified property of the online shared mailbox 23225bb1-5ac0-4b4ca23c-beb7fad44b65 in tenant b201dhg8-087e-5n9d-9986-c4d987bfa0b1. The identifier contains the GUID for the online shared mailbox. The property AddToGroups will add the user to the specified group.

20 Public Folder Commands

This section contains cmdlets you can execute for the Public Folder.

- "Disable-DRAMailPublicFolder" on page 491
- "Enable-DRAMailPublicFolder" on page 493
- "Get-DRAPublicFolder" on page 496
- "New-DRAPublicFolder" on page 502
- "Remove-DRAPublicFolder" on page 505
- "Set-DRAPublicFolder" on page 509

- "Disable-DRAMailPublicFolder" on page 491
- "Enable-DRAMailPublicFolder" on page 493
- "Get-DRAPublicFolder" on page 496
- "New-DRAPublicFolder" on page 502
- "Remove-DRAPublicFolder" on page 505
- "Set-DRAPublicFolder" on page 509

Disable-DRAMailPublicFolder

Synopsis

Disables mail of public folders.

Syntax

```
Disable-DRAMailPublicFolder -Domain <String> -Identifier <String> [-
DRARestServer <String>] [-DRARestPort <Int32>] [-IgnoreCertificateErrors
<SwitchParameter>] [-Force <SwitchParameter>] [-Timeout <Int32>]
[<CommonParameters>]
```

Description

The Disable-DRAMailPublicFolder cmdlet disables mail of public folders. The requesting user must have the Delete Email for Public Folder power.

Parameters

Attribute / Description	Parameters / Values				
	Required	**Position**	**Default Value**	**Accept Pipeline input?**	**Accept wildcard characters?**
Identifier <String> The name or distinguished name of an existing Active Directory object. When the name is specified, an additional call to the DRA Server is needed to obtain the distinguished name for the object.	true	named		true (ByPropertyName)	false
Domain <String> The domain of the object in fqdn format. For example: `mydomain.corp`	true	named		true (ByPropertyName)	false
DRARestServer [<String>] The name of the computer running the DRA Rest Service. The requested DRA operation will execute on this server. If the parameter is not specified, the value defaults to 'localhost'.	false	named		true (ByPropertyName)	false
DRARestPort [<Int32>] The port where the DRA REST Service listens for requests. If the parameter is not specified, the value defaults to 8755.	false	named	8755	true (ByPropertyName)	false
IgnoreCertificateErrors [<SwitchParameter>] Allows the request to bypass any SSL certificate errors, such as the InvalidOperation error that occurs when the REST Service is bound to a self-signed certificate.	false	named		false	false
Force [<SwitchParameter>] Suppresses any request for user input and supplies a 'yes' response. For example: -Force with a delete request will perform the delete without presenting the confirmation request to the user.	false	named		false	false

Attribute / Description	Parameters / Values				
	Required	**Position**	**Default Value**	**Accept Pipeline input?**	**Accept wildcard characters?**
Timeout [<Int32>] The number of seconds to wait before the request to the DRA REST server times out. To specify an infinite timeout, you can set this parameter to -1. ***<CommonParameters>*** Verbose, Debug, ErrorAction, ErrorVariable, WarningAction, WarningVariable, OutBuffer, PipelineVariable, and OutVariable. For more information, see About CommonParameters (http://go.microsoft.com/fwlink/?LinkID=113216).	false	named	100 seconds	false	false

NOTE: For more information, type "`Get-Help Disable-DRAMailPublicFolder -detailed`". For technical information, type "`Get-Help Disable-DRAMailPublicFolder -full`".

Example 20-1 *1*

```
PS C:\>Disable-DRAMailPublicFolder -Identifier
"PF=MyPublicFolder,DC=MyDomain,DC=corp" -Domain MyDomain.corp
```

This example will disable mail of public folders named MyPublicFolder.

Enable-DRAMailPublicFolder

Synopsis

Enables mail of public folders.

Syntax

```
Enable-DRAMailPublicFolder -Domain <String> -Identifier <String> [-
DRARestServer <String>] [-DRARestPort <Int32>] [-IgnoreCertificateErrors
<SwitchParameter>] [-Force <SwitchParameter>] [-Timeout <Int32>]
[<CommonParameters>]
```

Description

The `Enable-DRAMailPublicFolder` cmdlet enables mail of public folders. The requesting user must have the Enable Email for Public Folder power.

Parameters

Attribute / Description	Parameters / Values				
	Required	**Position**	**Default Value**	**Accept Pipeline input?**	**Accept wildcard characters?**
Identifier <String> The name or distinguished name of an existing Active Directory object. When the name is specified, an additional call to the DRA Server is needed to obtain the distinguished name for the object.	true	named		true (ByPropertyName)	false
Domain <String> The domain of the object in fqdn format. For example: `mydomain.corp`	true	named		true (ByPropertyName)	false
DRARestServer [<String>] The name of the computer running the DRA Rest Service. The requested DRA operation will execute on this server. If the parameter is not specified, the value defaults to 'localhost'.	false	named		true (ByPropertyName)	false
DRARestPort [<Int32>] The port where the DRA REST Service listens for requests. If the parameter is not specified, the value defaults to 8755.	false	named	8755	true (ByPropertyName)	false
IgnoreCertificateErrors [<SwitchParameter>] Allows the request to bypass any SSL certificate errors, such as the InvalidOperation error that occurs when the REST Service is bound to a self-signed certificate.	false	named		false	false
Force [<SwitchParameter>] Suppresses any request for user input and supplies a 'yes' response. For example: -Force with a delete request will perform the delete without presenting the confirmation request to the user.	false	named		false	false

Attribute / Description	Parameters / Values				
	Required	**Position**	**Default Value**	**Accept Pipeline input?**	**Accept wildcard characters?**
Timeout [<Int32>] The number of seconds to wait before the request to the DRA REST server times out. To specify an infinite timeout, you can set this parameter to -1.	false	named	100 seconds	false	false
<CommonParameters> Verbose, Debug, ErrorAction, ErrorVariable, WarningAction, WarningVariable, OutBuffer, PipelineVariable, and OutVariable. For more information, see About CommonParameters (http://go.microsoft.com/fwlink/?LinkID=113216).					

NOTE: For more information, type "`Get-Help Enable-DRAMailPublicFolder -detailed`". For technical information, type "`Get-Help Enable-DRAMailPublicFolder -full`".

Example 20-2 *1*

```
PS C:\>Enable-DRAMailPublicFolder -Identifier
"PF=MyPublicFolder,DC=MyDomain,DC=corp" -Domain MyDomain.corp
```

This example will enable mail of public folders named MyPublicFolder.

Get-DRAPublicFolder

Synopsis

It can be used to Search public folders or retrieve information about a public folder in DRA.

Syntax

```
Get-DRAPublicFolder [-PublicFolderAndFilter <Hashtable>] [-
PublicFolderOrFilter <Hashtable>] [-VisiblePropertiesOnly
<SwitchParameter>] [-GetChildren <SwitchParameter>] [-Recurse
<SwitchParameter>] [-Identifier <String>] -Domain <String> [-ContainerDN
<String>] [-EnforceServerLimit <SwitchParameter>] [-IncludeChildContainers
<SwitchParameter>] [-ObjectsPerResponse <Int32>] [-ResumeString <String>]
[-Attributes <String[]>] [-DRARestServer <String>] [-DRARestPort <Int32>]
[-IgnoreCertificateErrors <SwitchParameter>] [-Force <SwitchParameter>] [-
Timeout <Int32>] [<CommonParameters>]
```

Description

The Get-DRAPublicFolder cmdlet executes a search for all public folders in the DRA Server. The server returns all public folders for domains that have Public Folder configured. You can specify criteria to search for public folders. The Or Filter uses a Hashtable of property values to match. For example, the following filter will find users whose Name begins with "Sm" or whose ParentPath is "PublicFolderRoot": -PublicFolderOrFilter @{Name="Sm*";ParentPath="PublicFolderRoot"} Wildcard options for filter values are: *Matches an unlimited number of charactersMultiple match strings can be specified for an attribute by separating them with the | character.

For example, the following will match public folders whose Name attribute begins with H or P: -PublicFolderOrFilter @{Name="H*|P*" } To search for the literal | character you need to escape it with a backslash.

For example, the following filter will find all public folders that have a | in their Path: -PublicFolderOrFilter @{ ParentPath="*\|*" }You can specify the ContainerDN parameter to control where DRA searches. Specify that the search should include public folders in child containers by specifying the Recurse parameter. See parameter explanations in the detailed Help for more information. You can also specify parameters that control the content in the response, such as the number of items to return and where to resume the search results if multiple requests are needed to retrieve all of the search results. For more examples, see the help.

Parameters

Attribute / Description	Parameters / Values				
	Required	**Position**	**Default Value**	**Accept Pipeline input?**	**Accept wildcard characters?**
PublicFolderAndFilter [<Hashtable>]	false	named		true (ByPropertyName)	false
Public Folder properties to use for searching public folders. The properties will be combined for the search. Public folders matching all listed properties will be returned.					
PublicFolderOrFilter [<Hashtable>]	false	named		true (ByPropertyName)	false
Public Folder properties to use for searching Public Folder objects. Public folders matching any of the listed properties will be returned.					

Attribute / Description	Parameters / Values				
	Required	**Position**	**Default Value**	**Accept Pipeline input?**	**Accept wildcard characters?**
VisiblePropertiesOnly [<SwitchParameter>] A flag to indicate whether DRA should return only properties the caller has powers to view. By default DRA will return an error if the caller requests a property that they do not have powers to view, by specifying this flag DRA is instructed to not return an error and instead just not return a value for such properties.	false	named		false	false
GetChildren [<SwitchParameter>] It specifies whether to retrieve only the immediate children of the specified public folder. You can't use the GetChildren parameter with the Recurse parameter.	false	named		false	false
Recurse [<SwitchParameter>] It specifies whether to retrieve all children of the specified public folder. You can't use the GetChildren parameter with the Recurse parameter.	true	named		false	false
Identifier <String> The name or distinguished name of an existing Active Directory object. When the name is specified, an additional call to the DRA Server is needed to obtain the distinguished name for the object.	true	named		true (ByPropertyName)	false
Domain <String> The domain of the object in fqdn format. For example: `mydomain.corp`	true	named		true (ByPropertyName)	false

Attribute / Description	Parameters / Values				
	Required	**Position**	**Default Value**	**Accept Pipeline input?**	**Accept wildcard characters?**
ContainerDN [<String>] The full path to the container to search in distinguished name format. For example: `-ContainerDN "OU=Accounting,DC=MyDomain,DC=corp"`	false	named		false	false
EnforceServerLimit [<SwitchParameter>] A switch parameter to indicate that the search results should be limited by the search result limit on the DRA Server. The typical server limit is 1000 items. The default is true.	false	named		false	false
IncludeChildContainers [<SwitchParameter>] A switch parameter to request that the search include child containers. The default is false: only the container named in the ContainerDN parameter is searched.	false	named		false	false
ObjectsPerResponse [<Nullable`1>] The number of objects to return in a response. The default is 250.	false	named		false	false

Attribute / Description	Parameters / Values				
	Required	**Position**	**Default Value**	**Accept Pipeline input?**	**Accept wildcard characters?**
ResumeString [<String>] When multiple responses are needed to return all of the search results to the client, this parameter indicates the last item returned from the server. The value of this parameter would be set using the ResumeString property from the previous set of results. The ResumeString may look like this: "CN=MYUser160,CN=Users,DC=MyDomain,DC=corp". The EnforceServerLimit, ObjectsPerResponse, and ResumeString parameters are applicable only when the Identifier parameter is not specified.	false	named		false	false
Attributes [<String[]>] An array of attributes to retrieve values for. If this parameter is missing, a default list of properties is returned.	false	named		true (ByPropertyName)	false
DRARestServer [<String>] The name of the computer running the DRA Rest Service. The requested DRA operation will execute on this server. If the parameter is not specified, the value defaults to 'localhost'.	false	named		true (ByPropertyName)	false
DRARestPort [<Int32>] The port where the DRA REST Service listens for requests. If the parameter is not specified, the value defaults to 8755.	false	named	8755	true (ByPropertyName)	false

Attribute / Description	Parameters / Values				
	Required	**Position**	**Default Value**	**Accept Pipeline input?**	**Accept wildcard characters?**
IgnoreCertificateErrors [<SwitchParameter>] Allows the request to bypass any SSL certificate errors, such as the InvalidOperation error that occurs when the REST Service is bound to a self-signed certificate.	false	named		false	false
Force [<SwitchParameter>] Suppresses any request for user input and supplies a 'yes' response. For example: -Force with a delete request will perform the delete without presenting the confirmation request to the user.	false	named		false	false
Timeout [<Int32>] The number of seconds to wait before the request to the DRA REST server times out. To specify an infinite timeout, you can set this parameter to -1. ***<CommonParameters>*** Verbose, Debug, ErrorAction, ErrorVariable, WarningAction, WarningVariable, OutBuffer, PipelineVariable, and OutVariable. For more information, see About CommonParameters (http://go.microsoft.com/fwlink/?LinkID=113216).	false	named	100 seconds	false	false

NOTE: For more information, type "`Get-Help Get-DRAPublicFolder -detailed`". For technical information, type "`Get-Help Get-DRAPublicFolder -full`".

Example 20-3 *1*

```
PS C:\>Get-DRAPublicFolder -ContainerDn
"PF=PF1,PF=PublicFolderRoot,DC=corp"
```

This example will enable mail of public folders named MyPublicFolder.

Example 20-4 *2*

```
PS C:\>Get-DRAPublicFolder -PublicFolderOrFilter @{Name="PF*"} -
ContainerDn "PF=PF1,PF=PublicFolderRoot,DC=corp" -IncludeChildContainers -
ObjectsPerResponse 50
```

In this example, DRA will search in the PF1 public folder and all child containers of that public folder for all public folders having a name attribute beginning with "PF". The server should return a maximum of 50 items in the response.

Example 20-5 *3*

```
PS C:\>Get-DRAPublicFolder -PublicFolderOrFilter @{ParentPath="PF-
1###";Name="publicFolder1*"} -ContainerDn "PF=PublicFolderRoot,DC=corp" -
Attributes "mailEnabled","hasSubFolders","domainName"
```

In this example, DRA will search for public folders having either a parent path beginning with "PF-1"' and ending with three numeric digits, OR a Name beginning with "publicFolder1". DRA will search only in the "PublicFolderRoot" public folder since the ContainerDN is specified and IncludeChildContainers is not. For each group matching the filter criteria, the server will return three attributes. The response will return a maximum of 250 items since the ObjectsPerResponse parameter is not specified.

Example 20-6 *4*

```
PS C:\>Get-DRAPublicFolder -Domain MyDomain.corp -Identifier
"PF=MyPublicFolder,PF=PublicFolderRoot,DC=MyDomain,DC=corp"
```

This example requests the properties of the public folder named MyPublicFolder under PublicFolderRoot in MyDomain.corp. The identifier contains the distinguished name for the public folder. When the Attributes parameter is not present, a default list of properties will be returned.

Example 20-7 *5*

```
PS C:\>Get-DRAPublicFolder -Domain MyDomain.corp -Identifier
"PublicFolderRoot\MyPublicFolder"-Attributes
"issueWarningQuota","retainDeletedItemsFor", "maxItemSize"
```

This example requests the properties of the public folder named MyPublicFolder under PublicFolderRoot in MyDomain.corp. The identifier contains the path for the public folder. When the path is used, the path will be converted to distinguished name.

Example 20-8 *6*

```
PS C:\>Get-DRAPublicFolder -Domain MyDomain.corp -Identifier
"PF=MyPublicFolder,PF=PublicFolderRoot,DC=MyDomain,DC=corp"-Attributes
"name","folderSize", "perUserReadStateEnabled"
```

This example requests the properties of the public folder named MyPublicFolder under PublicFolderRoot in MyDomain.corp. The Attributes parameter specifies what properties to return.

New-DRAPublicFolder

Synopsis

Creates a new public folder.

Syntax

```
New-DRAPublicFolder -Name <String> [-Path <String>] [-Mailbox <String>] -
Domain <String> [-DRARestServer <String>] [-DRARestPort <Int32>] [-
IgnoreCertificateErrors <SwitchParameter>] [-Force <SwitchParameter>] [-
Timeout <Int32>] [<CommonParameters>]
```

Description

The `New-DRAPublicFolder` cmdlet creates a new public folder. The requesting user must have the Create Public Folder power.

Parameters

Attribute / Description	Parameters / Values				
	Required	**Position**	**Default Value**	**Accept Pipeline input?**	**Accept wildcard characters?**
Name <String> The Name parameter specifies the name for the public folder.	true	named		true (ByPropertyName)	false
Path [<String>] The Path parameter specifies the location of the folder in the folder hierarchy. The following value types can be used: OnePointPath or DistinguishedName or TopLevelPublicFOlder\PublicFolder. For example, OnePoint://PF=PublicFolder,DC=MyDomain,DC=corp.	false	named		true (ByPropertyName)	false
Mailbox [<String>] The Mailbox parameter specifies the identity of the public folder mailbox hierarchy. The following values can be used: GUID, Distinguished Name, Domain\Account, User principal name, LegacyExchangeDN, SMTP address or Alias.	false	named		true (ByPropertyName)	false

Attribute / Description	Parameters / Values				
	Required	**Position**	**Default Value**	**Accept Pipeline input?**	**Accept wildcard characters?**
Domain <String> The domain of the object in fqdn format. For example: `mydomain.corp`	true	named		true (ByPropertyName)	false
DRARestServer [<String>] The name of the computer running the DRA Rest Service. The requested DRA operation will execute on this server. If the parameter is not specified, the value defaults to 'localhost'.	false	named		true (ByPropertyName)	false
DRARestPort [<Int32>] The port where the DRA REST Service listens for requests. If the parameter is not specified, the value defaults to 8755.	false	named	8755	true (ByPropertyName)	false
IgnoreCertificateErrors [<SwitchParameter>] Allows the request to bypass any SSL certificate errors, such as the InvalidOperation error that occurs when the REST Service is bound to a self-signed certificate.	false	named		false	false
Force [<SwitchParameter>] Suppresses any request for user input and supplies a 'yes' response. For example: -Force with a delete request will perform the delete without presenting the confirmation request to the user.	false	named		false	false
Timeout [<Int32>] The number of seconds to wait before the request to the DRA REST server times out. To specify an infinite timeout, you can set this parameter to -1.	false	named	100 seconds	false	false

Attribute / Description	Parameters / Values				
	Required	Position	Default Value	Accept Pipeline input?	Accept wildcard characters?
<CommonParameters> Verbose, Debug, ErrorAction, ErrorVariable, WarningAction, WarningVariable, OutBuffer, PipelineVariable, and OutVariable. For more information, see About CommonParameters (http://go.microsoft.com/fwlink/?LinkID=113216).					

NOTE: For more information, type "`Get-Help New-DRAPublicFolder -detailed`". For technical information, type "`Get-Help New-DRAPublicFolder -full`".

Example 20-9 *1*

```
PS C:\>New-DRAPublicFolder -Name "MyPublicFolder" -Path "OnePoint://
PF=RootPF,DC=MyDomain,DC=corp" -Domain MyDomain.corp
```

This example will create a new public folder named MyPublicFolder inside RootPF public folder.

Example 20-10 *2*

```
PS C:\>New-DRAPublicFolder -Name "MyPublicFolder" -Mailbox MyMailbox -
Domain MyDomain.corp
```

This example will create a new public folder named MyPublicFolder in the MyMailbox hierarchy public folder mailbox.

Remove-DRAPublicFolder

Synopsis

Removes a public folder permanently.

Syntax

```
Remove-DRAPublicFolder -Domain <String> -Identifier <String> [-
DRARestServer <String>] [-DRARestPort <Int32>] [-IgnoreCertificateErrors
<SwitchParameter>] [-Force <SwitchParameter>] [-Timeout
<Int32>][<CommonParameters>]
```

Description

The Remove-DRAPublicFolder cmdlet removes a public folder permanently. The requesting user must have the Delete Public Folder power.

Parameters

Attribute / Description	Parameters / Values				
	Required	**Position**	**Default Value**	**Accept Pipeline input?**	**Accept wildcard characters?**
Identifier <String> The name or distinguished name of an existing Active Directory object. When the name is specified, an additional call to the DRA Server is needed to obtain the distinguished name for the object.	true	named		true (ByPropertyName)	false
Domain <String> The domain of the object in fqdn format. For example: `mydomain.corp`	true	named		true (ByPropertyName)	false
ContainerDN [<String>] The full path to the container to search in distinguished name format. For example: `-ContainerDN "OU=Accounting,DC=MyDomain,DC=corp"`	false	named		false	false
EnforceServerLimit [<SwitchParameter>] A switch parameter to indicate that the search results should be limited by the search result limit on the DRA Server. The typical server limit is 1000 items. The default is true.	false	named		false	false

Attribute / Description	Parameters / Values				
	Required	**Position**	**Default Value**	**Accept Pipeline input?**	**Accept wildcard characters?**
IncludeChildContainers [<SwitchParameter>] A switch parameter to request that the search include child containers. The default is false: only the container named in the ContainerDN parameter is searched.	false	named		false	false
ObjectsPerResponse [<Nullable`1>] The number of objects to return in a response. The default is 250.	false	named		false	false
ResumeString [<String>] When multiple responses are needed to return all of the search results to the client, this parameter indicates the last item returned from the server. The value of this parameter would be set using the ResumeString property from the previous set of results. The ResumeString may look like this: "CN=MYUser160,CN=Users,DC=MyDomain,DC=corp". The EnforceServerLimit, ObjectsPerResponse, and ResumeString parameters are applicable only when the Identifier parameter is not specified.	false	named		false	false
Attributes [<String[]>] An array of attributes to retrieve values for. If this parameter is missing, a default list of properties is returned.	false	named		true (ByPropertyName)	false

Attribute / Description	Parameters / Values				
	Required	**Position**	**Default Value**	**Accept Pipeline input?**	**Accept wildcard characters?**
DRARestServer [<String>] The name of the computer running the DRA Rest Service. The requested DRA operation will execute on this server. If the parameter is not specified, the value defaults to 'localhost'.	false	named		true (ByPropertyName)	false
DRARestPort [<Int32>] The port where the DRA REST Service listens for requests. If the parameter is not specified, the value defaults to 8755.	false	named	8755	true (ByPropertyName)	false
IgnoreCertificateErrors [<SwitchParameter>] Allows the request to bypass any SSL certificate errors, such as the InvalidOperation error that occurs when the REST Service is bound to a self-signed certificate.	false	named		false	false
Force [<SwitchParameter>] Suppresses any request for user input and supplies a 'yes' response. For example: -Force with a delete request will perform the delete without presenting the confirmation request to the user.	false	named		false	false
Timeout [<Int32>] The number of seconds to wait before the request to the DRA REST server times out. To specify an infinite timeout, you can set this parameter to -1.	false	named	100 seconds	false	false

Attribute / Description	Parameters / Values				
	Required	Position	Default Value	Accept Pipeline input?	Accept wildcard characters?
<CommonParameters> Verbose, Debug, ErrorAction, ErrorVariable, WarningAction, WarningVariable, OutBuffer, PipelineVariable, and OutVariable. For more information, see About CommonParameters (http://go.microsoft.com/fwlink/?LinkID=113216).					

NOTE: For more information, type "`Get-Help Remove-DRAPublicFolder -detailed`". For technical information, type "`Get-Help Remove-DRAPublicFolder -full`".

Example 20-11 *1*

```
PS C:\>Remove-DRAPublicFolder -Identifier
"PF=MyPublicFolder,DC=MyDomain,DC=corp" -Domain MyDomain.corp
```

This example will remove a public folder named MyPublicFolder.

Set-DRAPublicFolder

Synopsis

Sets the general information and storage quota limits for a public folder.

Syntax

```
Set-DRAPublicFolder -Domain <String> -Properties <Hashtable> -Identifier
<String> [-DRARestServer <String>] [-DRARestPort <Int32>] [-
IgnoreCertificateErrors <SwitchParameter>] [-Force <SwitchParameter>] [-
Timeout <Int32>] [<CommonParameters>]
```

Description

The `Set-DRAPublicFolder` cmdlet sets some of the properties of the requested public folder managed by DRA. The requesting user must have the Modify Public Folder Properties power. You can specify the properties you want to set. See the examples for information on how to set specific properties.

Parameters

Attribute / Description	Parameters / Values				
	Required	**Position**	**Default Value**	**Accept Pipeline input?**	**Accept wildcard characters?**
Properties <Hashtable> A hashtable of property values. The key is the name of a defined attribute in the REST interface. For example: `-Properties @{Attribute1DRADisplayName="my value"; Attribute2DRADisplayName=value}` Multiple values are specified as a comma-separated list. For example: `-Properties @{Attribute1DRADisplayName=value1, value2}` If the property name contains non-alphanumeric characters it needs to be quoted. For example: `-Properties @{"Attribute1-DRA-DisplayName"=value}` If the property value contains a quote it needs to be escaped with a backtick (`).  For example: `-Properties @{Attribute1DRADisplayName="`"sample`" value"}`	true	named		true (ByPropertyName)	false
Identifier <String> The name or distinguished name of an existing Active Directory object. When the name is specified, an additional call to the DRA Server is needed to obtain the distinguished name for the object.	true	named		true (ByPropertyName)	false
Domain <String> The domain of the object in fqdn format. For example: `mydomain.corp`	true	named		true (ByPropertyName)	false

Attribute / Description	Parameters / Values				
	Required	**Position**	**Default Value**	**Accept Pipeline input?**	**Accept wildcard characters?**
DRARestServer [<String>] The name of the computer running the DRA Rest Service. The requested DRA operation will execute on this server. If the parameter is not specified, the value defaults to 'localhost'.	false	named		true (ByPropertyName)	false
DRARestPort [<Int32>] The port where the DRA REST Service listens for requests. If the parameter is not specified, the value defaults to 8755.	false	named	8755	true (ByPropertyName)	false
IgnoreCertificateErrors [<SwitchParameter>] Allows the request to bypass any SSL certificate errors, such as the InvalidOperation error that occurs when the REST Service is bound to a self-signed certificate.	false	named		false	false
Force [<SwitchParameter>] Suppresses any request for user input and supplies a 'yes' response. For example: -Force with a delete request will perform the delete without presenting the confirmation request to the user.	false	named		false	false
Timeout [<Int32>] The number of seconds to wait before the request to the DRA REST server times out. To specify an infinite timeout, you can set this parameter to -1.	false	named	100 seconds	false	false

Attribute / Description	Parameters / Values				
	Required	Position	Default Value	Accept Pipeline input?	Accept wildcard characters?
<CommonParameters> Verbose, Debug, ErrorAction, ErrorVariable, WarningAction, WarningVariable, OutBuffer, PipelineVariable, and OutVariable. For more information, see About CommonParameters (http://go.microsoft.com/fwlink/?LinkID=113216).					

NOTE: For more information, type "`Get-Help Set-DRAPublicFolder -detailed`". For technical information, type "`Get-Help Set-DRAPublicFolder -full`".

Example 20-12 *1*

```
PS C:\>Set-DRAPublicFolder -Domain MyDomain.corp -Identifier
"PublicFolderRoot\MyPublicFolder"-Properties @{Name="RenamedPublicFolder",
PerUserReadStateEnabled=true, PerUserReadStateEnabledR=true}
```

This example sets some of the properties of the public folder named MyPublicFolder under PublicFolderRoot in MyDomain.corp. The identifier contains the path for the public folder. When the path is used, the path will be converted to distinguished name.

Example 20-13 *2*

```
PS C:\>Set-DRAPublicFolder -Domain MyDomain.corp -Identifier
"PF=MyPublicFolder,PF=PublicFolderRoot,DC=MyDomain,DC=corp"-Properties
@{IssueWarningQuota="25MB", RetainDeletedItemsFor="23"}
```

This example sets some of the properties of the public folder named MyPublicFolder under PublicFolderRoot in MyDomain.corp. The identifier contains the distinguished name for the public folder.

21 Remote Mailbox Commands

This section contains cmdlets you can execute for remote user mailbox and remote shared mailbox.

NOTE: These cmdlets do not support remote resource mailboxes.

- "Disable-DRARemoteMailbox" on page 513
- "Enable-DRARemoteMailbox" on page 516
- "Get-DRARemoteMailbox" on page 520
- "New-DRARemoteMailbox" on page 524
- "Remove-DRARemoteMailbox" on page 532
- "Set-DRARemoteMailbox" on page 535

Disable-DRARemoteMailbox

Synopsis

Removes a mailbox specified by the `Identifier` parameter from the cloud-based service.

Syntax

```
Disable-DRARemoteMailbox -Domain <String> [-Archive <SwitchParameter>] -
Identifier <String> [-DRARestServer <String>] [-DRARestPort <Int32>] [-
IgnoreCertificateErrors <SwitchParameter>] [-Force <SwitchParameter>] [-
Timeout <Int32>] [<CommonParameters>]
```

Description

Use the Disable-DRARemoteMailbox cmdlet to:

- Remove a mailbox from the cloud-based service while retaining the associated on-premises user account. The requesting user must have the Delete Mailbox power.
- Remove the archive mailbox for an on-premises user account with an associated mailbox in the cloud-based service. The on-premises user account and the associated cloud-based mailbox are retained. The `Archive` parameter is mandatory and the requesting user must have the Delete Archive Mailbox power.
- Remove the archive mailbox for an on-premises object with an associated shared mailbox in the cloud-based service. The on-premises object and the associated cloud-based shared mailbox are retained. The `Archive` parameter is mandatory and the requesting user must have the Delete Archive Mailbox power.

Parameters

Attribute / Description	Parameters / Values				
	Required	**Position**	**Default Value**	**Accept Pipeline input?**	**Accept wildcard characters?**
Archive [<SwitchParameter>] The Archive switch specifies whether to disconnect the cloud-based archive mailbox from the associated cloud-based mailbox. The on-premises user account and its associated cloud-based mailbox are not removed if you use this switch.	false	named		true (ByPropertyName)	false
Identifier <String> The name or distinguished name of an existing Active Directory object.	true	named		true (ByPropertyName)	false
Domain <String> The domain of the object in FQDN format. For example: `mydomain.corp`	true	named		true (ByPropertyName)	false
DRARestServer [<String>] The name of the computer running the DRA Rest Service. The requested DRA operation will execute on this server. If the parameter is not specified, the value defaults to 'localhost'.	false	named		true (ByPropertyName	false
DRARESTPort [<Int32>] The port where the DRA REST Service listens for requests. If the parameter is not specified, the value defaults to 8755.	false	named	8755	true (ByPropertyName	false
IgnoreCertificateErrors [<SwitchParameter>] Allows the request to bypass any SSL certificate errors, such as the InvalidOperation error that occurs when the REST Service is bound to a self-signed certificate.	false	named		false	false

Attribute / Description	Parameters / Values				
	Required	**Position**	**Default Value**	**Accept Pipeline input?**	**Accept wildcard characters?**
Force [<SwitchParameter>] Suppresses any request for user input and supplies a 'yes' response. For example: -Force with a delete request will perform the delete without presenting the confirmation request to the user.	false	named		false	false
Timeout [<Int32>] The number of seconds to wait before the request to the DRA REST server times out. To specify an infinite timeout, you can set this parameter to -1.	false	named	100 seconds	true (ByPropertyName)	false
<CommonParameters> Verbose, Debug, ErrorAction, ErrorVariable, WarningAction, WarningVariable, OutBuffer, PipelineVariable, and OutVariable. For more information, see About CommonParameters (http://go.microsoft.com/fwlink/?LinkID=113216).					

NOTE: For more information, type "`Get-Help Disable-DRARemoteMailbox -detailed`". For technical information, type "`Get-Help Disable-DRARemoteMailbox -full`".

Example 21-1 *1*

```
PS C:\>Disable-DRARemoteMailbox -Domain "MyDomain.corp" -Identifier
"CN=MyUser,OU=MyOU,DC=MyDomain,DC=corp"
```

This example removes the cloud-based mailbox that is associated with the on-premises user account MyUser. The identifier contains the distinguished name for the user.

Example 21-2 *2*

```
PS C:\>Disable-DRARemoteMailbox -Domain "MyDomain.corp" -Identifier
"CN=MyObject,OU=MyOU,DC=MyDomain,DC=corp" -Archive
```

This example removes the cloud-based archive mailbox but keeps the cloud-based mailbox that is associated with the object MyObject. The identifier contains the distinguished name for the user or the shared mailbox. The removal of the archive mailbox is not immediate and depends on the directory synchronization schedule.

Enable-DRARemoteMailbox

Synopsis

Creates a mailbox for an existing on-premises user account specified by the `Identifier` parameter in the cloud-based service.

Syntax

```
Enable-DRARemoteMailbox -Domain <String> [-RemoteRoutingAddress <String>]
[-LicensingGroup <String>] [-Archive <SwitchParameter>] [-ArchiveName
<String>] -Identifier <String> [-DRAHostServer<String>] [-DRAHostPort
<Int32>] [-DRARestServer <String>] [-DRARestPort <Int32>] [-
IgnoreCertificateErrors <SwitchParameter>] [-Force <SwitchParameter>] [-
Timeout <Int32>] [<CommonParameters>]
```

Description

Use the Enable-DRARemoteMailbox cmdlet to:

- Create a mailbox in the cloud-based service for an on-premises user account. The parameters `LicensingGroup` and `RemoteRoutingAddress` are mandatory. The requesting user must have the Create Exchange Mailbox power.
- Create an archive mailbox for an on-premises user account with an associated mailbox in the cloud-based service. The `Archive` parameter is mandatory and the requesting user must have the Create Exchange Archive Mailbox Only power.
- Create an archive mailbox for an on-premises object with an associated shared mailbox in the cloud-based service. The `Archive` parameter is mandatory and the requesting user must have the Create Exchange Archive Mailbox Only power.

Parameters

Attribute / Description	Parameters / Values				
	Required	**Position**	**Default Value**	**Accept Pipeline input?**	**Accept wildcard characters?**
RemoteRoutingAddress [<String>] The SMTP address of the mailbox in the cloud-based service that the on-premises user is associated with. ◆ If this parameter is not specified, and the remote routing address policy is configured, DRA generates the value for the parameter based on the policy. ◆ If this parameter is specified and the remote routing address policy is also configured, DRA overrides the policy configuration and uses the specified value. ◆ If this parameter is not specified and the remote routing address policy is also not configured, DRA generates an error.	false	named		true (ByPropertyName)	false
LicensingGroup [<String>] The licensing group that is configured in DRA to enforce office 365 licenses. Valid input is a distinguished name or a canonical name.	false	named		true (ByPropertyName)	false
Archive [<SwitchParameter>] The Archive switch specifies whether to disconnect the cloud-based archive mailbox from the associated cloud-based mailbox. The on-premises user account and its associated cloud-based mailbox are not removed if you use this switch.	false	named		true (ByPropertyName)	false

Attribute / Description	Parameters / Values				
	Required	**Position**	**Default Value**	**Accept Pipeline input?**	**Accept wildcard characters?**
ArchiveName [<String>] The archive mailbox name in the cloud-based service.	true	named		true (ByPropertyName)	false
Identifier <String> The name or distinguished name of an existing Active Directory object.	true	named		true (ByPropertyName)	false
Domain <String> The domain of the object in FQDN format. For example: `mydomain.corp`	true	named		true (ByPropertyName)	false
DRARestServer [<String>] The name of the computer running the DRA Rest Service. The requested DRA operation will execute on this server. If the parameter is not specified, the value defaults to 'localhost'.	false	named		true (ByPropertyName	false
DRARESTPort [<Int32>] The port where the DRA REST Service listens for requests. If the parameter is not specified, the value defaults to 8755.	false	named	8755	true (ByPropertyName	false
IgnoreCertificateErrors [<SwitchParameter>] Allows the request to bypass any SSL certificate errors, such as the InvalidOperation error that occurs when the REST Service is bound to a self-signed certificate.	false	named		false	false
Force [<SwitchParameter>] Suppresses any request for user input and supplies a 'yes' response. For example: -Force with a delete request will perform the delete without presenting the confirmation request to the user.	false	named		false	false

Attribute / Description	Parameters / Values				
	Required	**Position**	**Default Value**	**Accept Pipeline input?**	**Accept wildcard characters?**
Timeout [<Int32>] The number of seconds to wait before the request to the DRA REST server times out. To specify an infinite timeout, you can set this parameter to -1. ***<CommonParameters>*** Verbose, Debug, ErrorAction, ErrorVariable, WarningAction, WarningVariable, OutBuffer, PipelineVariable, and OutVariable. For more information, see About CommonParameters (http://go.microsoft.com/fwlink/?LinkID=113216).	false	named	100 seconds	true (ByPropertyName)	false

NOTE: For more information, type "`Get-Help Enable-DRARemoteMailbox -detailed`". For technical information, type "`Get-Help Enable-DRARemoteMailbox -full`".

Example 21-3 *1*

```
PS C:\\>Enable-DRARemoteMailbox -Domain "MyDomain.corp" -Identifier
"CN=MyUser,OU=MyOU,DC=MyDomain,DC=corp" -LicensingGroup
"CN=MyLicensingGroup,DC=MyDomain,DC=corp"
```

This example creates the cloud-based mailbox for an existing on-premises user account MyUser. The identifier contains the distinguished name for the user. The parameters `LicensingGroup` and `RemoteRoutingAddress` are mandatory. The example assumes that the remote routing address policy is configured. If the `RemoteRoutingAddress` parameter is not specified, DRA generates the remote routing address based on the policy.

Example 21-4 *2*

```
PS C:\\>Enable-DRARemoteMailbox -Domain "MyDomain.corp" -Identifier
"CN=MyUser,OU=MyOU,DC=MyDomain,DC=corp" -Archive -ArchiveName MyUserArch
```

This example creates the cloud-based archive mailbox MyUserArch for the existing on-premises user account MyUser. The identifier contains the distinguished name for the user. The `Archive` parameter is mandatory. However, the `ArchiveName` parameter is optional. The creation of the archive mailbox in the cloud-based service is not immediate and depends on the directory synchronization schedule.

***Example 21-5** 3*

```
PS C:\\>Enable-DRARemoteMailbox -Domain "MyDomain.corp" -Identifier
"CN=SHMB,OU=MyOU,DC=MyDomain,DC=corp" -Archive -ArchiveName MySHMBArch
```

This example creates a cloud-based archive mailbox MySHMBArch for the existing remote shared mailbox SHMB. The identifier contains the distinguished name for the remote shared mailbox. The `Archive` parameter is mandatory. However, the `ArchiveName` parameter is optional. The creation of the archive mailbox in the cloud-based service is not immediate and depends on the directory synchronization schedule.

Get-DRARemoteMailbox

Synopsis

Retrieves a list of remote mailboxes or properties of a remote mailbox specified by the Identifier parameter.

Syntax

```
Get-DRARemoteMailbox -Domain <String> [-Identifier <String>] [-
UserAndFilter <Hashtable>] [-UserOrFilter <Hashtable>] [-
SharedMailboxOrFilter <Hashtable>] [-Attributes <String[]>] [-
PowersForOperations <String[]>] [-VisiblePropertiesOnly <SwitchParameter>]
[-DRARestServer <String>] [-DRARestPort <Int32>] [-IgnoreCertificateErrors
<SwitchParameter>] [-Force <SwitchParameter>] [-Timeout <Int32>]
[<CommonParameters>]
```

Description

Use the Get-DRARemoteMailbox cmdlet to:

- Retrieve a list of on-premises accounts with an associated mailbox in the cloud-based service.
- Retrieve properties of an on-premises user account with an associated mailbox in the cloud-based service. The requesting user must have the View All User Properties power.
- Retrieve properties of an on-premises object with an associated shared mailbox in the cloud-based service. The requesting user must have the View All Shared Mailbox Properties power.

Parameters

Attribute / Description	Parameters / Values				
	Required	**Position**	**Default Value**	**Accept Pipeline input?**	**Accept wildcard characters?**
Identifier <String> The name or distinguished name of an existing Active Directory object.	false	named		true (ByPropertyName)	false

Attribute / Description	Parameters / Values				
	Required	**Position**	**Default Value**	**Accept Pipeline input?**	**Accept wildcard characters?**
UserAndFilter [<Hashtable>] The user properties to use when searching for user objects. The properties will be combined for the search. Users matching all listed properties will be returned.	false	named		true (ByPropertyName)	false
UserOrFilter [<Hashtable>] The user properties to use when searching for user objects. Users matching any of the listed properties will be returned.	false	named		true (ByPropertyName)	false
SharedMailboxOrFilter [<Hashtable>] The mailbox properties to use when searching for remote mailbox objects. Remote mailboxes matching any of the listed properties will be returned.	false	named		true (ByPropertyName)	false
Attributes [<String[]>] An array of attributes to retrieve values for. If this parameter is missing, a default list of properties is returned.	false	named		true (ByPropertyName)	false
PowersForOperations [<String[]>] An array of DRA operation names for which you want the server to return read/write permission information. This parameter is typically used by a UI-based client to hide or disable elements the calling user doesn't have powers for. The `PowersForOperations` parameter is applicable only if you have specified the `Identifier` parameter.	false	named		true (ByPropertyName)	false

Attribute / Description	Parameters / Values				
	Required	**Position**	**Default Value**	**Accept Pipeline input?**	**Accept wildcard characters?**
VisiblePropertiesOnly [<SwitchParameter>] A flag to indicate whether DRA must return only properties the caller has powers to view. By default, DRA will return an error if the caller requests a property that they do not have powers to view. If you specify this flag, DRA does not return a value for such properties.	false	named		false	false
Domain <String> The domain of the object in FQDN format. For example: `mydomain.corp`	true	named		true (ByPropertyName)	false
DRARestServer [<String>] The name of the computer running the DRA Rest Service. The requested DRA operation will execute on this server. If the parameter is not specified, the value defaults to 'localhost'.	false	named		true (ByPropertyName)	false
DRARestPort [<Int32>] The port where the DRA REST Service listens for requests. If the parameter is not specified, the value defaults to 8755.	false	named	8755	true (ByPropertyName)	false
IgnoreCertificateErrors [<SwitchParameter>] Allows the request to bypass any SSL certificate errors, such as the InvalidOperation error that occurs when the REST Service is bound to a self-signed certificate.	false	named		false	false

Attribute / Description	Parameters / Values				
	Required	**Position**	**Default Value**	**Accept Pipeline input?**	**Accept wildcard characters?**
Force [<SwitchParameter>] Suppresses any request for user input and supplies a 'yes' response. For example: -Force with a delete request will perform the delete without presenting the confirmation request to the user.	false	named		false	false
Timeout [<Int32>] The number of seconds to wait before the request to the DRA REST server times out. To specify an infinite timeout, you can set this parameter to -1.	false	named	100 seconds	true (ByPropertyName)	false
<CommonParameters> Verbose, Debug, ErrorAction, ErrorVariable, WarningAction, WarningVariable, OutBuffer, PipelineVariable, and OutVariable. For more information, see About CommonParameters (http://go.microsoft.com/fwlink/?LinkID=113216).					

NOTE: For more information, type "`Get-DRARemoteMailbox -detailed`". For technical information, type "`Get-DRARemoteMailbox -full`".

Example 21-6 *1*

```
PS C:\\>Get-DRARemoteMailbox -Domain "MyDomain.corp"
```

This example retrieves a list of on-premises user accounts with a cloud-based mailbox from the domain MyDomain. The retrieval of the cloud-based mailbox properties is not immediate and depends on the directory synchronization schedule.

Example 21-7 *2*

```
PS C:\\>Get-DRARemoteMailbox -Domain "MyDomain.corp" -Identifier
"CN=MyUser,OU=MyOU,DC=MyDomain,DC=corp"
```

This example retrieves properties of the on-premises user account MyUser associated with a cloud-based mailbox. The identifier contains the distinguished name for the user. The retrieval of the cloud-based mailbox properties is not immediate and depends on the directory synchronization schedule.

Example 21-8 *3*

```
PS C:\\>Get-DRARemoteMailbox -Domain "MyDomain.corp" -Identifier
"CN=MyUser,OU=MyOU,DC=MyDomain,DC=corp"" -Attributes
"Description","DisplayName","MailTip","RemoteRoutingAddress"
```

This example retrieves properties of the on-premises user account MyUser associated with a cloud-based mailbox. The identifier contains the distinguished name for the user. The `Attributes` parameter specifies the mailbox properties to return. If the `Attributes` parameter is not specified, a default list of properties is returned. The retrieval of the cloud-based mailbox properties is not immediate and depends on the directory synchronization schedule.

Example 21-9 *4*

```
PS C:\>Get-DRARemoteMailbox  -Domain MyDomain.corp -Identifier "CN=Alfred
O365,OU=Tax,DC=MYDOM,DC=CORP" -Attributes
"office365DeliverAndForward","office365ForwardingAddress","office365FullAc
cess","office365SendAs"
```

This example retrieves the mailbox properties of the on-premises user account Alfred O365 associated with a cloud-based mailbox. The identifier contains the distinguished name for the user. The `Attributes` parameter specifies the mailbox properties to return. If the `Attributes` parameter is not specified, a default list of properties is returned. The retrieval of the cloud-based mailbox properties is not immediate and depends on the directory synchronization schedule.

For a list of cloud-based mailbox properties that can be managed for a remote mailbox, see Exchange Online Properties.

New-DRARemoteMailbox

Synopsis

Creates an on-premises object with an associated mailbox in the cloud-based service.

Syntax

```
New-DRARemoteMailbox [-Properties <Hashtable>] -Domain <String> -Name
<String> [-Password <SecureString>] [-UserPrincipalName <String>] [-Alias
<String>] [-Archive <SwitchParameter>] [-DisplayName <String>] [-FirstName
<String>] [-Initials <String>] [-LastName <String>] [-SamAccountName
<String>] [-AccountDisabled <SwitchParameter>] -
OnPremisesOrganizationalUnit <String> [-RemoteRoutingAddress <String>] [-
ResetPasswordOnNextLogon <Boolean>] [-LicensingGroup <String>] [-
ACLableSyncedObjectEnabled <SwitchParameter>] [-PrimarySmtpAddress
<String>] [-Shared <SwitchParameter>] [-DRARestServer <String>] [-
DRARestPort <Int32>] [-IgnoreCertificateErrors <SwitchParameter>] [-Force
<SwitchParameter>] [-Timeout <Int32>] [<CommonParameters>]
```

Description

Use the New-RemoteMailbox cmdlet to:

- Create a user in the on-premises Active Directory with an associated mailbox in the cloud-based service. The requesting user must have the Create User power. The parameters `LicensingGroup` and `RemoteRoutingAddress` are mandatory. You can also specify whether to create an archive mailbox in the cloud-based service by using the `Archive` parameter. The requesting user must have the Create Exchange Archive Mailbox Only power.
- Create an on-premises object with an associated shared mailbox in the cloud-based service. The requesting user must have the Create Shared Mailbox power. The `Shared` parameter is mandatory. You can also specify whether to create an archive mailbox in the cloud-based service by using the `Archive` parameter. The requesting user must have the Create Exchange Archive Mailbox Only power.

Parameters

Attribute / Description	Parameters / Values				
	Required	**Position**	**Default Value**	**Accept Pipeline input?**	**Accept wildcard characters?**
Properties [<Hashtable>] A hashtable of property values. The key is the name of a defined attribute in the REST interface. For example: `-Properties @{Attribute1DRADisplayName="my value"; Attribute2DRADisplayName=value}` Multiple values are specified as a comma-separated list. For example: `-Properties @{Attribute1DRADisplayName=value1, value2}` If the property name contains non-alphanumeric characters it needs to be quoted. For example: `-Properties @{"Attribute1-DRA-DisplayName"=value}` If the property value contains a quote it needs to be escaped with a backtick (`).  For example: `-Properties @{Attribute1DRADisplayName="``"sample``" value"}`	false	named		true (ByPropertyName)	false
Domain <String> The domain of the object in FQDN format. For example: `mydomain.corp`	true	named		true (ByPropertyName)	false
Name <String> The unique name of the on-premises user and the associated mailbox in the cloud-based service.	true	named		true (ByPropertyName)	false

Attribute / Description	Parameters / Values				
	Required	**Position**	**Default Value**	**Accept Pipeline input?**	**Accept wildcard characters?**
Password [<SecureString>] The password that is used by the on-premises user to secure the account and the associated mailbox in the cloud-based service.	false	named		true (ByPropertyName)	false
UserPrincipalName [<String>] The login name for the on-premises user account. The UPN uses an email address format: username@domain.com Typically, the domain value is the domain where the on-premises user account resides.	false	named		true (ByPropertyName)	false
Alias [<String>] The Exchange alias (also known as the mail nickname) for the on-premises user account.	false	named		true (ByPropertyName)	false
Archive [<SwitchParameter>] The Archive switch specifies whether to create an archive mailbox in the cloud-based service.	false	named		true (ByPropertyName)	false
DisplayName [<String>] The display name of the user and the associated mailbox in the cloud-based service.	false	named		true (ByPropertyName)	false
FirstName [<String>] The user's first name.	false	named		true (ByPropertyName)	false
Initials [<String>] The user's middle initials.	false	named		true (ByPropertyName)	false
LastName [<String>] The user's last name.	false	named		true (ByPropertyName)	false

Attribute / Description	Parameters / Values				
	Required	**Position**	**Default Value**	**Accept Pipeline input?**	**Accept wildcard characters?**
SamAccountName [<String>] The login name (pre-Windows 2000) that is compatible with older versions of Microsoft Windows client and server operating systems.	false	named		true (ByPropertyName)	false
AccountDisabled [<SwitchParameter>] The AccountDisabled switch specifies whether to create the user in a disabled state.	false	named		true (ByPropertyName)	false
OnPremisesOrganizationalUnit <String> The organizational unit (OU) in the on-premises organization in which the new mailbox is added. Valid input is a distinguished name or a canonical name.	true	named		true (ByPropertyName)	false
RemoteRoutingAddress [<String>] The SMTP address of the mailbox in the cloud-based service that the on-premises user is associated with. ◆ If this parameter is not specified, and the remote routing address policy is configured, DRA generates the value for the parameter based on the policy. ◆ If this parameter is specified and the remote routing address policy is also configured, DRA overrides the policy configuration and uses the specified value. ◆ If this parameter is not specified and the remote routing address policy is also not configured, DRA generates an error.	false	named		true (ByPropertyName)	false

Attribute / Description	Parameters / Values				
	Required	**Position**	**Default Value**	**Accept Pipeline input?**	**Accept wildcard characters?**
ResetPasswordOnNextLogon [<Boolean>] The ResetPasswordOnNextLogon parameter specifies whether the user must change their password the next time they log on.	false	named		true (ByPropertyName)	false
LicensingGroup <String> The licensing group that is configured in DRA to enforce office 365 licenses. Valid input is a distinguished name or a canonical name.	true	named		true (ByPropertyName)	false
ACLableSyncedObjectEnabled [<Nullable`1>] The ACLableSyncedObjectEnabled switch specifies whether the remote mailbox is an ACLableSyncedMailboxUser.	false	named		true (ByPropertyName)	false
PrimarySmtpAddress [<String>] The primary return email address that is used for the recipient.	false	named		true (ByPropertyName)	false
Shared [<String>] The Shared switch specifies whether the mailbox in the cloud-based service must be created as a shared mailbox. **NOTE:** The `Shared` parameter is mandatory to create a remote shared mailbox.	false	named		true (ByPropertyName)	false
DRARestServer [<String>] The name of the computer running the DRA Rest Service. The requested DRA operation will execute on this server. If the parameter is not specified, the value defaults to 'localhost'.	false	named		true (ByPropertyName	false

Attribute / Description	Parameters / Values				
	Required	**Position**	**Default Value**	**Accept Pipeline input?**	**Accept wildcard characters?**
DRARestPort [<Int32>] The port where the DRA REST Service listens for requests. If the parameter is not specified, the value defaults to 8755.	false	named	8755	true (ByPropertyName	false
IgnoreCertificateErrors [<SwitchParameter>] Allows the request to bypass any SSL certificate errors, such as the InvalidOperation error that occurs when the REST Service is bound to a self-signed certificate.	false	named		false	false
Force [<SwitchParameter>] Suppresses any request for user input and supplies a 'yes' response. For example: -Force with a delete request will perform the delete without presenting the confirmation request to the user.	false	named		false	false
Timeout [<Int32>] The number of seconds to wait before the request to the DRA REST server times out. To specify an infinite timeout, you can set this parameter to -1. ***<CommonParameters>*** Verbose, Debug, ErrorAction, ErrorVariable, WarningAction, WarningVariable, OutBuffer, PipelineVariable, and OutVariable. For more information, see About CommonParameters (http://go.microsoft.com/fwlink/?LinkID=113216).	false	named	100 seconds	true (ByPropertyName)	false

NOTE: For more information, type "`Get-Help New-DRARemoteMailbox -detailed`". For technical information, type "`Get-Help New-DRARemoteMailbox -full`".

Example 21-10 *1*

```
PS C:\\>New-DRARemoteMailbox -Domain MyDomain.corp -Name MyUser -
UserPrincipalName MyUser@MyDomain.corp -OnPremisesOrganizationalUnit
"MyDomain.corp/MyOU" -LicensingGroup
"CN=MyLicensingGroup,DC=MyDomain,DC=corp"
```

This example creates an on-premises user named MyUser in the domain MyDomain.corp in the OU MyOU and a mailbox in the cloud-based service for the user. The parameters `LicensingGroup` and `RemoteRoutingAddress` are mandatory. The example assumes that the remote routing address policy is configured. If the `RemoteRoutingAddress` parameter is not specified, DRA generates the remote routing address based on the policy.

Example 21-11 *2*

```
PS C:\\>New-DRARemoteMailbox -Domain MyDomain.corp -Name MyUser -
UserPrincipalName MyUser@MyDomain.corp -OnPremisesOrganizationalUnit
"MyDomain.corp/MyOU" -LicensingGroup
"CN=MyLicensingGroup,DC=MyDomain,DC=corp" -RemoteRoutingAddress
"MyUser@MyUser.com"
```

This example creates an on-premises user named MyUser in the domain MyDomain.corp in the OU MyOU and a mailbox in the cloud-based service for the user. The parameters `LicensingGroup` and `RemoteRoutingAddress` are mandatory. The example assumes that the remote routing address policy is configured. Because the `RemoteRoutingAddress` parameter is specified, DRA ignores the configured remote routing address policy and uses the value specified for the `RemoteRoutingAddress` parameter.

Example 21-12 *3*

```
PS C:\\>New-DRARemoteMailbox -Domain MyDomain.corp -Name MyUser -
UserPrincipalName MyUser@MyDomain.corp -OnPremisesOrganizationalUnit
"MyDomain.corp/MyOU" -LicensingGroup
"CN=MyLicensingGroup,DC=MyDomain,DC=corp" -Archive
```

This example creates an on-premises user named MyUser in the domain MyDomain.corp in the OU MyOU and an associated mailbox in the cloud-based service. It also creates the archive mailbox for the cloud-based mailbox. The parameters `LicensingGroup`, `RemoteRoutingAddress`, and `Archive` are mandatory. The example assumes that the remote routing address policy is configured. If the `RemoteRoutingAddress` parameter is not specified, DRA generates the remote routing address based on the policy. The creation of the archive mailbox in the cloud-based service is not immediate and depends on the directory synchronization schedule.

Example 21-13 *4*

```
PS C:\\>New-DRARemoteMailbox -Domain MyDomain.corp -Name MySharedUser -
Alias MySharedUserAlias -OnPremisesOrganizationalUnit "MyDomain.corp/MyOU"
-Shared
```

This example creates an on-premises object named MySharedUser in the OU MyOU in the domain MyDomain.corp and an associated shared mailbox in the cloud-based service. The parameters `Shared` and `RemoteRoutingAddress` are mandatory. The example assumes that the remote

routing address policy is configured. If the RemoteRoutingAddress parameter is not specified, DRA generates the remote routing address based on the policy. The creation of the cloud-based shared mailbox is not immediate and depends on the directory synchronization schedule.

Example 21-14 *5*

```
PS C:\\>New-DRARemoteMailbox -Domain MyDomain.corp -Name MySharedUser -
Alias MySharedUserAlias -OnPremisesOrganizationalUnit "MyDomain.corp/MyOU"
-Shared -Archive
```

This example creates an on-premises object named MySharedUser in the domain MyDomain.corp in the OU MyOU and an associated shared mailbox in the cloud-based service. It also creates an archive mailbox in the cloud-based service for the mailbox. The parameters Shared, RemoteRoutingAddress, and Archive are mandatory. The example assumes that the remote routing address policy is configured. If the RemoteRoutingAddress parameter is not specified, DRA generates the remote routing address based on the policy. The creation of the cloud-based mailbox and archive mailbox is not immediate and depends on the directory synchronization schedule.

Remove-DRARemoteMailbox

Synopsis

Removes an on-premises object specified by the Identifier parameter as well as the associated mailbox from the cloud-based service.

Syntax

```
Remove-DRARemoteMailbox -Domain <String> -Identifier <String> [-
DRARestServer <String>] [-DRARestPort <Int32>] -IgnoreCertificateErrors
<SwitchParameter>] [-Force <SwitchParameter>] [-Timeout <Int32>]
[<CommonParameters>]
```

Description

Use the Remove-DRARemoteMailbox cmdlet to:

- Remove an on-premises user account and the associated mailbox from the cloud-based service. The requesting user must have the Delete User power.
- Remove an on-premises object and the associated shared mailbox from the cloud-based service. The requesting user must have the Delete Shared Mailbox power.

If the Recycle Bin is enabled for the domain, the specified account is moved to the Recycle Bin. Otherwise, it is removed permanently. To restore the account, use the Restore-DRAUser cmdlet.

Parameters

Attribute / Description	Parameters / Values				
	Required	**Position**	**Default Value**	**Accept Pipeline input?**	**Accept wildcard characters?**
Identifier <String> The distinguished name of an existing Active Directory object.	true	named		true (ByPropertyName)	false
Domain <String> The domain of the object in FQDN format. For example: `mydomain.corp`	true	named		true (ByPropertyName)	false
DRARestServer [<String>] The name of the computer running the DRA Rest Service. The requested DRA operation will execute on this server. If the parameter is not specified, the value defaults to 'localhost'.	false	named		true (ByPropertyName	false
DRARESTPort [<Int32>] The port where the DRA REST Service listens for requests. If the parameter is not specified, the value defaults to 8755.	false	named	8755	true (ByPropertyName	false
IgnoreCertificateErrors [<SwitchParameter>] Allows the request to bypass any SSL certificate errors, such as the InvalidOperation error that occurs when the REST Service is bound to a self-signed certificate.	false	named		false	false
Force [<SwitchParameter>] Suppresses any request for user input and supplies a 'yes' response. For example: -Force with a delete request will perform the delete without presenting the confirmation request to the user.	false	named		false	false

Attribute / Description	Parameters / Values				
	Required	**Position**	**Default Value**	**Accept Pipeline input?**	**Accept wildcard characters?**
Timeout [<Int32>] The number of seconds to wait before the request to the DRA REST server times out. To specify an infinite timeout, you can set this parameter to -1. ***<CommonParameters>*** Verbose, Debug, ErrorAction, ErrorVariable, WarningAction, WarningVariable, OutBuffer, PipelineVariable, and OutVariable. For more information, see About CommonParameters (http://go.microsoft.com/fwlink/?LinkID=113216).	false	named	100 seconds	true (ByPropertyName)	false

NOTE: For more information, type "`Get-Help Remove-DRARemoteMailbox -detailed`". For technical information, type "`Get-Help Remove-DRARemoteMailbox -full`".

Example 21-15 *1*

```
PS C:\>Remove-DRARemoteMailbox -Domain MyDomain.corp -Identifier
"CN=MyUser,OU=MyOU,DC=MyDomain,DC=corp"
```

This example removes the user account named MyUser from MyDomain.corp and the associated mailbox from the cloud-based service. The identifier contains the distinguished name for the user. If the Recycle Bin is enabled for the domain, the user account is moved to the Recycle Bin and the licenses associated with the user account are also removed. If the Recycle Bin is not enabled, the user account is removed permanently. The removal of the mailbox from the service is not immediate and depends on the directory synchronization schedule.

Example 21-16 *2*

```
PS C:\>Remove-DRARemoteMailbox -Domain MyDomain.corp -Identifier
"CN=SMB,OU=MyOU,DC=MyDomain,DC=lab"
```

This example removes the on-premises object named SMB and the associated shared mailbox from the cloud-based service. The identifier contains the distinguished name for the remote shared mailbox. If the Recycle Bin is enabled for the domain, the remote shared mailbox is moved to the Recycle Bin. Otherwise, it is removed permanently.

Set-DRARemoteMailbox

Synopsis

Updates properties of a remote mailbox specified by the Identifier parameter.

Syntax

```
Set-DRARemoteMailbox -Domain <String> [-AcceptMessagesOnlyFrom <String[]>]
[-AcceptMessagesOnlyFromDLMembers <String[]>] [-Alias <String>] [-
ArchiveName <String>] [-DisplayName <String>] [-CustomAttribute1 <String>]
[-CustomAttribute2 <String>] [-CustomAttribute3 <String>] [-
CustomAttribute4 <String>] [-CustomAttribute5 <String> [-CustomAttribute6
<String>] [-CustomAttribute7 <String>] [-CustomAttribute8 <String>] [-
CustomAttribute9 <String>] [-CustomAttribute10 <String>] [-
CustomAttribute11 <String>] [-CustomAttribute12 <String>] [-
CustomAttribute13 <String>] [-CustomAttribute14 <String>] [-
CustomAttribute15 <String>] [-EmailAddresses <String>] [-
ExtensionCustomAttribute1 <String[]>] [-ExtensionCustomAttribute2
<String[]>] [-ExtensionCustomAttribute3 <String[]>] [-
ExtensionCustomAttribute4 <String[]>] [-ExtensionCustomAttribute5
<String[]>] [-GrantSendOnBehalfTo <String[]>] [-
HiddenFromAddressListsEnabled <Boolean>] [-MailTip <String>] [-Name
<String>] [-RejectMessagesFrom <String[]>] [-RejectMessagesFromDLMembers
<String[]>] [-RemoteRoutingAddress <String>] [-
RequireSenderAuthenticationEnabled <Boolean>] [-ResetPasswordOnNextLogon
<Boolean>] [-SamAccountName <String>] [-UserPrincipalName <String>] [-
Properties <Hashtable>] [-Replace <Hashtable>] [-Add <Hashtable>] [-Remove
<Hashtable>] [-Clear <String[]>] -Identifier <String> [-DRARestServer
<String>] [-DRARestPort <Int32>] [-IgnoreCertificateErrors
<SwitchParameter>] [-Force <SwitchParameter>] [-Timeout <Int32>]
[<CommonParameters>]
```

Description

Use the Set-RemoteMailbox cmdlet to:

- Update properties of an on-premises user account with an associated mailbox in the cloud-based service. The requesting user must have the Modify User Properties power for each property sent in the request.
- Update properties of an on-premises object with an associated shared mailbox in the cloud-based service. The requesting user must have Modify Shared Mailbox Properties power for each property sent in the request.

Updating the properties of the cloud-based mailbox is not immediate and depends on the directory synchronization schedule. However, because the following properties are updated in both Exchange Online and on-premises Exchange, updating them is independent of the directory synchronization schedule: `MailNickname`, `MailTip`, `QuotaProhibitSendReceive`, `QuotaProhibitSendOnly`, `QuotaIssueWarning`, `QuotaUseMBStoreDefaults`, `AcceptMessagesFrom`, `RequireAuthenticationToSendTo`, `MaximumRecipients`, `IncomingEmailSize`, `OutgoingEmailSize`, and `RejectMessagesFrom`

Parameters

Attribute / Description	Parameters / Values				
	Required	**Position**	**Default Value**	**Accept Pipeline input?**	**Accept wildcard characters?**
AcceptMessagesOnlyFrom [<String>] List of users and groups that are allowed to send messages to the remote mailbox.	false	named		true (ByPropertyName)	false
AcceptMessagesOnlyFromDLMembers [<String>] Distribution lists whose users are allowed to send messages to the remote mailbox.	false	named		true (ByPropertyName)	false
Alias [<String>] The Exchange alias (also known as the mail nickname) for the on-premises user account.	false	named		true (ByPropertyName)	false
ArchiveName [<String>] The archive mailbox name in the cloud-based service.	false	named		true (ByPropertyName)	false
DisplayName [<String>] The display name of the user and the associated mailbox in the cloud-based service.	false	named		true (ByPropertyName)	false
CustomAttribute1 [<String>] CustomAttribute1 property with custom information about the remote mailbox.	false	named		true (ByPropertyName)	false
CustomAttribute2 [<String>] CustomAttribute2 property with custom information about the remote mailbox.	false	named		true (ByPropertyName)	false
CustomAttribute3 [<String>] CustomAttribute3 property with custom information about the remote mailbox.	false	named		true (ByPropertyName)	false

Attribute / Description	Parameters / Values				
	Required	**Position**	**Default Value**	**Accept Pipeline input?**	**Accept wildcard characters?**
CustomAttribute4 [<String>] CustomAttribute4 property with custom information about the remote mailbox.	false	named		true (ByPropertyName)	false
CustomAttribute5 [<String>] CustomAttribute5 property with custom information about the remote mailbox.	false	named		true (ByPropertyName)	false
CustomAttribute6[<String>] CustomAttribute6 property with custom information about the remote mailbox.	false	named		true (ByPropertyName)	false
CustomAttribute7 [<String>] CustomAttribute7 property with custom information about the remote mailbox.	false	named		true (ByPropertyName)	false
CustomAttribute8 [<String>] CustomAttribute8 property with custom information about the remote mailbox.	false	named		true (ByPropertyName)	false
CustomAttribute9 [<String>] CustomAttribute9 property with custom information about the remote mailbox.	false	named		true (ByPropertyName)	false
CustomAttribute10 [<String>] CustomAttribute10 property with custom information about the remote mailbox.	false	named		true (ByPropertyName)	false
CustomAttribute11 [<String>] CustomAttribute11 property with custom information about the remote mailbox.	false	named		true (ByPropertyName)	false
CustomAttribute12 [<String>] CustomAttribute12 property with custom information about the remote mailbox.	false	named		true (ByPropertyName)	false

Attribute / Description	Parameters / Values				
	Required	**Position**	**Default Value**	**Accept Pipeline input?**	**Accept wildcard characters?**
CustomAttribute13 [<String>] CustomAttribute13 property with custom information about the remote mailbox.	false	named		true (ByPropertyName)	false
CustomAttribute14 [<String>] CustomAttribute14 property with custom information about the remote mailbox.	false	named		true (ByPropertyName)	false
CustomAttribute15 [<String>] CustomAttribute15 property with custom information about the remote mailbox.	false	named		true (ByPropertyName)	false
EmailAddresses [<String>] Proxy email addresses for the remote mailbox.	false	named		true (ByPropertyName)	false
ExtensionCustomAttribute1 [<String>] ExtensionCustomAttribute1 property with custom information about the remote mailbox.	false	named		true (ByPropertyName)	false
ExtensionCustomAttribute2 [<String>] ExtensionCustomAttribute2 property with custom information about the remote mailbox.	false	named		true (ByPropertyName)	false
ExtensionCustomAttribute3 [<String>] ExtensionCustomAttribute3 property with custom information about the remote mailbox.	false	named		true (ByPropertyName)	false

Attribute / Description	Parameters / Values				
	Required	**Position**	**Default Value**	**Accept Pipeline input?**	**Accept wildcard characters?**
ExtensionCustomAttribute4 [<String>] ExtensionCustomAttribute4 property with custom information about the remote mailbox.	false	named		true (ByPropertyName)	false
ExtensionCustomAttribute5 [<String>] ExtensionCustomAttribute5 property with custom information about the remote mailbox.	false	named		true (ByPropertyName)	false
GrantSendOnBehalfTo [<String>] List of users who are allowed to send messages on behalf of the user associated with the remote mailbox.	false	named		true (ByPropertyName)	false
HiddenFromAddressListsEnabled [<Nullable`1>] Indicates whether the remote mailbox is visible from other address lists.	false	named		true (ByPropertyName)	false
MailTip [<String>] Custom MailTip text for the remote mailbox.	false	named		true (ByPropertyName)	false
Name [<String>] The unique name of the on-premises user and the associated mailbox in the cloud-based service.	false	named		true (ByPropertyName)	false
RejectMessagesFrom [<String>] List of users from whom messages will be rejected.	false	named		true (ByPropertyName)	false

Attribute / Description	Parameters / Values				
	Required	**Position**	**Default Value**	**Accept Pipeline input?**	**Accept wildcard characters?**
RejectMessagesFromDLMembers [<String>] Indicates whether to accept messages only from authenticated senders.	false	named		true (ByPropertyName)	false
RemoteRoutingAddress [<String>] The SMTP address of the mailbox in the cloud-based service that the on-premises user is associated with. ◆ If this parameter is not specified, and the remote routing address policy is configured, DRA generates the value for the parameter based on the policy. ◆ If this parameter is specified and the remote routing address policy is also configured, DRA overrides the policy configuration and uses the specified value. ◆ If this parameter is not specified and the remote routing address policy is also not configured, DRA generates an error.	false	named		true (ByPropertyName)	false
RequireSenderAuthenticationEnabled [<Nullable`1>] Indicates whether to accept messages only from authenticated senders.	false	named		true (ByPropertyName)	false
ResetPasswordOnNextLogon [<Nullable`1>] Indicates whether the user must change their password the next time they log on.	false	named		true (ByPropertyName)	false

Attribute / Description	Parameters / Values				
	Required	**Position**	**Default Value**	**Accept Pipeline input?**	**Accept wildcard characters?**
SamAccountName [<String>] The logon name (pre-Windows 2000) compatible with older versions of Microsoft Windows client and server operating systems	false	named		true (ByPropertyName)	false
UserPrincipalName [<String>] Indicates whether the user must change their password the next time they log on.	false	named		true (ByPropertyName)	false
Properties <Hashtable> A hashtable of property values. The key is the name of a defined attribute in the REST interface. For example: `-Properties @{Attribute1DRADisplayName="my value"; Attribute2DRADisplayName=value}` Multiple values are specified as a comma-separated list. For example: `-Properties @{Attribute1DRADisplayName=value1, value2}` If the property name contains non-alphanumeric characters it needs to be quoted. For example: `-Properties @{"Attribute1-DRA-DisplayName"=value}` If the property value contains a quote it needs to be escaped with a backtick (`).  For example: `-Properties @{Attribute1DRADisplayName="`"sample`" value"}`	false	named		true (ByPropertyName)	false

Attribute / Description	Parameters / Values				
	Required	**Position**	**Default Value**	**Accept Pipeline input?**	**Accept wildcard characters?**
Replace [<Hashtable>] A Hashtable of property values to replace the current set of values for the specified property. The key is the name of a defined property in the REST interface. For example: `-Replace @{Attribute1DRADisplayName="my value"; Attribute2DRADisplayName=value}` Multiple values are specified as a comma-separated list and will replace currently set values. For example: `-Replace @{Attribute1DRADisplayName=value1, value2}` If the property name contains non-alphanumeric characters it needs to be quoted. For example: `-Replace @{"Attribute1-DRA-DisplayName"=value}` If the property value contains a quote it needs to be escaped with a backtick (`).  For example: `-Replace @{Attribute1DRADisplayName="`"sample`" value"}`	false	named		true (ByPropertyName)	false

Attribute / Description	Parameters / Values				
	Required	**Position**	**Default Value**	**Accept Pipeline input?**	**Accept wildcard characters?**
Add [<Hashtable>] A Hashtable of property values to add to the current set of values for the specified multi-valued property. The key is the name of a defined property in the REST interface. For example: `-Add @{Attribute1DRADisplayName=value; Attribute2DRADisplayName=value1, value2; ...; AttributeNDRADisplayName=value1, value2}` Multiple values are specified as a comma-separated list. For example: `-Add @{Attribute1DRADisplayName=value1, value2}}` If the property name contains non-alphanumeric characters it needs to be quoted. For example: `-Add @{"Attribute1-DRA-DisplayName"=value}` If the property value contains a quote it needs to be escaped with a backtick (`).  For example: `-Add @{Attribute1DRADisplayName="`"sample`" value"}`	false	named		true (ByPropertyName)	false

Attribute / Description	Parameters / Values				
	Required	**Position**	**Default Value**	**Accept Pipeline input?**	**Accept wildcard characters?**
Remove [<Hashtable>] A Hashtable of property values to remove from the current set of values for the specified multi-valued property. The key is the name of a defined property in the REST interface. For example: `-Remove @{Attribute1DRADisplayName=value; Attribute2DRADisplayName=value1, value2; ...; AttributeNDRADisplayName=value1, value2}` Multiple values are specified as a comma-separated list and will be removed from currently set values. For example: `-Remove @{Attribute1DRADisplayName=value1,value2}` If the property name contains non-alphanumeric characters it needs to be quoted. For example: `-Remove @{"Attribute1-DRA-DisplayName"=value}` If the property value contains a quote it needs to be escaped with a backtick (`).  For example: `-Remove @{Attribute1DRADisplayName="`"sample`" value"}`	false	named		true (ByPropertyName)	false

Attribute / Description	Parameters / Values				
	Required	**Position**	**Default Value**	**Accept Pipeline input?**	**Accept wildcard characters?**
Clear [<String>] An array of property names whose values will be cleared. Each name is the name of a defined property in the REST interface. For example: `-Clear "Attribute1-DRA-DisplayName"` Multiple values need to be separated by a comma. For example: `-Clear Attribute1DRADisplayName, Attribute2DRADisplayName`	false	named		true (ByPropertyName)	false
Identifier <String> The name or distinguished name of an existing Active Directory object.	true	named		true (ByPropertyName)	false
Domain <String> The domain of the object in FQDN format. For example: `mydomain.corp`	true	named		true (ByPropertyName)	false
DRARestServer [<String>] The name of the computer running the DRA Rest Service. The requested DRA operation will execute on this server. If the parameter is not specified, the value defaults to 'localhost'.	false	named		true (ByPropertyName	false
DRARESTPort [<Int32>] The port where the DRA REST Service listens for requests. If the parameter is not specified, the value defaults to 8755.	false	named	8755	true (ByPropertyName	false

Attribute / Description	Parameters / Values				
	Required	**Position**	**Default Value**	**Accept Pipeline input?**	**Accept wildcard characters?**
IgnoreCertificateErrors [<SwitchParameter>] Allows the request to bypass any SSL certificate errors, such as the InvalidOperation error that occurs when the REST Service is bound to a self-signed certificate.	false	named		false	false
Force [<SwitchParameter>] Suppresses any request for user input and supplies a 'yes' response. For example: -Force with a delete request will perform the delete without presenting the confirmation request to the user.	false	named		false	false
Timeout [<Int32>] The number of seconds to wait before the request to the DRA REST server times out. To specify an infinite timeout, you can set this parameter to -1. ***<CommonParameters>*** Verbose, Debug, ErrorAction, ErrorVariable, WarningAction, WarningVariable, OutBuffer, PipelineVariable, and OutVariable. For more information, see About CommonParameters (http://go.microsoft.com/fwlink/?LinkID=113216).	false	named	100 seconds	true (ByPropertyName)	false

NOTE: For more information, type "`Get-Help Set-DRARemoteMailbox -detailed`". For technical information, type "`Get-Help Set-DRARemoteMailbox -full`".

Example 21-17 *1*

```
PS C:\>Set-DRARemoteMailbox  -Domain MyDomain.corp -Identifier
"CN=USER123,OU=Accounting,DC=MyDomain,DC=corp" -
Properties@{TargetAddress="hello@drainternal.in";HideFromAddressLists=$tru
e;MailTip="testMailTip";samAccountName="hexarempte2"}
```

This example updates the specified properties of the on-premises user account USER123 in the domain MyDomain.corp. The identifier contains the distinguished name for the user. The following properties are updated: TargetAddress, HideFromAddressLists, MailTip, and samAccountName. Updating the properties of the cloud-based mailbox is not immediate and depends on the directory synchronization schedule.

Example 21-18 *2*

```
PS C:\>Set-DRARemoteMailbox  -Domain MyDomain.corp -Identifier
"CN=USER123,OU=Accounting,DC=MyDomain,DC=corp" -
Properties@{ExtensionAttribute1="testcustom";RejectMessagesFrom="CN=101SP1
RM2,DC=MyDomain,DC=corp";AcceptMessagesFromGroups="CN=101SP1Group1,DC=MyDo
main,DC=corp"}
```

This example updates the specified properties of the on-premises user account USER123 in the domain MyDomain.corp. The identifier contains the distinguished name for the user. The following properties are updated: ExtensionAttribute1, RejectMessagesFrom, and AcceptMessagesFromGroups. Updating the properties of the cloud-based mailbox is not immediate and depends on the directory synchronization schedule.

Example 21-19 *3*

```
PS C:\>Set-DRARemoteMailbox  -Domain MyDomain.corp -Identifier
"CN=USER123,OU=Accounting,DC=MyDomain,DC=corp" -RemoteRoutingAddress
"hello@drainternal.in" -RejectMessagesFrom
"CN=101SP1RM2,DC=MyDomain,DC=corp" -HiddenFromAddressListsEnabled $true
```

This example updates the specified properties of the on-premises user account USER123 in the domain MyDomain.corp. The identifier contains the distinguished name for the user. The following properties are updated: RemoteRoutingAddress, RejectMessagesFrom, and HiddenFromAddressListsEnabled. Updating the properties of the cloud-based mailbox is not immediate and depends on the directory synchronization schedule.

Example 21-20 *4*

```
PS C:\>Set-DRARemoteMailbox -Domain MyDomain.corp -Identifier
"CN=SMB123,OU=Accounting,DC=MyDomain,DC=corp" -RemoteRoutingAddress
"hello@drainternal.in"
```

This example updates the RemoteRoutingAddress property of the remote shared mailbox named SMB123 in the domain MyDomain. The identifier contains the distinguished name for the remote shared mailbox. Updating the properties of the cloud-based shared mailbox is not immediate and depends on the directory synchronization schedule.

For a list of cloud-based mailbox properties that can be managed for a remote mailbox, see Exchange Online Properties.

22 Resource Mailbox Commands

This section contains cmdlets you can execute for the Resource Mailbox.

- "Add-DRAResourceMailbox" on page 549
- "Copy-DRAResourceMailbox" on page 553
- "Get-DRAResourceMailbox" on page 557
- "Move-DRAResourceMailbox" on page 562
- "Remove-DRAResourceMailbox" on page 564
- "Restore-DRAResourceMailbox" on page 567
- "Set-DRAResourceMailbox" on page 569

- "Add-DRAResourceMailbox" on page 549
- "Copy-DRAResourceMailbox" on page 553
- "Get-DRAResourceMailbox" on page 557
- "Move-DRAResourceMailbox" on page 562
- "Remove-DRAResourceMailbox" on page 564
- "Restore-DRAResourceMailbox" on page 567
- "Set-DRAResourceMailbox" on page 569

- "Add-DRAResourceMailbox" on page 549
- "Copy-DRAResourceMailbox" on page 553
- "Get-DRAResourceMailbox" on page 557
- "Move-DRAResourceMailbox" on page 562
- "Remove-DRAResourceMailbox" on page 564
- "Restore-DRAResourceMailbox" on page 567
- "Set-DRAResourceMailbox" on page 569

Add-DRAResourceMailbox

Synopsis

Adds a user having a resource mailbox to an Active Directory domain.

Syntax

```
Add-DRAResourceMailbox -MailboxType <String> -Properties <Hashtable> -
Domain <String> [-DRARestServer <String>] [-DRARestPort <Int32>] [-
IgnoreCertificateErrors <SwitchParameter>] [-Force <SwitchParameter>] [-
Timeout <Int32>] [<CommonParameters>]
```

Description

The Add-DRAResourceMailbox cmdlet adds a resource mailbox to a domain managed by DRA. The requesting user must have the Create Resource Mailbox power. Use the Properties parameter to specify the values to use when creating the resource mailbox. To see the complete list of available properties, perform a Get-Member command on the object returned from any DRAResourceMailbox command.

Creating a resource mailbox requires a full path for the object and the LDAP path to the target MailboxStore. You can get the LDAP path to the mailbox store by using the Get-DRAExchangeServers and Get-DRAExchangeStores cmdlets.

Parameters

Attribute / Description	Parameters / Values				
	Required	**Position**	**Default Value**	**Accept Pipeline input?**	**Accept wildcard characters?**
MailboxType [<String>] The type of resource mailbox you want to create. Valid values are 'room' or 'equipment'.	true	named		true (ByPropertyName)	false

Attribute / Description	Parameters / Values				
	Required	**Position**	**Default Value**	**Accept Pipeline input?**	**Accept wildcard characters?**
Properties <Hashtable> A hashtable of property values. The key is the name of a defined attribute in the REST interface. For example: `-Properties @{Attribute1DRADisplayName="my value"; Attribute2DRADisplayName=value}` Multiple values are specified as a comma-separated list. For example: `-Properties @{Attribute1DRADisplayName=value1, value2}` If the property name contains non-alphanumeric characters it needs to be quoted. For example: `-Properties @{"Attribute1-DRA-DisplayName"=value}` If the property value contains a quote it needs to be escaped with a backtick (`).  For example: `-Properties @{Attribute1DRADisplayName="`"sample`" value"}`	true	named		true (ByPropertyName)	false
Identifier <String> The name or distinguished name of an existing Active Directory object. When the name is specified, an additional call to the DRA Server is needed to obtain the distinguished name for the object.	true	named		true (ByPropertyName)	false
Domain <String> The domain of the object in FQDN format. For example: `mydomain.corp`	true	named		true (ByPropertyName)	false

Attribute / Description	Parameters / Values				
	Required	**Position**	**Default Value**	**Accept Pipeline input?**	**Accept wildcard characters?**
DRARestServer [<String>] The name of the computer running the DRA Rest Service. The requested DRA operation will execute on this server. If the parameter is not specified, the value defaults to 'localhost'.	false	named		true (ByPropertyName	false
DRARestPort [<Int32>] The port where the DRA REST Service listens for requests. If the parameter is not specified, the value defaults to 8755.	false	named	8755	true (ByPropertyName	false
IgnoreCertificateErrors [<SwitchParameter>] Allows the request to bypass any SSL certificate errors, such as the InvalidOperation error that occurs when the REST Service is bound to a self-signed certificate.	false	named		false	false
Force [<SwitchParameter>] Suppresses any request for user input and supplies a 'yes' response. For example: -Force with a delete request will perform the delete without presenting the confirmation request to the user.	false	named		false	false
Timeout [<Int32>] The number of seconds to wait before the request to the DRA REST server times out. To specify an infinite timeout, you can set this parameter to -1.	false	named	100 seconds	true (ByPropertyName)	false

Attribute / Description	Parameters / Values				
	Required	Position	Default Value	Accept Pipeline input?	Accept wildcard characters?
<CommonParameters> Verbose, Debug, ErrorAction, ErrorVariable, WarningAction, WarningVariable, OutBuffer, PipelineVariable, and OutVariable. For more information, see About CommonParameters (http://go.microsoft.com/fwlink/?LinkID=113216).					

NOTE: For more information, type "`Get-Help Add-DRAResourceMailbox -detailed`". For technical information, type "`Get-Help Add-DRAResourceMailbox -full`".

Example 22-1 *1*

```
PS C:\>Add-DRAResourceMailbox  -Domain MyDomain.corp -MailboxType room -
Properties @{FriendlyName="MyDomain.corp/Accounting/
RMB_123";MailboxStore="LDAP://MDOMAIN.CORP/CN=etc.";
Description="ResourceMailbox for powershell";AllowConflicts=$true}
```

This example creates a room resource mailbox named RMB_123 in Active Directory using the DRA FriendlyName property. The resource mailbox will be created in the domain MyDomain.corp in the Accounting OU. There are two properties set on this resource mailbox: Description and AllowConflicts. The samAccountName defaults to the name. The principal name defaults to RMB_123@MyDomain.corp. The alias will be set by the server, according to configured policy.

Example 22-2 *2*

```
PS C:\>Add-DRAResourceMailbox  -Domain MyDomain.corp  -MailboxType
equipment  -Properties  @{DistinguishedName="CN=
RMB_123,OU=Accounting,DC=MyDomain,DC=corp";MailboxStore="LDAP://
MDOMAIN.CORP/CN=etc.";Description="some description"}
```

This example creates an equipment resource mailbox named RMB_123 in Active Directory using the DistinguishedName property. The resource mailbox will be created in the domain MyDomain.corp in the Accounting OU. There is one property set: Description. The samAccountName defaults to the name. The resource mailbox principal name defaults to RMB_123@MyDomain.corp. The alias will be set by the server, according to configured policy.

Copy-DRAResourceMailbox

Synopsis

Copies an existing resource mailbox to a new resource mailbox.

Syntax

```
Copy-DRAResourceMailbox -Domain <String> -Properties <Hashtable> -
Identifier <String> [-DRARestServer <String>] [-DRARestPort <Int32>] [-
IgnoreCertificateErrors <SwitchParameter>] [-Force <SwitchParameter>] [-
Timeout <Int32>] [<CommonParameters>]
```

Description

The Copy-DRAResourceMailbox cmdlet copies an existing resource mailbox to a new resource mailbox. The values provided in the -Properties parameter will overwrite the values provided by the existing resource mailbox. You must supply the name property to give the new resource mailbox a different name. If you do not supply any other properties, the new resource mailbox will be located in the same container and use the same mailbox store as the source resource mailbox. The response contains the string generated by the server.

Parameters

Attribute / Description	Parameters / Values				
	Required	**Position**	**Default Value**	**Accept Pipeline input?**	**Accept wildcard characters?**
Properties <Hashtable> A hashtable of property values. The key is the name of a defined attribute in the REST interface. For example: `-Properties @{Attribute1DRADisplayName="my value"; Attribute2DRADisplayName=value}` Multiple values are specified as a comma-separated list. For example: `-Properties @{Attribute1DRADisplayName=value1, value2}` If the property name contains non-alphanumeric characters it needs to be quoted. For example: `-Properties @{"Attribute1-DRA-DisplayName"=value}` If the property value contains a quote it needs to be escaped with a backtick (`).  For example: `-Properties @{Attribute1DRADisplayName="`"sample`" value"}`	true	named		true (ByPropertyName)	false
Identifier <String> The name or distinguished name of an existing Active Directory object. When the name is specified, an additional call to the DRA Server is needed to obtain the distinguished name for the object.	true	named		true (ByPropertyName)	false
Domain <String> The domain of the object in FQDN format. For example: `mydomain.corp`	true	named		true (ByPropertyName)	false

Attribute / Description	Parameters / Values				
	Required	**Position**	**Default Value**	**Accept Pipeline input?**	**Accept wildcard characters?**
DRARestServer [<String>] The name of the computer running the DRA REST Service. The requested DRA operation will be sent to the REST Service running on the specified computer. If this parameter is not specified, then the cmdlet will attempt to discover a DRA REST Service to use.	false	named		true (ByPropertyName)	false
DRARESTPort [<Int32>] The port number of the DRA REST Service. This parameter is only used when the DRARestServer parameter is also specified. If the DRARestServer parameter is specified but the DRARestPort is not, 8755 will be used as the default REST port.	false	named	8755	true (ByPropertyName)	false
IgnoreCertificateErrors [<SwitchParameter>] Allows the request to bypass any SSL certificate errors, such as the InvalidOperation error that occurs when the REST Service is bound to a self-signed certificate.	false	named		false	false
Force [<SwitchParameter>] Suppresses any request for user input and supplies a 'yes' response. For example: -Force with a delete request will perform the delete without presenting the confirmation request to the user.	false	named		false	false
Timeout [<Int32>] The number of seconds to wait before the request to the DRA REST server times out. To specify an infinite timeout, you can set this parameter to -1.	false	named	100 seconds	true (ByPropertyName)	false

Attribute / Description	Parameters / Values				
	Required	Position	Default Value	Accept Pipeline input?	Accept wildcard characters?
<CommonParameters> Verbose, Debug, ErrorAction, ErrorVariable, WarningAction, WarningVariable, OutBuffer, PipelineVariable, and OutVariable. For more information, see About CommonParameters (http://go.microsoft.com/fwlink/?LinkID=113216).					

NOTE: For more information, type "`Get-Help Copy-DRAResourceMailbox -detailed`". For technical information, type "`Get-Help Copy-DRAResourceMailbox -full`".

Example 22-3 *1*

```
PS C:\>Copy-DRAResourceMailbox -Identifier
"CN=RMBsource,OU=Accounting,DC=MyDomain,DC=corp" -Properties
@{Name="NewRMB"} -domain MyDomain.corp
```

This example will copy the resource mailbox named RMBsource to a new resource mailbox named NewRMB. Except for the name, the properties of NewRMB will be the same as the properties of RMBsource.

Example 22-4 *2*

```
PS C:\>Copy-DRAResourceMailbox -Identifier
"CN=RMBsource,OU=Accounting,DC=MyDomain,DC=corp" -domain MyDomain.corp -
Properties
@{distinguishedName="CN=NewRMB,OU=Tax,DC=MyDomain,DC=corp";homeMdb="MyServ
er/CN=Etc..."}
```

This example will copy the resource mailbox named RMBsource from the Accounting OU in MyDomain.corp to a new resource mailbox named NewRMB in the Tax OU in MyDomain.corp. The mailbox store of the new resource mailbox will be set to the specified homeMdb path.

Get-DRAResourceMailbox

Synopsis

Gets information about the Active Directory resource mailbox account specified by the Identifier parameter.

Syntax

```
Get-DRAResourceMailbox -Domain <String> [-IncludeAllVAProperties
<SwitchParameter>] [-Attributes <String[]>] [-PowersForOperations
<String[]>] [-VisiblePropertiesOnly <SwitchParameter>] -Identifier
<String> [-DRARestServer <String>] [-DRARestPort <Int32>] [-
IgnoreCertificateErrors <SwitchParameter>] [-Force <SwitchParameter>] [-
Timeout <Int32>] [<CommonParameters>]
```

Description

The Get-DRAResourceMailbox cmdlet returns the properties of the requested resource mailbox account managed by DRA. The requesting user must have the View All Resource Mailbox Properties power. You can view the default list of properties or specify specific properties. The default properties of a resource mailbox include: `HomeMDB`, `MailboxType`, `ProxyAddresses`, and `DistinguishedName`.

See the examples for information on how to view specific properties.

Parameters

Attribute / Description	Parameters / Values				
	Required	**Position**	**Default Value**	**Accept Pipeline input?**	**Accept wildcard characters?**
IncludeAllVAProperties [<SwitchParameter>] A flag to indicate whether DRA should return the virtual attributes. If you specify this flag, DRA returns the virtual attributes that the user has powers to view. If you specify the `Attributes` parameter along with this flag, DRA returns the virtual attributes along with the properties specified in the `Attributes` parameter.	false	named		false	false
Attributes [<String[]>] An array of attributes to retrieve values for. If this parameter is missing, a default list of properties is returned.	false	named		true (ByPropertyName)	false

Attribute / Description	Parameters / Values				
	Required	**Position**	**Default Value**	**Accept Pipeline input?**	**Accept wildcard characters?**
PowersForOperations [<String[]>] An array of DRA operation names for which you want the server to return read/write permission information.This parameter is typically used by a UI-based client to hide or disable elements the calling user doesn't have powers for. The `PowersForOperations` parameter is applicable only if you have specified the `Identifier` parameter.	false	named		true (ByPropertyName)	false
VisiblePropertiesOnly [<SwitchParameter>] A flag to indicate whether DRA should return only properties the caller has powers to view. By default, DRA will return an error if the caller requests a property that they do not have powers to view. By specifying this flag, DRA is instructed to not return an error and instead just not return a value for such properties.	false	named		false	false
Identifier <String> The name or distinguished name of an existing Active Directory object. When the name is specified, an additional call to the DRA Server is needed to obtain the distinguished name for the object.	true	named		true (ByPropertyName)	false
Domain <String> The domain of the object in FQDN format. For example: `mydomain.corp`	true	named		true (ByPropertyName)	false

Attribute / Description	Parameters / Values				
	Required	**Position**	**Default Value**	**Accept Pipeline input?**	**Accept wildcard characters?**
DRARestServer [<String>] The name of the computer running the DRA Rest Service. The requested DRA operation will execute on this server. If the parameter is not specified, the value defaults to 'localhost'.	false	named		true (ByPropertyName)	false
DRARestPort [<Int32>] The port where the DRA REST Service listens for requests. If the parameter is not specified, the value defaults to 8755.	false	named	8755	true (ByPropertyName)	false
IgnoreCertificateErrors [<SwitchParameter>] Allows the request to bypass any SSL certificate errors, such as the InvalidOperation error that occurs when the REST Service is bound to a self-signed certificate.	false	named		false	false
Force [<SwitchParameter>] Suppresses any request for user input and supplies a 'yes' response. For example: -Force with a delete request will perform the delete without presenting the confirmation request to the user.	false	named		false	false
Timeout [<Int32>] The number of seconds to wait before the request to the DRA REST server times out. To specify an infinite timeout, you can set this parameter to -1.	false	named	100 seconds	true (ByPropertyName)	false

Attribute / Description	Parameters / Values				
	Required	Position	Default Value	Accept Pipeline input?	Accept wildcard characters?
<CommonParameters> Verbose, Debug, ErrorAction, ErrorVariable, WarningAction, WarningVariable, OutBuffer, PipelineVariable, and OutVariable. For more information, see About CommonParameters (http://go.microsoft.com/fwlink/?LinkID=113216).					

NOTE: For more information, type "`Get-DRAResourceMailbox -detailed`". For technical information, type "`Get-DRAResourceMailbox -full`".

Example 22-5 *1*

```
PS C:\>Get-DRAResourceMailbox -Domain MyDomain.corp -Identifier "RMB_123" -
Attributes "Description","DisplayName",
"Mail","MailNickname","DistinguishedName","FriendlyPath","FriendlyParentPa
th","FriendlyName","IsDisabled",
"SamAccountName","TrustedForDelegation","ObjectCategory"
```

This example requests the properties of the resource mailbox named RMB_123 in MyDomain.corp. The Attributes parameter specifies what properties to return. When the Attributes parameter is not present, a default list of properties will be returned.

Example 22-6 *2*

```
Get-DRAResourceMailbox  -Domain MyDomain.corp -Identifier "RMB_123"
```

This example requests the properties of the resource mailbox named RMB_123 in MyDomain.corp. The identifier shows the name for the resource mailbox. When the name is used, DRA resolves the name to the distinguished name and then requests the properties for that resource mailbox.

Example 22-7 *3*

```
PS C:\>Get-DRAResourceMailbox  -Domain MyDomain.corp -Identifier
"CN=RMB_123,OU=Accounting,DC=MyDomain,DC=corp"
```

This example requests the properties of the resource mailbox named RMB_123 in MyDomain.corp. The identifier shows the distinguished name for the resource mailbox. The returned object will have a default list of properties.

***Example 22-8** 3*

```
Get-DRAResourceMailbox -Domain MyDomain.corp -Identifier "RMB_123" -
Attributes "Description","DisplayName" -IncludeAllVAProperties
```

This example requests the properties of the resource mailbox named RMB_123 in the "MyDomain.corp" domain. The `Attributes` parameter specifies the properties to return. The `IncludeAllVAProperties` parameter returns all virtual attributes that the assistant administrator has powers to view.

Move-DRAResourceMailbox

Synopsis

Moves a resource mailbox from one location in Active Directory to another.

Syntax

```
Move-DRAResourceMailbox -Domain <String> -TargetContainer <String> -
Identifier <String> [-DRARestServer <String>] [-DRARestPort <Int32>] [-
IgnoreCertificateErrors <SwitchParameter>] [-Force <SwitchParameter>] [-
Timeout <Int32>] [<CommonParameters>]
```

Description

The Move-DRAResourceMailbox cmdlet moves the resource mailbox named in Identifier to the OU named in TargetContainer. The requesting user must have the Move Exchange Mailbox power on the TargetContainer. Supported formats for both parameters are name, friendly name, and distinguished name.

Parameters

Attribute / Description	Parameters / Values				
	Required	**Position**	**Default Value**	**Accept Pipeline input?**	**Accept wildcard characters?**
TargetContainer <String> The full path to the destination container for the object you are moving, in distinguished name format. For example: -`TargetContainer "OU=Accounting,DC=MyDomain,DC=corp`”.	true	named		true (ByPropertyName)	false

Attribute / Description	Parameters / Values				
	Required	**Position**	**Default Value**	**Accept Pipeline input?**	**Accept wildcard characters?**
I***dentifier <String>*** The name or distinguished name of an existing Active Directory object. When the name is specified, an additional call to the DRA Server is needed to obtain the distinguished name for the object.	true	named		true (ByPropertyName)	false
Domain <String> The domain of the object in FQDN format. For example: `mydomain.corp`	true	named		true (ByPropertyName)	false
DRARestServer [<String>] The name of the computer running the DRA Rest Service. The requested DRA operation will execute on this server. If the parameter is not specified, the value defaults to 'localhost'.	false	named		true (ByPropertyName)	false
DRARestPort [<Int32>] The port where the DRA REST Service listens for requests. If the parameter is not specified, the value defaults to 8755.	false	named	8755	true (ByPropertyName)	false
IgnoreCertificateErrors [<SwitchParameter>] Allows the request to bypass any SSL certificate errors, such as the InvalidOperation error that occurs when the REST Service is bound to a self-signed certificate.	false	named		false	false
Force [<SwitchParameter>] Suppresses any request for user input and supplies a 'yes' response. For example: -Force with a delete request will perform the delete without presenting the confirmation request to the user.	false	named		false	false

Attribute / Description	Parameters / Values				
	Required	**Position**	**Default Value**	**Accept Pipeline input?**	**Accept wildcard characters?**
Timeout [<Int32>] The number of seconds to wait before the request to the DRA REST server times out. To specify an infinite timeout, you can set this parameter to -1. ***<CommonParameters>*** Verbose, Debug, ErrorAction, ErrorVariable, WarningAction, WarningVariable, OutBuffer, PipelineVariable, and OutVariable. For more information, see About CommonParameters (http://go.microsoft.com/fwlink/?LinkID=113216).	false	named	100 seconds	true (ByPropertyName)	false

NOTE: For more information, type "`Get-Help Move-DRAResourceMailbox -detailed`". For technical information, type "`Get-Help Move-DRAResourceMailbox -full`".

Example 22-9 *1*

```
PS C:\>Move-DRAResourceMailbox -Domain MyDomain.corp -Identifier
"CN=Charlie,OU=Accounting,DC=MyDomain,DC=corp"
-TargetContainer "MyDomain.corp/AccountingHomeOffice/NewParent"
```

This example moves the resource mailbox named Charlie from the Accounting container to the NewParent container. Identifier uses the distinguished name format. TargetContainer uses the friendly name format.

Remove-DRAResourceMailbox

Synopsis

Removes the resource mailbox account specified by the Identifier parameter.

Syntax

```
Remove-DRAResourceMailbox -Domain <String> -Identifier <String> [-
DRARestServer <String>] [-DRARestPort <Int32>] [-IgnoreCertificateErrors
<SwitchParameter>] [-Force <SwitchParameter>] [-Timeout <Int32>]
[<CommonParameters>]
```

Description

The Remove-DRAResourceMailbox cmdlet deletes the specified account. The requesting user must have the Delete Resource Mailbox power. If the Recycle Bin is enabled, the specified account is moved to the Recycle Bin.

Parameters

Attribute / Description	Parameters / Values				
	Required	**Position**	**Default Value**	**Accept Pipeline input?**	**Accept wildcard characters?**
Identifier <String> The name or distinguished name of an existing Active Directory object. When the name is specified, an additional call to the DRA Server is needed to obtain the distinguished name for the object.	true	named		true (ByPropertyName)	false
Domain <String> The domain of the object in FQDN format. For example: `mydomain.corp`	true	named		true (ByPropertyName)	false
DRARestServer [<String>] The name of the computer running the DRA Rest Service. The requested DRA operation will execute on this server. If the parameter is not specified, the value defaults to 'localhost'.	false	named		true (ByPropertyName	false
DRARESTPort [<Int32>] The port where the DRA REST Service listens for requests. If the parameter is not specified, the value defaults to 8755.	false	named	8755	true (ByPropertyName	false
IgnoreCertificateErrors [<SwitchParameter>] Allows the request to bypass any SSL certificate errors, such as the InvalidOperation error that occurs when the REST Service is bound to a self-signed certificate.	false	named		false	false

Attribute / Description	Parameters / Values				
	Required	**Position**	**Default Value**	**Accept Pipeline input?**	**Accept wildcard characters?**
Force [<SwitchParameter>] Suppresses any request for user input and supplies a 'yes' response. For example: -Force with a delete request will perform the delete without presenting the confirmation request to the user.	false	named		false	false
Timeout [<Int32>] The number of seconds to wait before the request to the DRA REST server times out. To specify an infinite timeout, you can set this parameter to -1.	false	named	100 seconds	true (ByPropertyName)	false
<CommonParameters> Verbose, Debug, ErrorAction, ErrorVariable, WarningAction, WarningVariable, OutBuffer, PipelineVariable, and OutVariable. For more information, see About CommonParameters (http://go.microsoft.com/fwlink/?LinkID=113216).					

NOTE: For more information, type "`Get-Help Remove-DRAResourceMailbox -detailed`". For technical information, type "`Get-Help Remove-DRAResourceMailbox -full`".

Example 22-10 *1*

```
PS C:\>Remove-DRAResourceMailbox  -Domain MyDom.corp -Identifier
"CN=RMB_123,OU=Accounting,DC=MyDomain,DC=corp"
```

This example deletes the resource mailbox named RMB_123 from MyDomain.corp. The identifier contains the distinguished name for the resource mailbox. If the Recycle Bin is enabled, the resource mailbox is moved to the Recycle Bin. Otherwise, it is removed permanently.

Example 22-11 *3*

```
PS C:\>Remove-DRAResourceMailbox -Domain MyDom.corp -Identifier
"CN=RMB_X,OU=NetIQRecycleBin,DC=MyDomain,DC=corp"
```

This example deletes the resource mailbox named RMB_X from the DRA Recycle Bin, removing it permanently from Active Directory.

Restore-DRAResourceMailbox

Synopsis

Restores the specified resource mailbox from the Recycle Bin.

Syntax

```
Restore-DRAResourceMailbox -Domain <String> [-DomainController <String>]
[-RestoreToContainer <String>] -Identifier <String> [-DRARestServer
<String>] [-DRARestPort <Int32>] [-IgnoreCertificateErrors
<SwitchParameter>] [-Force <SwitchParameter>] [-Timeout <Int32>]
[<CommonParameters>]
```

Description

The Restore-DRAResourceMailbox cmdlet will restore a previously deleted resource mailbox from the Recycle Bin to its original container or to a new specified container. Supported formats for the identifier are name, friendly name, and distinguished name. If the full path is specified, it must point to the Recycle Bin (NetIQRecycleBin).

Parameters

Attribute / Description	Parameters / Values				
	Required	**Position**	**Default Value**	**Accept Pipeline input?**	**Accept wildcard characters?**
DomainController [<String>] The computer name of a specific domain controller to use for the request.	false	named		true (ByPropertyName)	false
RestoreToContainer [<String>] The distinguished name of the container to which you want to restore the object. If this parameter is not specified, DRA will attempt to restore the object to its original container.	false	named		true (ByPropertyName)	false
Identifier <String> The name or distinguished name of an existing Active Directory object. When the name is specified, an additional call to the DRA Server is needed to obtain the distinguished name for the object.	true	named		true (ByPropertyName)	false

Attribute / Description	Parameters / Values				
	Required	**Position**	**Default Value**	**Accept Pipeline input?**	**Accept wildcard characters?**
Domain <String> The domain of the object in FQDN format. For example: `mydomain.corp`	true	named		true (ByPropertyName)	false
DRARestServer [<String>] The name of the computer running the DRA Rest Service. The requested DRA operation will execute on this server. If the parameter is not specified, the value defaults to 'localhost'.	false	named		true (ByPropertyName)	false
DRARestPort [<Int32>] The port where the DRA REST Service listens for requests. If the parameter is not specified, the value defaults to 8755.	false	named	8755	true (ByPropertyName)	false
IgnoreCertificateErrors [<SwitchParameter>] Allows the request to bypass any SSL certificate errors, such as the InvalidOperation error that occurs when the REST Service is bound to a self-signed certificate.	false	named		false	false
Force [<SwitchParameter>] Suppresses any request for user input and supplies a 'yes' response. For example: -Force with a delete request will perform the delete without presenting the confirmation request to the user.	false	named		false	false
Timeout [<Int32>] The number of seconds to wait before the request to the DRA REST server times out. To specify an infinite timeout, you can set this parameter to -1.	false	named	100 seconds	true (ByPropertyName)	false

Attribute / Description	Parameters / Values				
	Required	Position	Default Value	Accept Pipeline input?	Accept wildcard characters?
<CommonParameters> Verbose, Debug, ErrorAction, ErrorVariable, WarningAction, WarningVariable, OutBuffer, PipelineVariable, and OutVariable. For more information, see About CommonParameters (http://go.microsoft.com/fwlink/?LinkID=113216).					

NOTE: For more information, type "`Get-Help Restore-DRAResourceMailbox -detailed`". For technical information, type "`sGet-Help Restore-DRAResourceMailbox -full`".

Example 22-12 *1*

```
PS C:\>Restore-DRAResourceMailbox -Identifier
"CN=MyRMB88,OU=NetIQRecycleBin,DC=MyDomain,DC=corp" -Domain MyDom.corp
```

This example will restore a resource mailbox named MyRMB88 from the NetIQRecycleBin in MyDom.corp. It will be restored to the container from which it was deleted.

Example 22-13 *2*

```
PS C:\>Restore-DRAResourceMailbox -Identifier
"CN=MyRMB88,OU=NetIQRecycleBin,DC=MyDomain,DC=corp"
    -RestoreToContainer "OU=TempCon,DC=MyDomain,DC=CORP" -domain
MyDomain.corp
```

This example will restore a resource mailbox named MyRMB88 from the NetIQRecycleBin in MyDomain.corp. It will be restored to the container named TempCon in MyDomain.corp.

Set-DRAResourceMailbox

Synopsis

Updates the properties of the resource mailbox account specified by the Identifier parameter.

Syntax

```
Set-DRAResourceMailbox -Domain <String> [-Properties <Hashtable>] [-
Replace <Hashtable>] [-Add <Hashtable>] [-Remove <Hashtable>] [-Clear
<String[]>] -Identifier <String> [-DRARestServer <String>] [-DRARestPort
<Int32>] [-IgnoreCertificateErrors <SwitchParameter>] [-Force
<SwitchParameter>] [-Timeout <Int32>] [<CommonParameters>]
```

Description

The Set-DRAResourceMailbox cmdlet updates the requested resource mailbox account. The requesting user must have the Modify Resource Mailbox powers for each of the properties sent in the request.

NOTE: The Set-DRAResourceMailbox cmdlet supports multi-values for the `OtherFacsimileTelephoneNumber, ProxyAddresses, and Urls` attributes.

Parameters

Attribute / Description	Parameters / Values				
	Required	**Position**	**Default Value**	**Accept Pipeline input?**	**Accept wildcard characters?**
Properties <Hashtable> A hashtable of property values. The key is the name of a defined attribute in the REST interface. For example: `-Properties @{Attribute1DRADisplayName="my value"; Attribute2DRADisplayName=value}` Multiple values are specified as a comma-separated list. For example: `-Properties @{Attribute1DRADisplayName=value1, value2}` If the property name contains non-alphanumeric characters it needs to be quoted. For example: `-Properties @{"Attribute1-DRA-DisplayName"=value}` If the property value contains a quote it needs to be escaped with a backtick (`).  For example: `-Properties @{Attribute1DRADisplayName="`"sample`" value"}`	true	named		true (ByPropertyName)	false

Attribute / Description	Parameters / Values				
	Required	**Position**	**Default Value**	**Accept Pipeline input?**	**Accept wildcard characters?**
Replace [<Hashtable>] A Hashtable of property values to replace the current set of values for the specified property. The key is the name of a defined property in the REST interface. For example: `-Replace @{Attribute1DRADisplayName="my value"; Attribute2DRADisplayName=value}` Multiple values are specified as a comma-separated list and will replace currently set values. For example: `-Replace @{Attribute1DRADisplayName=value1, value2}` If the property name contains non-alphanumeric characters it needs to be quoted. For example: `-Replace @{"Attribute1-DRA-DisplayName"=value}` If the property value contains a quote it needs to be escaped with a backtick (`).  For example: `-Replace @{Attribute1DRADisplayName="`"sample`" value"}`	false	named		true (ByPropertyName)	false

Attribute / Description	Parameters / Values				
	Required	**Position**	**Default Value**	**Accept Pipeline input?**	**Accept wildcard characters?**
Add [<Hashtable>] A Hashtable of property values to add to the current set of values for the specified multi-valued property. The key is the name of a defined property in the REST interface. For example: `-Add @{Attribute1DRADisplayName=value; Attribute2DRADisplayName=value1, value2; ...; AttributeNDRADisplayName=value1, value2}` Multiple values are specified as a comma-separated list. For example: `-Add @{Attribute1DRADisplayName=value1, value2}}` If the property name contains non-alphanumeric characters it needs to be quoted. For example: `-Add @{"Attribute1-DRA-DisplayName"=value}` If the property value contains a quote it needs to be escaped with a backtick (`).  For example: `-Add @{Attribute1DRADisplayName="`"sample`" value"}`	false	named		true (ByPropertyName)	false

Attribute / Description	Parameters / Values				
	Required	**Position**	**Default Value**	**Accept Pipeline input?**	**Accept wildcard characters?**
Remove [<Hashtable>]	false	named		true (ByPropertyName)	false
A Hashtable of property values to remove from the current set of values for the specified multi-valued property. The key is the name of a defined property in the REST interface. For example: `-Remove @{Attribute1DRADisplayName=value; Attribute2DRADisplayName=value1, value2; ...; AttributeNDRADisplayName=value1, value2}` Multiple values are specified as a comma-separated list and will be removed from currently set values. For example: `-Remove @{Attribute1DRADisplayName=value1,value2}` If the property name contains non-alphanumeric characters it needs to be quoted. For example: `-Remove @{"Attribute1-DRA-DisplayName"=value}` If the property value contains a quote it needs to be escaped with a backtick (`).  For example: `-Remove @{Attribute1DRADisplayName="`"sample`" value"}`					

Attribute / Description	Parameters / Values				
	Required	**Position**	**Default Value**	**Accept Pipeline input?**	**Accept wildcard characters?**
Clear [<String>] An array of property names whose values will be cleared. Each name is the name of a defined property in the REST interface. For example: `-Clear "Attribute1-DRA-DisplayName"` Multiple values need to be separated by a comma. For example: `-Clear Attribute1DRADisplayName, Attribute2DRADisplayName`	false	named		true (ByPropertyName)	false
Identifier <String> The name or distinguished name of an existing Active Directory object. When the name is specified, an additional call to the DRA Server is needed to obtain the distinguished name for the object.	true	named		true (ByPropertyName)	false
Domain <String> The domain of the object in FQDN format. For example: `mydomain.corp`	true	named		true (ByPropertyName)	false
DRARestServer [<String>] The name of the computer running the DRA Rest Service. The requested DRA operation will execute on this server. If the parameter is not specified, the value defaults to 'localhost'.	false	named		true (ByPropertyName	false
DRARestPort [<Int32>] The port where the DRA REST Service listens for requests. If the parameter is not specified, the value defaults to 8755.	false	named	8755	true (ByPropertyName	false

Attribute / Description	Parameters / Values				
	Required	**Position**	**Default Value**	**Accept Pipeline input?**	**Accept wildcard characters?**
IgnoreCertificateErrors [<SwitchParameter>] Allows the request to bypass any SSL certificate errors, such as the InvalidOperation error that occurs when the REST Service is bound to a self-signed certificate.	false	named		false	false
Force [<SwitchParameter>] Suppresses any request for user input and supplies a 'yes' response. For example: -Force with a delete request will perform the delete without presenting the confirmation request to the user.	false	named		false	false
Timeout [<Int32>] The number of seconds to wait before the request to the DRA REST server times out. To specify an infinite timeout, you can set this parameter to -1. ***<CommonParameters>*** Verbose, Debug, ErrorAction, ErrorVariable, WarningAction, WarningVariable, OutBuffer, PipelineVariable, and OutVariable. For more information, see About CommonParameters (http://go.microsoft.com/fwlink/?LinkID=113216).	false	named	100 seconds	true (ByPropertyName)	false

NOTE: For more information, type "`Get-Help Set-DRAResourceMailbox -detailed`". For technical information, type "`Get-Help Set-DRAResourceMailbox -full`".

Example 22-14 *1*

```
PS C:\>Set-DRAResourceMailbox -Domain MyDom.corp -Identifier "RMB_123" -
Properties @{Manager="CN=George,CN=Users,
DC=MYDOM,DC=corp";Description="updated description";Location="Houston"}
```

This example updates some properties of the resource mailbox RMB_123 in MyDom.corp. The Identifier specifies the name of the resource mailbox. When the identifier format is the name, DRA resolves the name to the full distinguished name.

Example 22-15 *2*

```
PS C:\>Set-DRAResourceMailbox  -Domain MyDomain.corp -Identifier
"CN=RMB_123,OU=Accounting,DC=MyDomain,DC=corp" -Properties
{Manager="CN=George,CN=Users,DC=MYDOMAIN,DC=corp";Location="Houston";Addit
ionalResponseText="sometext"}
```

This example updates some of the properties of the resource mailbox RMB_123 in MyDomain.corp. The identifier contains the distinguished name for the resource mailbox. Three properties are updated: Manager, Location and AdditionalResponseText. To see the complete list of available properties, perform a Get-Member command on the object returned from any DRAResourceMailbox command.

23 Find Commands

This section contains cmdlets you can execute for domains, servers, and domain objects.

- "Find-DRAObjects" on page 577
- "Find-DRADeletedObjects" on page 586
- "Find-DRALDAPObjects" on page 593

- "Find-DRAObjects" on page 577
- "Find-DRADeletedObjects" on page 586
- "Find-DRALDAPObjects" on page 593

Find-DRAObjects

Synopsis

Searches for DRA objects on the specified DRA Server.

Syntax

```
Find-DRAObjects [-ComputerAndFilter <Hashtable>] [-ComputerOrFilter
<Hashtable>] [-ContactAndFilter <Hashtable>] [-ContactOrFilter
<Hashtable>] [-DomainAndFilter <Hashtable>] [-DomainOrFilter <Hashtable>]
[-DynamicDistributionGroupAndFilter <Hashtable>] [-
DynamicDistributionGroupOrFilter <Hashtable>] [-EquipmentMailboxOrFilter
<Hashtable>] [-GroupAndFilter <Hashtable>] [-GroupOrFilter <Hashtable>] [-
OUAndFilter <Hashtable>] [-OUOrFilter <Hashtable>] [-RoomMailboxOrFilter
<Hashtable>] [GroupManagedServiceAccountAndFilter <Hashtable>] [-
GroupManagedServiceAccountOrFilter <Hashtable>][-UserAndFilter
<Hashtable>] [-UserOrFilter <Hashtable>] [-ContainerAndFilter <Hashtable>]
[-ContainerOrFilter <Hashtable>] [-BuiltinContainerAndFilter <Hashtable>]
[-BuiltinContainerOrFilter <Hashtable>] [-SharedMailboxOrFilter
<Hashtable>] [-ManagedContainersOnly <SwitchParameter>] [-ContainerDN
<String>] [-EnforceServerLimit <SwitchParameter>] [-IncludeChildContainers
<SwitchParameter>] [-ObjectsPerResponse <Int32>] [-ResumeString <String>]
[-Attributes <String[]>] [-DRARestServer <String>] [-DRARestPort <Int32>]
[-IgnoreCertificateErrors <SwitchParameter>] [-Force <SwitchParameter>] [-
Timeout <Int32>] [<CommonParameters>]
```

Description

Find-DRAObjects asks the specified DRA Server to search for objects that match the specified filters. The server will return objects for which the requesting user has specific object properties viewing powers. You can specify criteria to search for computers, contacts, domains, dynamic distribution groups, equipment resource mailboxes, groups, OUs, room resource mailboxes, users and group managed service accounts. You can use Or filters to search for multiple object types. All of the object filters use the same format: a Hashtable of property values to match.

For example, the following filter will find users whose Name begins with "Sm" or whose

Location is "Houston":

```
-UserOrFilter @{Name="Sm*";Location="Houston"}
```

Wildcard options for filter values are:

* * Matches an unlimited number of characters
* ? Matches one non-numeric character
* # Matches one alphabetic character

Multiple match strings can be specified for an attribute by separating them with the | character. For example, the following will match users whose City attribute begins with H or P:

```
-UserOrFilter @{ City="H*|P*" }
```

To search for the literal | character you need to escape it with a backslash. For example, the following filter will find all users that have a | in their Description:

```
 -UserOrFilter @{ Description="*\|*" }
```

You can specify the ContainerDN parameter to control where DRA searches. Specify that the search should include objects in child containers by specifying the IncludeChildContainers parameter. See parameter explanations in detailed help for more information.

You can also specify parameters that control the content in the response, such as the number of items to return and where to resume the search results if multiple requests are needed to retrieve all of the search results. See the examples in the help for more information.

.

Parameters

Attribute / Description	Parameters / Values				
	Required	**Position**	**Default Value**	**Accept Pipeline input?**	**Accept wildcard characters?**
ComputerAndFilter [<Hashtable>] .The computer properties to use for searching computer objects. The properties will be combined for the search. Computers matching all listed properties will be returned.	false	named		true (ByPropertyName)	false
ComputerOrFilter [<Hashtable>] The computer properties to use for searching computer objects. Computers matching any of the listed properties will be returned.	false	named		true (ByPropertyName)	false

Attribute / Description	Parameters / Values				
	Required	**Position**	**Default Value**	**Accept Pipeline input?**	**Accept wildcard characters?**
ContactAndFilter [<Hashtable>] The contact properties to use for searching contact objects. The properties will be combined for the search. Contacts matching all listed properties will be returned.	false	named		true (ByPropertyName)	false
ContactOrFilter [<Hashtable>] The contact properties to use for searching contact objects. Contacts matching any of the listed properties will be returned.	false	named		true (ByPropertyName)	false
DomainAndFilter [<Hashtable>] The domain properties to use for searching domain objects. The properties will be combined for the search. Domains matching all listed properties will be returned.	false	named		true (ByPropertyName)	false
DomainOrFilter [<Hashtable>] The domain properties to use for searching domain objects. Domains matching any of the listed properties will be returned.	false	named		true (ByPropertyName)	false
DynamicDistributionGroupAndFilter [<Hashtable>] The dynamic distribution group properties to use when searching for dynamic distribution groups. The properties will be combined for the search. Dynamic distribution groups matching all listed properties will be returned.	true	named		true (ByPropertyName)	false
DynamicDistributionGroupOrFilter [<Hashtable>] The dynamic distribution group properties to use when searching for dynamic distribution groups. Dynamic distribution groups matching any of the listed properties will be returned.	false	named		true (ByPropertyName)	false

Attribute / Description	Parameters / Values				
	Required	**Position**	**Default Value**	**Accept Pipeline input?**	**Accept wildcard characters?**
EquipmentMailboxOrFilter [<Hashtable>] The equipment resource mailbox properties to use when searching. Resource mailboxes matching any of the listed properties will be returned.	false	named		true (ByPropertyName)	false
GroupAndFilter [<Hashtable>] The group properties to use when searching for group objects. The properties will be combined for the search. Groups matching all listed properties will be returned.	false	named		true (ByPropertyName)	false
GroupOrFilter [<Hashtable>] The group properties to use when searching for group objects. Groups matching any of the listed properties will be returned.	false	named		true (ByPropertyName)	false
OUAndFilter [<Hashtable>] The OU properties to use when searching for OUs. The properties will be combined for the search. OUs matching all listed properties will be returned.	false	named		true (ByPropertyName)	false
OUOrFilter [<Hashtable>] The OU properties to use when searching for OUs. OUs matching any of the listed properties will be returned.	false	named		true (ByPropertyName)	false
RoomMailboxOrFilter [<Hashtable>] The room resource mailbox properties to use when searching for resource mailboxes. Resource mailboxes matching any of the listed properties will be returned.	false	named		true (ByPropertyName)	false

Attribute / Description	Parameters / Values				
	Required	**Position**	**Default Value**	**Accept Pipeline input?**	**Accept wildcard characters?**
UserAndFilter [<Hashtable>] The user properties to use when searching for user objects. The properties will be combined for the search. Users matching all listed properties will be returned.	false	named		true (ByPropertyName)	false
UserOrFilter [<Hashtable>] The user properties to use when searching for user objects. Users matching any of the listed properties will be returned.	false	named		true (ByPropertyName)	false
ContainerAndFilter [<Hashtable>] The match strings to use when for searching for container objects. Containers matching all of the listed properties will be returned.	false	named		true (ByPropertyName)	false
BuiltinContainerAndFilter [<Hashtable>] The match strings to use when searching for builtin container objects. The properties will be combined for the search. Only builtin containers matching all listed properties will be returned.	false	named		true (ByPropertyName)	false
BuiltinContainerOrFilter [<Hashtable>] The match strings to use when for searching for builtin containers. Builtin containers matching any of the listed properties will be returned.	false	named		true (ByPropertyName)	false

Attribute / Description	Parameters / Values				
	Required	**Position**	**Default Value**	**Accept Pipeline input?**	**Accept wildcard characters?**
GroupManagedServiceAccountAndFilter [<Hashtable>] The group managed service account properties to use when searching for group managed service accounts. The properties will be combined for the search. Group managed service accounts matching all listed properties will be returned.	false	named		true (ByPropertyName)	false
GroupManagedServiceAccountOrFilter [<Hashtable>] The group managed service account properties to use when searching for group managed service accounts. The group managed service accounts matching any of the listed properties will be returned.	false	named		true (ByPropertyName)	false
ManagedContainersOnly [<SwitchParameter>] A switch parameter to limit the search to containers managed by DRA. The default is to search all containers specified by the ContainerDN parameter. If all containers in the path are managed by DRA, then this parameter will have no effect.	false	named		false	false
ContainerDN [<String>] The full path to the container to search in distinguished name format. For example: -`ContainerDN "OU=Accounting,DC=MyDomain,DC=corp"`.	false	named		false	false

Attribute / Description	Parameters / Values				
	Required	**Position**	**Default Value**	**Accept Pipeline input?**	**Accept wildcard characters?**
EnforceServerLimit [<SwitchParameter>] A switch parameter to indicate that the search results should be limited by the search result limit on the DRA Server. The typical server limit is 1000 items. The default is true.	false	named		false	false
IncludeChildContainers [<SwitchParameter>] A switch parameter to request that the search include child containers. The default is false: only the container named in the ContainerDN parameter is searched.	false	named		false	false
ObjectsPerResponse [<Nullable`1>] The number of objects to return in a response. The default is 250.	false	named		false	false
ResumeString [<String>] When multiple responses are needed to return all of the search results to the client, this parameter indicates the last item returned from the server. The value of this parameter would be set using the ResumeString property from the previous set of results. The ResumeString may look like this: `"CN=MYUser160,CN=Users, DC=MyDomain,DC=corp".` The `EnforceServerLimit`, `ObjectsPerResponse`, and `ResumeString` parameters are applicable only when the `Identifier` parameter is not specified.	false	named		false	false

Attribute / Description	Parameters / Values				
	Required	**Position**	**Default Value**	**Accept Pipeline input?**	**Accept wildcard characters?**
Attributes [<String[]>] An array of attributes to retrieve values for. If this parameter is missing, a default list of properties is returned.	false	named		true (ByPropertyName)	false
Domain <String> The domain of the object in fqdn format. For example: `mydomain.corp`	true	named		true (ByPropertyName)	false
DRARestServer [<String>] The name of the computer running the DRA Rest Service. The requested DRA operation will execute on this server. If the parameter is not specified, the value defaults to 'localhost'.	false	named		true (ByPropertyName)	false
DRARestPort [<Int32>] The port where the DRA REST Service listens for requests. If the parameter is not specified, the value defaults to 8755.	false	named	8755	true (ByPropertyName)	false
IgnoreCertificateErrors [<SwitchParameter>] Allows the request to bypass any SSL certificate errors, such as the InvalidOperation error that occurs when the REST Service is bound to a self-signed certificate.	false	named		false	false
Force [<SwitchParameter>] Suppresses any request for user input and supplies a 'yes' response. For example: -Force with a delete request will perform the delete without presenting the confirmation request to the user.	false	named		false	false

Attribute / Description	Parameters / Values				
	Required	**Position**	**Default Value**	**Accept Pipeline input?**	**Accept wildcard characters?**
Timeout [<Int32>] The number of seconds to wait before the request to the DRA REST server times out. To specify an infinite timeout, you can set this parameter to -1. ***<CommonParameters>*** Verbose, Debug, ErrorAction, ErrorVariable, WarningAction, WarningVariable, OutBuffer, PipelineVariable, and OutVariable. For more information, see About CommonParameters (http://go.microsoft.com/fwlink/?LinkID=113216).	false	named	100 seconds	true (ByPropertyName)	false

NOTE: For more information, type "`Get-Help Find-DRAObjects -detailed`". For technical information, type "`Get-Help Find-DRAObjects -full`".

Example 23-1 *1*

```
PS C:\>Find-DRAObjects  -ContactOrFilter @{Location="HOU*"}  -GroupOrFilter
@{Location="HOU*"} -OUOrFilter @{Location="HOU*"}  -UserOrFilter
@{Location="HOU*"}
-ContainerDn "OU=Sales,DC=MyDomain,DC=corp" -IncludeChildContainers -
ObjectsPerResponse 50
```

In this example, DRA will search in the Sales OU and all child containers of that OU for Contacts, Groups, OUs, and Users having a Location attribute beginning with "HOU". The server should return a maximum of 50 items in the response.

Example 23-2 *2*

```
PS C:\>Find-DRAObjects  -ComputerAndFilter @{Location="Houston-
9###";IsDisabled=$true;Department="Sales*"} -IncludeChildContainers
```

In this example, DRA will search in the Sales OU and all child containers of that OU for Contacts, Groups, OUs, and Users having a Location attribute beginning with "HOU". The server should return a maximum of 50 items in the response.

Example 23-3 *3*

```
PS C:\>Find-DRAObjects  -UserAndFilter
@{Location="Houston";IsDisabled=$true} -ObjectsPerResponse 500 -
IncludeChildContainers -ResumeString "CN=Accounting-
DG,OU=Accounting,OU=Brasilia,OU=Parent Company,DC=MyDomain,DC=corp"
```

This example searches for disabled user accounts whose Location attribute equals 'Houston'. DRA will search in all managed containers since the ContainerDN parameter is not specified and IncludeChildContainers is present. The server will return 500 items in the result, and it will begin the results with the next item after the one listed in the ResumeString parameter. ResumeString is used when there are multiple pages of results to be returned. When more data is available, the results will contain the ResumeString property that can be used to request the next page of results. The response also contains a boolean value IsSearchFinished that indicates if there are more results available on the server.

Example 23-4 *4*

```
PS C:\>Find-DRAObjects  -GroupOrFilter @{Location="Houston-
9###";Department="Sales*"}-ContainerDn "OU=Sales,DC=MyDomain,DC=corp" -
Attributes "DistinguishedName","DisplayName","Department"
```

In this example, DRA will search for groups having either Location beginning with 'Houston-9' and ending with 3 numeric digits, OR Department beginning with 'Sales'. DRA will search only in the Sales OU since the ContainerDN is specified and IncludeChildContainers is not. For each group matching the filter criteria, the server will return three attributes. The response will return a maximum of 250 items since the ObjectsPerResponse parameter is not specified.

Find-DRADeletedObjects

Synopsis

Searches for deleted DRA objects in the DRA Recycle Bin on the specified server.

Syntax

```
Find-DRADeletedObjects [-ComputerAndFilter <Hashtable>] [-ComputerOrFilter
<Hashtable>] [-ContactAndFilter <Hashtable>] [-ContactOrFilter
<Hashtable>] [-DynamicDistributionGroupAndFilter <Hashtable>] [-
DynamicDistributionGroupOrFilter <Hashtable>] [-EquipmentMailboxOrFilter
<Hashtable>] [-GroupAndFilter <Hashtable>] [-GroupOrFilter <Hashtable>] [-
RoomMailboxOrFilter <Hashtable>] [-UserAndFilter <Hashtable>] [-
UserOrFilter <Hashtable>] [-ContainerDN <String>] [-EnforceServerLimit
<SwitchParameter>] [-IncludeChildContainers <SwitchParameter>] [-
ObjectsPerResponse <Int32>] [-ResumeString <String>] [-Attributes
<String[]>] [-DRARestServer <String>] [-DRARestPort <Int32>] [-
IgnoreCertificateErrors <SwitchParameter>] [-Force <SwitchParameter>] [-
Timeout <Int32>] [<CommonParameters>]
```

Description

Find-DRADeletedObjects asks the specified DRA Server to search for objects in the DRA recycle bins that match the specified filters. The server will return objects for which the requesting user has view object properties powers. For more information on the objects supported and using filters see the help for Find-DRAObjects. You can specify the ContainerDN parameter to search the Recycle Bin of a specific domain. If ContainerDN is not specified then all recycle bins are searched. You can also specify parameters that control the content in the response, such as the number of items to return and where to resume the search results if multiple requests are needed to retrieve all of the search results. See the examples in the help for more information.

Parameters

Attribute / Description	Parameters / Values				
	Required	**Position**	**Default Value**	**Accept Pipeline input?**	**Accept wildcard characters?**
ComputerAndFilter [<Hashtable>] .The computer properties to use for searching computer objects. The properties will be combined for the search. Computers matching all listed properties will be returned.	false	named		true (ByPropertyName)	false
ComputerOrFilter [<Hashtable>] The computer properties to use for searching computer objects. Computers matching any of the listed properties will be returned.	false	named		true (ByPropertyName)	false
ContactAndFilter [<Hashtable>] The contact properties to use for searching contact objects. The properties will be combined for the search. Contacts matching all listed properties will be returned.	false	named		true (ByPropertyName)	false
ContactOrFilter [<Hashtable>] The contact properties to use for searching contact objects. Contacts matching any of the listed properties will be returned.	false	named		true (ByPropertyName)	false

Attribute / Description	Parameters / Values				
	Required	**Position**	**Default Value**	**Accept Pipeline input?**	**Accept wildcard characters?**
DynamicDistributionGroupAndFilter [<Hashtable>] The dynamic distribution group properties to use when searching for dynamic distribution groups objects. The properties will be combined for the search. Dynamic distribution groups matching all listed properties will be returned.	true	named		true (ByPropertyName)	false
DynamicDistributionGroupOrFilter [<Hashtable>] The dynamic distribution group properties to use when searching for domain objects. Dynamic distribution groups matching any of the listed properties will be returned.	false	named		true (ByPropertyName)	false
EquipmentMailboxOrFilter [<Hashtable>] The equipment resource mailbox properties to use when searching. Resource mailboxes matching any of the listed properties will be returned.	false	named		true (ByPropertyName)	false
GroupAndFilter [<Hashtable>] The group properties to use when searching for group objects. The properties will be combined for the search. Groups matching all listed properties will be returned.	false	named		true (ByPropertyName)	false
GroupOrFilter [<Hashtable>] The group properties to use when searching for group objects. Groups matching any of the listed properties will be returned.	false	named		true (ByPropertyName)	false

Attribute / Description	Parameters / Values				
	Required	**Position**	**Default Value**	**Accept Pipeline input?**	**Accept wildcard characters?**
RoomMailboxOrFilter [<Hashtable>] The room resource mailbox properties to use when searching for resource mailboxes. Resource mailboxes matching any of the listed properties will be returned.	false	named		true (ByPropertyName)	false
UserAndFilter [<Hashtable>] The user properties to use when searching for user objects. The properties will be combined for the search. Users matching all listed properties will be returned.	false	named		true (ByPropertyName)	false
UserOrFilter [<Hashtable>] The user properties to use when searching for user objects. Users matching any of the listed properties will be returned.	false	named		true (ByPropertyName)	false
ContainerDN [<String>] The full path to the container to search in distinguished name format. For example: -`ContainerDN "OU=Accounting,DC=MyDomain,DC=corp"`.	false	named		false	false
EnforceServerLimit [<SwitchParameter>] A switch parameter to indicate that the search results should be limited by the search result limit on the DRA Server. The typical server limit is 1000 items. The default is true.	false	named		false	false
IncludeChildContainers [<SwitchParameter>] A switch parameter to request that the search include child containers. The default is false: only the container named in the ContainerDN parameter is searched.	false	named		false	false

Attribute / Description	Parameters / Values				
	Required	**Position**	**Default Value**	**Accept Pipeline input?**	**Accept wildcard characters?**
ObjectsPerResponse [<Nullable`1>] The number of objects to return in a response. The default is 250.	false	named		false	false
ResumeString [<String>] When multiple responses are needed to return all of the search results to the client, this parameter indicates the last item returned from the server. The value of this parameter would be set using the ResumeString property from the previous set of results. The ResumeString may look like this: `"CN=MYUser160,CN=Users, DC=MyDomain,DC=corp".` The `EnforceServerLimit`, `ObjectsPerResponse`, and `ResumeString` parameters are applicable only when the `Identifier` parameter is not specified.	false	named		false	false
Attributes [<String[]>] An array of attributes to retrieve values for. If this parameter is missing, a default list of properties is returned.	false	named		true (ByPropertyName)	false
Domain <String> The domain of the object in fqdn format. For example: `mydomain.corp`	true	named		true (ByPropertyName)	false
DRARestServer [<String>] The name of the computer running the DRA Rest Service. The requested DRA operation will execute on this server. If the parameter is not specified, the value defaults to 'localhost'.	false	named		true (ByPropertyName)	false

Attribute / Description	Parameters / Values				
	Required	**Position**	**Default Value**	**Accept Pipeline input?**	**Accept wildcard characters?**
DRARestPort [<Int32>] The port where the DRA REST Service listens for requests. If the parameter is not specified, the value defaults to 8755.	false	named	8755	true (ByPropertyName)	false
IgnoreCertificateErrors [<SwitchParameter>] Allows the request to bypass any SSL certificate errors, such as the InvalidOperation error that occurs when the REST Service is bound to a self-signed certificate.	false	named		false	false
Force [<SwitchParameter>] Suppresses any request for user input and supplies a 'yes' response. For example: -Force with a delete request will perform the delete without presenting the confirmation request to the user.	false	named		false	false
Timeout [<Int32>] The number of seconds to wait before the request to the DRA REST server times out. To specify an infinite timeout, you can set this parameter to -1. ***<CommonParameters>*** Verbose, Debug, ErrorAction, ErrorVariable, WarningAction, WarningVariable, OutBuffer, PipelineVariable, and OutVariable. For more information, see About CommonParameters (http://go.microsoft.com/fwlink/?LinkID=113216).	false	named	100 seconds	true (ByPropertyName)	false

NOTE: For more information, type "`Get-Help Find-DRADeletedObjects -detailed`". For technical information, type "`Get-Help Find-DRADeletedObjects -full`".

Example 23-5 *1*

```
PS C:\>Find-DRADeletedObjects -UserAndFilter
@{Location="Houston";IsDisabled=$true} -ObjectsPerResponse 500 -
ResumeString "CN=Accounting-DG,OU=Accounting,OU=Brasilia,OU=Parent
Company,DC=MyDomain,DC=corp"
```

This example searches all recycle bins for disabled user accounts whose Location attribute equals 'Houston'. The server will return 500 items in the result and it will begin the results with the next item after the one listed in the ResumeString parameter. ResumeString is used when DRA finds more objects than what is specified in ObjectsPerResponse. When more data is available, the results will contain the ResumeString property that can be used to request the next page of results. The response also contains a boolean value IsSearchFinished that indicates if there are more results available on the server.

Example 23-6 *2*

```
PS C:\>Find-DRADeletedObjects -ContactOrFilter @{Location="HOU*"}-
GroupOrFilter @{Location="HOU*"} -ContainerDn "DC=MyDomain,DC=corp" -
ObjectsPerResponse 50
```

In this example, DRA will search the Recycle Bin for the domain MyDomain.corp for Contacts and Groups that have a Location attribute beginning with "HOU". The server should return a maximum of 50 items in the response.

Example 23-7 *3*

```
PS C:\>Find-DRADeletedObjects -ComputerAndFilter @{Location="Houston-
9###";IsDisabled=$true;Department="Sales*"}
```

In this example, DRA will search for computers with the following attributes: Location begins with 'Houston-9' and ends with 3 numeric digits, computer is disabled, Department begins with 'Sales'. DRA will search in all recycle bins since the ContainerDN parameter is not specified. The response will return a maximum of 250 items since the ObjectsPerResponse parameter is not specified.

Example 23-8 *4*

```
PS C:\>Find-DRADeletedObjects -GroupOrFilter @{Location="Houston-
9###";Department="Sales*"} -ContainerDn "DC=MyDomain,DC=corp" -Attributes
"DistinguishedName","DisplayName","Department"
```

In this example, DRA will search for groups having either Location beginning with 'Houston-9' and ending with 3 numeric digits, OR Department beginning with 'Sales'. DRA will search only in the Recycle Bin for the MyDomain.corp domain. For each group matching the filter criteria, the server will return three attributes. The response will return a maximum of 250 items since the ObjectsPerResponse parameter is not specified.

Find-DRALDAPObjects

Synopsis

Performs an LDAP search for DRA objects in the specified container.

Syntax

```
Find-DRALDAPObjects -LDAPQuery <String> [-StartRow <Int32>] [-ContainerDN
<String>] [-EnforceServerLimit <SwitchParameter>] [-IncludeChildContainers
<SwitchParameter>] [-ObjectsPerResponse <Int32>] [-ResumeString <String>]
[-Attributes <String[]>] [-DRARestServer <String>] [-DRARestPort <Int32>]
[-IgnoreCertificateErrors <SwitchParameter>] [-Force <SwitchParameter>] [-
Timeout <Int32>] [<CommonParameters>]s
```

Description

Find-DRALDAPObjects asks the specified DRA Server to perform the LDAP query specified in the LDAPQuery parameter. The server will return objects on which the requesting user has view object properties powers.

Specify the ContainerDN parameter to control where the LDAP query searches. Specify that the search should include objects in child containers by specifying the IncludeChildContainers parameter. See parameter explanations in detailed help for more information.

You can also specify parameters that control the content in the response, such as the number of items to return and where to resume the search results if multiple requests are needed to retrieve all of the search results. See the examples in the help for more information.

Parameters

Attribute / Description	Parameters / Values				
	Required	**Position**	**Default Value**	**Accept Pipeline input?**	**Accept wildcard characters?**
LDAPQuery <String>	true	named		false	false
The complete LDAP query string. You can specify any valid LDAP query string.					
StartRow [<Int32>]	false	named		false	false
When iterating multiple response pages from an LDAP command, the row number where the next set of response data should begin. The default is 0.					

Attribute / Description	Parameters / Values				
	Required	**Position**	**Default Value**	**Accept Pipeline input?**	**Accept wildcard characters?**
ContainerDN [<String>] The full path to the container to search in distinguished name format. For example: -`ContainerDN "OU=Accounting,DC=MyDomain,DC=corp"`.	false	named		false	false
EnforceServerLimit [<SwitchParameter>] A switch parameter to indicate that the search results should be limited by the search result limit on the DRA Server. The typical server limit is 1000 items. The default is true.	false	named		false	false
IncludeChildContainers [<SwitchParameter>] A switch parameter to request that the search include child containers. The default is false. Only the container named in the ContainerDN parameter is searched.	false	named		false	false
ObjectsPerResponse [<Nullable`1>] The number of objects to return in a response. The default is 250.	false	named		false	false

Attribute / Description	Parameters / Values				
	Required	**Position**	**Default Value**	**Accept Pipeline input?**	**Accept wildcard characters?**
ResumeString [<String>] When multiple responses are needed to return all of the search results to the client, this parameter indicates the last item returned from the server. The value of this parameter would be set using the ResumeString property from the previous set of results. The ResumeString may look like this: `"CN=MYUser160,CN=Users, DC=MyDomain,DC=corp".` The `EnforceServerLimit`, `ObjectsPerResponse`, and `ResumeString` parameters are applicable only when the `Identifier` parameter is not specified.	false	named		false	false
Attributes [<String[]>] An array of attributes to retrieve values for. If this parameter is missing, a default list of properties is returned.	false	named		true (ByPropertyName)	false
DRARestServer [<String>] The name of the computer running the DRA Rest Service. The requested DRA operation will execute on this server. If the parameter is not specified, the value defaults to 'localhost'.	false	named		true (ByPropertyName)	false
DRARestPort [<Int32>] The port where the DRA REST Service listens for requests. If the parameter is not specified, the value defaults to 8755.	false	named	8755	true (ByPropertyName)	false

Attribute / Description	Parameters / Values				
	Required	**Position**	**Default Value**	**Accept Pipeline input?**	**Accept wildcard characters?**
IgnoreCertificateErrors [<SwitchParameter>] Allows the request to bypass any SSL certificate errors, such as the InvalidOperation error that occurs when the REST Service is bound to a self-signed certificate.	false	named		false	false
Force [<SwitchParameter>] Suppresses any request for user input and supplies a 'yes' response. For example: -Force with a delete request will perform the delete without presenting the confirmation request to the user.	false	named		false	false
Timeout [<Int32>] The number of seconds to wait before the request to the DRA REST server times out. To specify an infinite timeout, you can set this parameter to -1. ***<CommonParameters>*** Verbose, Debug, ErrorAction, ErrorVariable, WarningAction, WarningVariable, OutBuffer, PipelineVariable, and OutVariable. For more information, see About CommonParameters (http://go.microsoft.com/fwlink/?LinkID=113216).	false	named	100 seconds	true (ByPropertyName)	false

NOTE: For more information, type "`Get-Help Find-DRALDAPObjects -detailed`". For technical information, type "`Get-Help Find-DRALDAPObjects -full`".

Example 23-9 *1*

```
PS C:\>Find-DRALDAPObjects -ContainerDn "OU=Sales,DC=MyDomain,DC=corp" -
IncludeChildContainers -ObjectsPerResponse 50 -LDAPQuery
"(&(objectClass=User)(!(email=*)))"
```

In this example, DRA will search in the Sales OU and all child containers of that OU. The LDAP query filters on Users not having an email attribute set. The server should return a maximum of 50 items in the response.

Example 23-10 *2*

```
PS C:\>Find-DRALDAPObjects  -ContainerDn "OU=Sales,DC=MyDomain,DC=corp" -
IncludeChildContainers -ObjectsPerResponse 50 -LDAPQuery
"(&(objectClass=User)(!(email=*)))" -ResumeString "89b8c1c1-678f-11e4-
8d77-0050568e0b4a" -StartRow 51
```

In this example, DRA will search in the Sales OU and all child containers of that OU. The LDAP query filters on Users not having an email attribute set. The server will return a maximum of 50 items in the response, and it will begin the results with row 51. ResumeString is used when there are multiple pages of results to be returned. When more data is available, the ResumeString property in the response will contain the string that can be used to request the next page of results. The client must track how many rows have been returned and set the StartRow parameter. The response also contains a boolean value IsSearchFinished that indicates if there are more results available on the server.

24 Service Commands

This section contains Help information for cmdlets you can execute for the objects that are shared.

- "Get-DRAService" on page 599
- "Resume-DRAService" on page 603
- "Set-DRAService" on page 606
- "Start-DRAService" on page 609
- "Stop-DRAService" on page 612
- "Suspend-DRAService" on page 614

- "Get-DRAService" on page 599
- "Resume-DRAService" on page 603
- "Set-DRAService" on page 606
- "Start-DRAService" on page 609
- "Stop-DRAService" on page 612
- "Suspend-DRAService" on page 614

Get-DRAService

Synopsis

Lists the properties of a computer's service object(s).

Syntax

```
Get-DRAService [-RequiredServices <SwitchParameter>] [-DependentServices
<SwitchParameter>] -Domain <String> -Identity <String> [-Name <String>] [-
ContainerDN <String>] [-EnforceServerLimit <SwitchParameter>] [-
IncludeChildContainers <SwitchParameter>] [-ObjectsPerResponse <Int32>] [-
ResumeString <String>] [-Attributes <String[]>] [-DRARestServer <String>]
[-DRARestPort <Int32>] [-IgnoreCertificateErrors <SwitchParameter>] [-
Force <SwitchParameter>] [-Timeout <Int32>] [<CommonParameters>]
```

Description

Specify the target computer using the distinguishedName. The Get-DRAService cmdlet returns a list of the service objects. When -Name is specified, returns a list of the service object's properties.

Parameters

Attribute / Description	Parameters / Values				
	Required	**Position**	**Default Value**	**Accept Pipeline input?**	**Accept wildcard characters?**
RequiredServices [<SwitchParameter>] Gets only the services that this service requires. This parameter gets the value of the ServicesDependedOn property of the service.	false	named		false	false
DependentServices [<SwitchParameter>] Gets only the services that depend upon the specified service.	false	named		false	false
Domain <String> The domain of the object in FQDN format. For example: `mydomain.corp`	true	named		false	false
Identity [<String>] The distinguished name of an existing computer object. For example: `CN=COMPUTER123,CN=Computers,DC=DRDOM123,DC=com`	tre	named		true (ByPropertyName)	false
Name [<String>] The Name parameter specifies the name of a computer resource. For example, "MyShare" for a file share, "MCSAdminSvc" for a service or, "Application" for an event log.	false	named		true (ByPropertyName)	false
ContainerDN [<String>] The full path to the container to search in distinguished name format. For example: `-ContainerDN "OU=Accounting,DC=MyDomain,DC=corp"`	false	named		false	false

Attribute / Description	Parameters / Values				
	Required	**Position**	**Default Value**	**Accept Pipeline input?**	**Accept wildcard characters?**
EnforceServerLimit [<SwitchParameter>] A switch parameter to indicate that the search results should be limited by the search result limit on the DRA Server. The typical server limit is 1000 items. The default is true.	false	named		false	false
IncludeChildContainers [<SwitchParameter>] A switch parameter to request that the search include child containers. The default is false: only the container named in the ContainerDN parameter is searched.	false	named		false	false
ObjectsPerResponse [<Nullable`1>] The number of objects to return in a response. The default is 250.	false	named		false	false
ResumeString [<String>] When multiple responses are needed to return all of the search results to the client, this parameter indicates the last item returned from the server. The value of this parameter would be set using the ResumeString property from the previous set of results. The ResumeString may look like this: `"CN=MYUser160,CN=Users, DC=MyDomain,DC=corp"` The `EnforceServerLimit`, `ObjectsPerResponse`, and `ResumeString` parameters are applicable only when the `Identifier` parameter is not specified.	false	named		false	false

Attribute / Description	Parameters / Values				
	Required	**Position**	**Default Value**	**Accept Pipeline input?**	**Accept wildcard characters?**
Attributes [<String[]>] An array of attributes to retrieve specific values. If this parameter is missing, a default list of properties is returned.	false	named		true (ByPropertyName)	false
DRARestServer [<String>] The name of the computer running the DRA REST Service. The requested DRA operation will be sent to the REST Service running on the specified computer. If this parameter is not specified, then the cmdlet will attempt to discover a DRA REST Service to use.	false	named		true (ByPropertyName)	false
DRARestPort [<Int32>] The port number of the DRA REST Service. This parameter is only used when the DRARestServer parameter is also specified. If the DRARestServer parameter is specified but the DRARestPort is not, 8755 will be used as the default REST port.	false	named	8755	true (ByPropertyName)	false
IgnoreCertificateErrors [<SwitchParameter>] Allows the request to bypass any SSL certificate errors, such as the InvalidOperation error that occurs when the REST Service is bound to a self-signed certificate.	false	named		false	false
Force [<SwitchParameter>] Suppresses any request for user input and supplies a 'yes' response. For example: -Force with a delete request will perform the delete without presenting the confirmation request to the user.	false	named		false	false

Attribute / Description	Parameters / Values				
	Required	**Position**	**Default Value**	**Accept Pipeline input?**	**Accept wildcard characters?**
Timeout [<Int32>] The number of seconds to wait before the request to the DRA REST server times out. To specify an infinite timeout, you can set this parameter to -1. ***<CommonParameters>*** Verbose, Debug, ErrorAction, ErrorVariable, WarningAction, WarningVariable, OutBuffer, PipelineVariable, and OutVariable. For more information, see About CommonParameters (http://go.microsoft.com/fwlink/?LinkID=113216).	false	named	100 seconds	true (ByPropertyName)	false

NOTE: For more information, type "`Get-Help Get-DRAService -detailed`". For technical information, type "`Get-Help Get-DRAService -full`".

Example 24-1 *1*

```
PS C:\>Get-DRAService -Domain MyDomain.corp -Identity
"CN=COMPUTER123,CN=Computers,DC=MyDomain,DC=corp"
```

This command example returns a list of service objects that belong to the computer named COMPUTER123 in MyDomain.corp.

Example 24-2 *2*

```
PS C:\>Get-DRAService -Domain MyDomain.corp -Identity
"CN=COMPUTER123,CN=Computers,DC=MyDomain,DC=corp" -Name "MyService"
```

This command example returns a list of MyService properties on the computer COMPUTER123 in MyDomain.corp.

Resume-DRAService

Synopsis

Resumes a service object.

Syntax

```
Resume-DRAService -Domain <String> -Identifier <String> [-DRARestServer
<String>] [-DRARestPort <Int32>] [-IgnoreCertificateErrors
<SwitchParameter>] [-Force <SwitchParameter>] [-Timeout <Int32>]
[<CommonParameters>]
```

Description

The Resume-DRAService cmdlet resumes the requested service. The requesting user must have the Resume Service power.

Parameters

Attribute / Description	Parameters / Values				
	Required	**Position**	**Default Value**	**Accept Pipeline input?**	**Accept wildcard characters?**
Identifier <String> The name or distinguished name of an existing Active Directory object. When the name is specified, an additional call to the DRA server is needed to obtain the distinguished name for the object.	true	named		true (ByPropertyName)	false
Domain <String> The domain of the object in FQDN format. For example: `mydomain.corp`	true	named		true (ByPropertyName)	false
DRARestServer [<String>] The name of the computer running the DRA REST Service. The requested DRA operation will be sent to the REST Service running on the specified computer. If this parameter is not specified, then the cmdlet will attempt to discover a DRA REST Service to use.	false	named		true (ByPropertyName)	false

Attribute / Description	Parameters / Values				
	Required	**Position**	**Default Value**	**Accept Pipeline input?**	**Accept wildcard characters?**
DRARestPort [<Int32>] The port number of the DRA REST Service. This parameter is only used when the DRARestServer parameter is also specified. If the DRARestServer parameter is specified but the DRARestPort is not, 8755 will be used as the default REST port.	false	named	8755	true (ByPropertyName)	false
IgnoreCertificateErrors [<SwitchParameter>] Allows the request to bypass any SSL certificate errors, such as the InvalidOperation error that occurs when the REST Service is bound to a self-signed certificate.	false	named		false	false
Force [<SwitchParameter>] Suppresses any request for user input and supplies a 'yes' response. For example: -Force with a delete request will perform the delete without presenting the confirmation request to the user.	false	named		false	false
Timeout [<Int32>] The number of seconds to wait before the request to the DRA REST server times out. To specify an infinite timeout, you can set this parameter to -1. ***<CommonParameters>*** Verbose, Debug, ErrorAction, ErrorVariable, WarningAction, WarningVariable, OutBuffer, PipelineVariable, and OutVariable. For more information, see About CommonParameters (http://go.microsoft.com/fwlink/?LinkID=113216).	false	named	100 seconds	true (ByPropertyName)	false

NOTE: For more information, type "`Get-Help Resume-DRAService -detailed`". For technical information, type "`Get-Help Resume-DRAService -full`".

Example 24-3 *1*

```
PS C:\>Resume-DRAService -Domain MyDomain.corp -Identifier
"cn=MyService,CN=COMPUTER123,CN=Computers,DC=MyDomain,DC=corp"
```

This command example resumes the service named MyService. The identifier contains the distinguished name for the service.

Set-DRAService

Synopsis

Updates the properties of the computer service specified by the Identifier parameter.

Syntax

```
Set-DRAService -Domain <String> -Properties <Hashtable> -Identifier
<String> [-DRARestServer <String>] [-DRARestPort <Int32>] [-
IgnoreCertificateErrors <SwitchParameter>] [-Force <SwitchParameter>] [-
Timeout <Int32>] [<CommonParameters>]
```

Description

The Set-DRAService cmdlet modifies the requested service object to a computer. The requesting service must have Modify Service powers for each of the properties sent in the request.

Parameters

Attribute / Description	Parameters / Values				
	Required	**Position**	**Default Value**	**Accept Pipeline input?**	**Accept wildcard characters?**
Properties <Hashtable> A hashtable of property values. The key is the name of a defined attribute in the REST interface. For example: `-Properties @{Attribute1DRADisplayName="my value"; Attribute2DRADisplayName=value}` Multiple values are specified as a comma-separated list. For example: `-Properties @{Attribute1DRADisplayName=value1, value2}` If the property name contains non-alphanumeric characters it needs to be quoted. For example: `-Properties @{"Attribute1-DRA-DisplayName"=value}` If the property value contains a quote it needs to be escaped with a backtick (`).  For example: `-Properties @{Attribute1DRADisplayName="``"sample``" value"}`	true	named		true (ByPropertyName)	false
Identifier [<String>] The name or distinguished name of an existing Active Directory object. When the name is specified, an additional call to the DRA Server is needed to obtain the distinguished name for the object.	true	named		true (ByPropertyName)	false
Domain <String> The domain of the object in FQDN format. For example: `mydomain.corp`	true	named		true (ByPropertyName)	false

Attribute / Description	Parameters / Values				
	Required	**Position**	**Default Value**	**Accept Pipeline input?**	**Accept wildcard characters?**
DRARestServer [<String>] The name of the computer running the DRA REST Service. The requested DRA operation will be sent to the REST Service running on the specified computer. If this parameter is not specified, then the cmdlet will attempt to discover a DRA REST Service to use.	false	named		true (ByPropertyName)	false
DRARestPort [<Int32>] The port number of the DRA REST Service. This parameter is only used when the DRARestServer parameter is also specified. If the DRARestServer parameter is specified but the DRARestPort is not, 8755 will be used as the default REST port.	false	named	8755	true (ByPropertyName)	false
IgnoreCertificateErrors [<SwitchParameter>] Allows the request to bypass any SSL certificate errors, such as the InvalidOperation error that occurs when the REST Service is bound to a self-signed certificate.	false	named		false	false
Force [<SwitchParameter>] Suppresses any request for user input and supplies a 'yes' response. For example: -Force with a delete request will perform the delete without presenting the confirmation request to the user.	false	named		false	false
Timeout [<Int32>] The number of seconds to wait before the request to the DRA REST server times out. To specify an infinite timeout, you can set this parameter to -1.	false	named	100 seconds	true (ByPropertyName)	false

Attribute / Description	Parameters / Values				
	Required	Position	Default Value	Accept Pipeline input?	Accept wildcard characters?
<CommonParameters> Verbose, Debug, ErrorAction, ErrorVariable, WarningAction, WarningVariable, OutBuffer, PipelineVariable, and OutVariable. For more information, see About CommonParameters (http://go.microsoft.com/fwlink/?LinkID=113216).					

NOTE: For more information, type "`Get-Help Set-DRAService -detailed`". For technical information, type "`Get-Help Set-DRAService -full`".

Example 24-4 *1*

```
PS C:\>Set-DRAService  -Domain MyDomain.corp -Identifier
"CN=MyService,CN=Computer123,CN=Computers,DC=MyDomain,DC=corp" -Properties
@{StartType=2}
```

In this example, the Set-DRAService cmdlet updates the StartType property on the service “MyService” in MyDomain.corp. The identifier contains the distinguished name for the service.

The StartType property requires a value between 0 and 4:

```
0 BOOT
1 SYSTEM
2 AUTOMATIC
3 MANUAL
4 DISABLED
```

To see the complete list of available properties, perform a Get-DRAService command on the object returned from any DRAService command.

Start-DRAService

Synopsis

Starts a service object.

Syntax

```
Start-DRAService -Domain <String> -Identifier <String> [-DRARestServer
<String>] [-DRARestPort <Int32>] [-IgnoreCertificateErrors
<SwitchParameter>] [-Force <SwitchParameter>] [-Timeout <Int32>]
[<CommonParameters>]
```

Description

The Start-DRAService cmdlet starts the requested service. The requesting user must have the Start Service power.

Parameters

Attribute / Description	Parameters / Values				
	Required	**Position**	**Default Value**	**Accept Pipeline input?**	**Accept wildcard characters?**
Identifier <String> The name or distinguished name of an existing Active Directory object. When the name is specified, an additional call to the DRA Server is needed to obtain the distinguished name for the object.	true	named		true (ByPropertyName)	false
Domain <String> The domain of the object in FQDN format. For example: `mydomain.corp`	true	named		true (ByPropertyName)	false
DRARestServer [<String>] The name of the computer running the DRA REST Service. The requested DRA operation will be sent to the REST Service running on the specified computer. If this parameter is not specified, then the cmdlet will attempt to discover a DRA REST Service to use.	false	named		true (ByPropertyName)	false
DRARestPort [<Int>] The port number of the DRA REST Service. This parameter is only used when the DRARestServer parameter is also specified. If the DRARestServer parameter is specified but the DRARestPort is not, 8755 will be used as the default REST port.	false	named	8755	true (ByPropertyName)	false

Attribute / Description	Parameters / Values				
	Required	**Position**	**Default Value**	**Accept Pipeline input?**	**Accept wildcard characters?**
IgnoreCertificateErrors [<SwitchParameter>] Allows the request to bypass any SSL certificate errors, such as the InvalidOperation error that occurs when the REST Service is bound to a self-signed certificate.	false	named		false	false
Force [<SwitchParameter>] Suppresses any request for user input and supplies a 'yes' response. For example: -Force with a delete request will perform the delete without presenting the confirmation request to the user.	false	named		false	false
Timeout [<Int32>] The number of seconds to wait before the request to the DRA REST server times out. To specify an infinite timeout, you can set this parameter to -1.	false	named	100 seconds	true (ByPropertyName)	false
<CommonParameters> Verbose, Debug, ErrorAction, ErrorVariable, WarningAction, WarningVariable, OutBuffer, PipelineVariable, and OutVariable. For more information, see About CommonParameters (http://go.microsoft.com/fwlink/?LinkID=113216).					

NOTE: For more information, type "`Get-Help Start-DRAService -detailed`". For technical information, type "`Get-Help Start-DRAService -full`".

Example 24-5 *1*

```
PS C:\>Start-DRAService -Domain MyDomain.corp -Identifier
"CN=MyService,CN=COMPUTER123,CN=Computers,DC=MyDomain,DC=corp"
```

This command example starts the service named MyService. The identifier contains the distinguished name for the service.

Stop-DRAService

Synopsis

Stops a service object.

.

Syntax

```
Stop-DRAService -Domain <String> -Identifier <String> [-DRARestServer
<String>] [-DRARestPort <Int32>] [-IgnoreCertificateErrors
<SwitchParameter>] [-Force <SwitchParameter>] [-Timeout <Int32>]
[<CommonParameters>]
```

Description

The Stop-DRAService cmdlet stops the requested service. The requesting user must have the Stop Service power.

Parameters

Attribute / Description	Parameters / Values				
	Required	**Position**	**Default Value**	**Accept Pipeline input?**	**Accept wildcard characters?**
Identifier [<String>] The name or distinguished name of an existing Active Directory object. When the name is specified, an additional call to the DRA Server is needed to obtain the distinguished name for the object.	true	named		true (ByPropertyName)	false
Domain <String> The domain of the object in FQDN format. For example: `mydomain.corp`	true	named		true (ByPropertyName)	false
DRARestServer [<String>] The name of the computer running the DRA REST Service. The requested DRA operation will be sent to the REST Service running on the specified computer. If this parameter is not specified, then the cmdlet will attempt to discover a DRA REST Service to use.	false	named		true (ByPropertyName)	false

Attribute / Description	Parameters / Values				
	Required	**Position**	**Default Value**	**Accept Pipeline input?**	**Accept wildcard characters?**
DRARestPort [<Int32>] The port number of the DRA REST Service. This parameter is only used when the DRARestServer parameter is also specified. If the DRARestServer parameter is specified but the DRARestPort is not, 8755 will be used as the default REST port.	false	named	8755	true (ByPropertyName)	false
IgnoreCertificateErrors [<SwitchParameter>] Allows the request to bypass any SSL certificate errors, such as the InvalidOperation error that occurs when the REST Service is bound to a self-signed certificate.	false	named		false	false
Force [<SwitchParameter>] Suppresses any request for user input and supplies a 'yes' response. For example: -Force with a delete request will perform the delete without presenting the confirmation request to the user.	false	named		false	false
Timeout [<Int32>] The number of seconds to wait before the request to the DRA REST server times out. To specify an infinite timeout, you can set this parameter to -1. ***<CommonParameters>*** Verbose, Debug, ErrorAction, ErrorVariable, WarningAction, WarningVariable, OutBuffer, PipelineVariable, and OutVariable. For more information, see About CommonParameters (http://go.microsoft.com/fwlink/?LinkID=113216).	false	named	100 seconds	true (ByPropertyName)	false

NOTE: For more information, type "`Get-Help Stop-DRAService -detailed`". For technical information, type "`Get-Help Stop-DRAService -full`".

Example 24-6 *1*

```
PS C:\>Stop-DRAService -Domain MyDomain.corp -Identifier
"CN=MyService,CN=COMPUTER123,CN=Computers,DC=MyDomain,DC=corp"
```

This command example stops the service named MyService. The identifier contains the distinguished name for the service.

Suspend-DRAService

Synopsis

Suspends a service object.

Syntax

```
Suspend-DRAService -Domain <String> -Identifier <String> [-DRARestServer
<String>] [-DRARestPort <Int32>] [-IgnoreCertificateErrors
<SwitchParameter>] [-Force <SwitchParameter>] [-Timeout <Int32>]
[<CommonParameters>]
```

Description

The Suspend-DRAService cmdlet pauses the requested service. The requesting user must have the Pause Service power.

Parameters

Attribute / Description	Parameters / Values				
	Required	**Position**	**Default Value**	**Accept Pipeline input?**	**Accept wildcard characters?**
Identifier [<String>] The name or distinguished name of an existing Active Directory object. When the name is specified, an additional call to the DRA Server is needed to obtain the distinguished name for the object.	true	named		true (ByPropertyName)	false
Domain <String> The domain of the object in FQDN format. For example: `mydomain.corp`	true	named		true (ByPropertyName)	false

Attribute / Description	Parameters / Values				
	Required	**Position**	**Default Value**	**Accept Pipeline input?**	**Accept wildcard characters?**
DRARestServer [<String>] The name of the computer running the DRA REST Service. The requested DRA operation will be sent to the REST Service running on the specified computer. If this parameter is not specified, then the cmdlet will attempt to discover a DRA REST Service to use.	false	named		true (ByPropertyName)	false
DRARestPort [<Int32>] The port number of the DRA REST Service. This parameter is only used when the DRARestServer parameter is also specified. If the DRARestServer parameter is specified but the DRARestPort is not, 8755 will be used as the default REST port.	false	named	8755	true (ByPropertyName)	false
IgnoreCertificateErrors [<SwitchParameter>] Allows the request to bypass any SSL certificate errors, such as the InvalidOperation error that occurs when the REST Service is bound to a self-signed certificate.	false	named		false	false
Force [<SwitchParameter>] Suppresses any request for user input and supplies a 'yes' response. For example: -Force with a delete request will perform the delete without presenting the confirmation request to the user.	false	named		false	false
Timeout [<Int32>] The number of seconds to wait before the request to the DRA REST server times out. To specify an infinite timeout, you can set this parameter to -1.	false	named	100 seconds	true (ByPropertyName)	false

Attribute / Description	Parameters / Values				
	Required	**Position**	**Default Value**	**Accept Pipeline input?**	**Accept wildcard characters?**
<CommonParameters> Verbose, Debug, ErrorAction, ErrorVariable, WarningAction, WarningVariable, OutBuffer, PipelineVariable, and OutVariable. For more information, see About CommonParameters (http://go.microsoft.com/fwlink/?LinkID=113216).					

NOTE: For more information, type "`Get-Help Suspend-DRAService -detailed`". For technical information, type "`Get-Help Suspend-DRAService -full`".

Example 24-7 *1*

```
PS C:\>Suspend-DRAService -Domain MyDomain.corp -Identifier
"CN=MyService,CN=COMPUTER123,CN=Computers,DC=MyDomain,DC=corp"
```

This command example pauses the service named MyService. The identifier contains the distinguished name for the service.

25 Group Managed Service Account Commands

This section contains cmdlets you can execute for the group Managed Service Account (gMSA) object type.

- "Get-DRAServiceAccount" on page 617
- "Move-DRAServiceAccount" on page 621
- "New-DRAServiceAccount" on page 623
- "Remove-DRAServiceAccount" on page 626
- "Set-DRAServiceAccount" on page 628

Get-DRAServiceAccount

Synopsis

Gets information about a group Managed Service Account (gMSA) from Active Directory.

Syntax

```
Get-DRAServiceAccount -Domain <String> [-Attributes <String[]>] [-
PowersForOperations <String[]>] [-VisiblePropertiesOnly <SwitchParameter>]
-Identifier <String> [-DRARestServer <String>] [-DRARestPort <Int32>] [-
IgnoreCertificateErrors <SwitchParameter>] [-Force <SwitchParameter>] [-
Timeout <Int32>] [<CommonParameters>]
```

Description

The Get-DRAServiceAccount cmdlet returns the properties of the requested gMSA from Active Directory. The requesting user must have the `View All group Managed Service Account Properties` power. You can view the default list of properties or specify specific properties. The default properties for a gMSA include: `Name, Description, DistinguishedName, DisplayName, SAMAccountName, FriendlyName, and FriendlyPath.`

Parameters

Attribute / Description	Parameters / Values				
	Required	**Position**	**Default Value**	**Accept Pipeline input?**	**Accept wildcard characters?**
Attributes [<String[]>] An array of attributes to retrieve values for. If this parameter is missing, a default list of properties is returned.	false	named		true (ByPropertyName)	false
PowersForOperations [<String[]>] An array of DRA operation names for which you want the server to return read/write permission information. This parameter is typically used by a UI-based client to hide or disable elements the calling user doesn't have powers for. The `PowersForOperations` parameter is applicable only if you have specified the `Identifier` parameter.	false	named		true (ByPropertyName)	false
VisiblePropertiesOnly [<SwitchParameter>] A flag to indicate whether DRA should return only properties the caller has powers to view. By default, DRA will return an error if the caller requests a property that they do not have powers to view. By specifying this flag, DRA is instructed to not return an error and instead just not return a value for such properties.	false	named		false	false
Identifier <String> The name or distinguished name of an existing Active Directory object. When the name is specified, an additional call to the DRA Server is needed to obtain the distinguished name for the object.	true	named		true (ByPropertyName)	false

Attribute / Description	Parameters / Values				
	Required	**Position**	**Default Value**	**Accept Pipeline input?**	**Accept wildcard characters?**
Domain <String> The domain of the object in FQDN format. For example: `mydomain.corp`	true	named		true (ByPropertyName)	false
DRARestServer [<String>] The name of the computer running the DRA Rest Service. The requested DRA operation will execute on this server. If the parameter is not specified, the value defaults to 'localhost'.	false	named		true (ByPropertyName)	false
DRARestPort [<Int32>] The port where the DRA REST Service listens for requests. If the parameter is not specified, the value defaults to 8755.	false	named	8755	true (ByPropertyName)	false
IgnoreCertificateErrors [<SwitchParameter>] Allows the request to bypass any SSL certificate errors, such as the InvalidOperation error that occurs when the REST Service is bound to a self-signed certificate.	false	named		false	false
Force [<SwitchParameter>] Suppresses any request for user input and supplies a 'yes' response. For example: -Force with a delete request will perform the delete without presenting the confirmation request to the user.	false	named		false	false
Timeout [<Int32>] The number of seconds to wait before the request to the DRA REST server times out. To specify an infinite timeout, you can set this parameter to -1.	false	named	100 seconds	true (ByPropertyName)	false

Attribute / Description	Parameters / Values				
	Required	**Position**	**Default Value**	**Accept Pipeline input?**	**Accept wildcard characters?**
<CommonParameters> Verbose, Debug, ErrorAction, ErrorVariable, WarningAction, WarningVariable, OutBuffer, PipelineVariable, and OutVariable. For more information, see About CommonParameters (http://go.microsoft.com/fwlink/?LinkID=113216).					

NOTE: For more information, type "`Get-Help Get-DRAServiceAccount -detailed`". For technical information, type "`Get-Help Get-DRAServiceAccount -full`".

Example 25-1 *1*

```
PS C:\>Get-DRAServiceAccount -Domain MyDomain.corp -Identifier "GMSA123" -
Attributes
"Description","DisplayName","DNSHostName","IsDisabled","ManagedPasswordInt
ervalInDays","SamAccountName","PrincipalsAllowedToDelegateToAccount","Prin
cipalsAllowedToRetrieveManagedPassword"
```

This example requests the properties of the gMSA named GMSA123 in the MyDomain.corp domain. If the Attributes parameter is not specified, a default list of properties will be returned.

Example 25-2 *2*

```
PS C:\>Get-DRAServiceAccount -Domain MyDomain.corp -Identifier
"CN=GMSA123,CN=Managed Service Accounts,DC=MyDomain,DC=corp"
```

This example requests the properties of the gMSA named GMSA123 in the MyDomain.corp domain. The identifier contains the name of the gMSA. When the name is specified, DRA resolves the name to the distinguished name, and then requests the properties for the gMSA.

Example 25-3 *3*

```
PS C:\>Get-DRAServiceAccount -Domain MyDomain.corp -Identifier
"CN=GMSA123,CN=Managed Service Accounts,DC=MyDomain,DC=corp"
```

This example requests the properties of the gMSA named GMSA123 in the MyDomain.corp domain. The identifier contains the distinguished name for the gMSA.

Move-DRAServiceAccount

Synopsis

Moves a group Managed Service Account (gMSA) from one location in Active Directory to another.

Syntax

```
Move-DRAServiceAccount -Domain <String> -TargetContainer <String> -
Identifier <String> [-DRARestServer <String>] [-DRARestPort <Int32>] [-
IgnoreCertificateErrors<SwitchParameter>] [-Force <SwitchParameter>] [-
Timeout <Int32>] [<CommonParameters>]
```

Description

The Move-DRAServiceAccount cmdlet moves the gMSA specified in the `Identifier` parameter to the container specified in the `TargetContainer` parameter. The requesting user must have the `Move group Managed Service Account to OU` power on the target container.

Parameters

Attribute / Description	Parameters / Values				
	Required	**Position**	**Default Value**	**Accept Pipeline input?**	**Accept wildcard characters?**
Identifier <String> The name or distinguished name of a gMSA.	true	named		true (ByPropertyName)	false
Domain <String> The domain of the object in FQDN format. For example: `mydomain.corp`	true	named		true (ByPropertyName)	false
TargetContainer <String> The full path to the destination container for the object you are moving, in the distinguished name format. For example: -TargetContainer "OU=Accounting,DC=MyDomain, DC=corp".	true	named		true (ByPropertyName)	false

Attribute / Description	Parameters / Values				
	Required	**Position**	**Default Value**	**Accept Pipeline input?**	**Accept wildcard characters?**
DRARestServer [<String>] The name of the computer running the DRA Rest Service. The requested DRA operation will execute on this server. If the parameter is not specified, the value defaults to 'localhost'.	false	named		true (ByPropertyName)	false
DRARestPort [<Int32>] The port where the DRA REST Service listens for requests. If the parameter is not specified, the value defaults to 8755.	false	named	8755	true (ByPropertyName)	false
IgnoreCertificateErrors [<SwitchParameter>] Allows the request to bypass any SSL certificate errors, such as the InvalidOperation error that occurs when the REST Service is bound to a self-signed certificate.	false	named		false	false
Force [<SwitchParameter>] Suppresses any request for user input and supplies a 'yes' response. For example: -Force with a delete request will perform the delete without presenting the confirmation request to the user.	false	named		false	false
Timeout [<Int32>] The number of seconds to wait before the request to the DRA REST server times out. To specify an infinite timeout, you can set this parameter to -1.	false	named	100 seconds	true (ByPropertyName)	false

Attribute / Description	Parameters / Values				
	Required	Position	Default Value	Accept Pipeline input?	Accept wildcard characters?
<CommonParameters> Verbose, Debug, ErrorAction, ErrorVariable, WarningAction, WarningVariable, OutBuffer, PipelineVariable, and OutVariable. For more information, see About CommonParameters (http://go.microsoft.com/fwlink/?LinkID=113216).					

NOTE: For more information, type "`Get-Help Move-DRAServiceAccount -detailed`". For technical information, type "`Get-Help Move-DRAServiceAccount -full`".

Example 25-4 *1*

```
PS C:\>Move-DRAServiceAccount -Domain MyDomain.corp -Identifier
"CN=GMSA123,CN=Managed Service Accounts,DC=MyDomain,DC=corp" -
TargetContainer "OU=Accounts,DC=MyDomain,DC=corp"
```

This example moves the gMSA named GMSA123 from the container named Managed Service Accounts to the container named Accounts.

New-DRAServiceAccount

Synopsis

Adds a group Managed Service Account (gMSA) to an Active Directory domain.

Syntax

```
New-DRAServiceAccount -Properties <Hashtable> -Domain <String> [-
DRARestServer <String>] [-DRARestPort <Int32>] [-IgnoreCertificateErrors
<SwitchParameter>] [-Force <SwitchParameter>] [-Timeout <Int32>]
[<CommonParameters>]
```

Description

The New-DRAServiceAccount cmdlet adds a gMSA to a domain managed by DRA. The requesting user must have the `Create group Managed Service Account and Modify All Properties` power. Use the `Properties` parameter to specify the values to use when creating the gMSA. To see the complete list of available properties, run the Get-Member command on the object returned by any DRAServiceAccount command.

Parameters

Attribute / Description	Parameters / Values				
	Required	**Position**	**Default Value**	**Accept Pipeline input?**	**Accept wildcard characters?**
Properties <Hashtable> A hashtable of property values. The key is the name of a defined attribute in the REST interface. For example: `-Properties @{Attribute1DRADisplayName="my value"; Attribute2DRADisplayName=value}` Multiple values are specified as a comma-separated list. For example: `-Properties @{Attribute1DRADisplayName=value1, value2}` If the property name contains non-alphanumeric characters it needs to be quoted. For example: `-Properties @{"Attribute1-DRA-DisplayName"=value}` If the property value contains a quote it needs to be escaped with a backtick (`).  For example: `-Properties @{Attribute1DRADisplayName="`"sample`" value"}`	true	named		true (ByPropertyName)	false
Domain <String> The domain of the object in fqdn format. For example: `mydomain.corp`	true	named		true (ByPropertyName)	false
DRARestServer [<String>] The name of the computer running the DRA REST Service. The requested DRA operation will execute on this server. If the parameter is not specified, the value defaults to 'localhost'.	false	named		true (ByPropertyName)	false

Attribute / Description	Parameters / Values				
	Required	**Position**	**Default Value**	**Accept Pipeline input?**	**Accept wildcard characters?**
DRARestPort [<Int32>] The port where the DRA REST Service listens for requests. If the parameter is not specified, the value defaults to 8755.	false	named	8755	true (ByPropertyName)	false
IgnoreCertificateErrors [<SwitchParameter>] Allows the request to bypass any SSL certificate errors, such as the InvalidOperation error that occurs when the REST Service is bound to a self-signed certificate.	false	named		false	false
Force [<SwitchParameter>] Suppresses any request for user input and supplies a 'yes' response. For example: -Force with a delete request will perform the delete without presenting the confirmation request to the user.	false	named		false	false
Timeout [<Int32>] The number of seconds to wait before the request to the DRA REST server times out. To specify an infinite timeout, you can set this parameter to -1. ***<CommonParameters>*** Verbose, Debug, ErrorAction, ErrorVariable, WarningAction, WarningVariable, OutBuffer, PipelineVariable, and OutVariable. For more information, see About CommonParameters (http://go.microsoft.com/fwlink/?LinkID=113216).	false	named	100 seconds	true (ByPropertyName)	false

NOTE: For more information, type "`Get-Help New-DRAServiceAccount -detailed`". For technical information, type "`Get-Help New-DRAServiceAccount -full`".

Example 25-5 *1*

```
C:\>New-DRAServiceAccount -Domain MyDomain.corp -Properties
@{FriendlyPath="MyDomain.corp/Managed Service Accounts/
GMSA123";Description="gMSA for
powershell";DNSHostName="GMSA123.MyDomain.corp"}
```

This example creates a gMSA named GMSA123 in the Managed Service Accounts container of the MyDomain.corp domain using the `FriendlyPath` property. The `samAccountName` defaults to the name followed by a dollar sign. There are two properties set on this gMSA: `Description` and `DNSHostName`.

Example 25-6 *1*

```
PS C:\>New-DRAServiceAccount -Domain MyDomain.corp -Properties
@{DistinguishedName="CN=GMSA123,CN=Managed Service
Accounts,DC=MyDomain,DC=corp";DNSHostName="GMSA123.MyDomain.corp";ManagedP
asswordIntervalInDays=20;samAccountName="gMSA123$"}
```

This example creates a gMSA named GMSA123 in the Managed Service Accounts container of the MyDomain.corp domain using the `DistinguishedName` property. There are three properties set on this gMSA: `DNSHostName`, `ManagedPasswordIntervalInDays`, and `samAccountName`. The value for the `ManagedPasswordIntervalInDays` property can be specified only when you create a new gMSA. If the value for the `ManagedPasswordIntervalInDays` property is set to 0, then the default value is used.

Example 25-7 *1*

```
PS C:\>New-DRAServiceAccount -Domain MyDomain.corp -Properties
@{FriendlyParentPath="MyDomain.corp/Managed Service
Accounts";Name="GMSA123";DNSHostName="GMSA123.MyDomain.corp";PrincipalsAll
owedToRetrieveManagedPassword="CN=George,CN=Users,DC=MYDOMAIN,DC=corp";sam
AccountName="gMSA123$"}
```

This example creates the gMSA named GMSA123 in the Managed Service Accounts container of the MyDomain.corp domain using the `Name` and `FriendlyParentPath` properties. There are three properties set on this gMSA: `DNSHostName`, `PrincipalsAllowedToRetrieveManagedPassword`, and `samAccountName`.

Remove-DRAServiceAccount

Synopsis

Removes a group Managed Service Account (gMSA) from Active Directory.

Syntax

```
Remove-DRAServiceAccount -Domain <String> -Identifier <String> [-
DRARestServer <String>] [-DRARestPort <Int32>] [-IgnoreCertificateErrors
<SwitchParameter>] [-Force <SwitchParameter>] [-Timeout <Int32>]
[<CommonParameters>]
```

Description

The Remove-DRAServiceAccount cmdlet permanently deletes the requested gMSA. The requesting user must have the `Delete group Managed Service Account` power.

Parameters

Attribute / Description	Parameters / Values				
	Required	**Position**	**Default Value**	**Accept Pipeline input?**	**Accept wildcard characters?**
I***dentifier <String>*** The name or distinguished name of an existing Active Directory object.	true	named		true (ByPropertyName)	false
Domain <String> The domain of the object in fqdn format. For example: `mydomain.corp`	true	named		true (ByPropertyName)	false
DRARestServer [<String>] The name of the computer running the DRA REST Service. The requested DRA operation will execute on this server. If the parameter is not specified, the value defaults to 'localhost'.	false	named		true (ByPropertyName)	false
DRARestPort [<Int32>] The port where the DRA REST Service listens for requests. If the parameter is not specified, the value defaults to 8755.	false	named	8755	true (ByPropertyName)	false
IgnoreCertificateErrors [<SwitchParameter>] Allows the request to bypass any SSL certificate errors, such as the InvalidOperation error that occurs when the REST Service is bound to a self-signed certificate.	false	named		false	false

Attribute / Description	Parameters / Values				
	Required	**Position**	**Default Value**	**Accept Pipeline input?**	**Accept wildcard characters?**
Force [<SwitchParameter>] Suppresses any request for user input and supplies a 'yes' response. For example: -Force with a delete request will perform the delete without presenting the confirmation request to the user.	false	named		false	false
Timeout [<Int32>] The number of seconds to wait before the request to the DRA REST server times out. To specify an infinite timeout, you can set this parameter to -1.	false	named	100 seconds	true (ByPropertyName)	false
<CommonParameters> Verbose, Debug, ErrorAction, ErrorVariable, WarningAction, WarningVariable, OutBuffer, PipelineVariable, and OutVariable. For more information, see About CommonParameters (http://go.microsoft.com/fwlink/?LinkID=113216).					

NOTE: For more information, type "`Get-Help Remove-DRAServiceAccount -detailed`". For technical information, type "`Get-Help Remove-DRAServiceAccount -full`".

Example 25-8 *1*

```
PS C:\>Remove-DRAServiceAccount -Domain MyDomain.corp -Identifier
"CN=GMSA123,CN=Managed Service Accounts,DC=MyDomain,DC=corp"
```

This example permanently deletes the gMSA named GMSA123 from the MyDomain.corp domain. The identifier contains the distinguished name for the gMSA.

Set-DRAServiceAccount

Synopsis

Updates the properties of a group Managed Service Account (gMSA) specified by the `Identifier` parameter.

Syntax

```
Set-AzureDRAContact -Tenant <String> [-Properties <Hashtable>] [-Replace
<Hashtable>] [-Add <Hashtable>] [-Remove <Hashtable>] [-Clear <String[]>] -
Identifier <String> [-DRARestServer <String>] [-DRARestPort <Int32>] [-
IgnoreCertificateErrors <SwitchParameter>] [-Force <SwitchParameter>] [-
Timeout <Int32>] [<CommonParameters>]
```

Description

The Set-DRAServiceAccount cmdlet updates the requested gMSA. The requesting user must have the `Modify All group Managed Service Account Properties` power.

Parameters

Attribute / Description	Parameters / Values				
	Required	**Position**	**Default Value**	**Accept Pipeline input?**	**Accept wildcard characters?**
Properties <Hashtable> A hashtable of property values. The key is the name of a defined attribute in the REST interface. For example: `-Properties @{Attribute1DRADisplayName="my value"; Attribute2DRADisplayName=value}` Multiple values are specified as a comma-separated list. For example: `-Properties @{Attribute1DRADisplayName=value1, value2}` If the property name contains non-alphanumeric characters it needs to be quoted. For example: `-Properties @{"Attribute1-DRA-DisplayName"=value}` If the property value contains a quote it needs to be escaped with a backtick (`).  For example: `-Properties @{Attribute1DRADisplayName="`"sample`" value"}`	true	named		true (ByPropertyName)	false

Attribute / Description	Parameters / Values				
	Required	**Position**	**Default Value**	**Accept Pipeline input?**	**Accept wildcard characters?**
Replace [<Hashtable>] A Hashtable of property values to replace the current set of values for the specified property. The key is the name of a defined property in the REST interface. For example: `-Replace @{Attribute1DRADisplayName="my value"; Attribute2DRADisplayName=value}` Multiple values are specified as a comma-separated list and will replace currently set values. For example: `-Replace @{Attribute1DRADisplayName=value1, value2}` If the property name contains non-alphanumeric characters it needs to be quoted. For example: `-Replace @{"Attribute1-DRA-DisplayName"=value}` If the property value contains a quote it needs to be escaped with a backtick (`).  For example: `-Replace @{Attribute1DRADisplayName="`"sample`" value"}`	false	named		true (ByPropertyName)	false

Attribute / Description	Parameters / Values				
	Required	**Position**	**Default Value**	**Accept Pipeline input?**	**Accept wildcard characters?**
Add [<Hashtable>] A Hashtable of property values to add to the current set of values for the specified multi-valued property. The key is the name of a defined property in the REST interface. For example: `-Add @{Attribute1DRADisplayName=value; Attribute2DRADisplayName=value1, value2; ...; AttributeNDRADisplayName=value1, value2}` Multiple values are specified as a comma-separated list. For example: `-Add @{Attribute1DRADisplayName=value1, value2}}` If the property name contains non-alphanumeric characters it needs to be quoted. For example: `-Add @{"Attribute1-DRA-DisplayName"=value}` If the property value contains a quote it needs to be escaped with a backtick (`).  For example: `-Add @{Attribute1DRADisplayName="`"sample`" value"}`	false	named		true (ByPropertyName)	false

Attribute / Description	Parameters / Values				
	Required	**Position**	**Default Value**	**Accept Pipeline input?**	**Accept wildcard characters?**
Remove [<Hashtable>] A Hashtable of property values to remove from the current set of values for the specified multi-valued property. The key is the name of a defined property in the REST interface. For example: `-Remove @{Attribute1DRADisplayName=value; Attribute2DRADisplayName=value1, value2; ...; AttributeNDRADisplayName=value1, value2}` Multiple values are specified as a comma-separated list and will be removed from currently set values. For example: `-Remove @{Attribute1DRADisplayName=value1,value2}` If the property name contains non-alphanumeric characters it needs to be quoted. For example: `-Remove @{"Attribute1-DRA-DisplayName"=value}` If the property value contains a quote it needs to be escaped with a backtick (`).  For example: `-Remove @{Attribute1DRADisplayName="`"sample`" value"}`	false	named		true (ByPropertyName)	false

Attribute / Description	Parameters / Values				
	Required	**Position**	**Default Value**	**Accept Pipeline input?**	**Accept wildcard characters?**
Clear [<String>] An array of property names whose values will be cleared. Each name is the name of a defined property in the REST interface. For example: `-Clear "Attribute1-DRA-DisplayName"` Multiple values need to be separated by a comma. For example: `-Clear Attribute1DRADisplayName, Attribute2DRADisplayName`	false	named		true (ByPropertyName)	false
Domain <String> The domain of the object in FQDN format. For example: `mydomain.corp`	true	named		true (ByPropertyName)	false
DRARestServer [<String>] The name of the computer running the DRA Rest Service. The requested DRA operation will execute on this server. If the parameter is not specified, the value defaults to 'localhost'.	false	named		true (ByPropertyName)	false
DRARestPort [<Int32>] The port where the DRA REST Service listens for requests. If the parameter is not specified, the value defaults to 8755.	false	named	8755	true (ByPropertyName)	false
IgnoreCertificateErrors [<SwitchParameter>] Allows the request to bypass any SSL certificate errors, such as the InvalidOperation error that occurs when the REST Service is bound to a self-signed certificate.	false	named		false	false

Attribute / Description	Parameters / Values				
	Required	**Position**	**Default Value**	**Accept Pipeline input?**	**Accept wildcard characters?**
Force [<SwitchParameter>] Suppresses any request for user input and supplies a 'yes' response. For example: -Force with a delete request will perform the delete without presenting the confirmation request to the user.	false	named		false	false
Timeout [<Int32>] The number of seconds to wait before the request to the DRA REST server times out. To specify an infinite timeout, you can set this parameter to -1.	false	named	100 seconds	true (ByPropertyName)	false
<CommonParameters> Verbose, Debug, ErrorAction, ErrorVariable, WarningAction, WarningVariable, OutBuffer, PipelineVariable, and OutVariable. For more information, see About CommonParameters (http://go.microsoft.com/fwlink/?LinkID=113216).					

NOTE: For more information, type "`Get-Help Set-DRAServiceAccount -detailed`". For technical information, type "`Get-Help Set-DRAServiceAccount -full`".

Example 25-9 *1*

```
PS C:\>Set-DRAServiceAccount -Domain MyDomain.corp -Identifier "GMSA123" -
Properties @{DisplayName="gMSA123";Description="updated description"}
```

This example updates the display name and description of the gMSA named GMSA123 in the MyDomain.corp domain. The `Identifier` parameter specifies the name of the gMSA.

Example 25-10 *2*

```
PS C:\>Set-DRAServiceAccount -Domain MyDomain.corp -Identifier
"CN=GMSA123,CN=Managed Service Accounts,DC=MyDomain,DC=corp"
-Properties
@{PrincipalsAllowedToRetrieveManagedPassword="CN=COMPUTER123,OU=Accounting
,DC=MyDomain,DC=corp";PrincipalsAllowedToDelega
teToAccount="CN=George,CN=Users,DC=MYDOMAIN,DC=corp","CN=USER123,OU=Accoun
ting,DC=MyDomain,DC=corp"}
```

This example updates the computer account that is specified in the `PrincipalsAllowedToRetrieveManagedPassword` property and the user accounts that are specified in the `PrincipalsAllowedToDelegateToAccount` property for the gMSA named GMSA123 in the MyDomain.corp domain. Multi-valued properties must be separated by a comma and enclosed in escaped quotation marks.

26 Session Commands

This section contains Help information for cmdlets you can execute for computer session objects.

- "Get-DRASession" on page 637
- "Remove-DRASession" on page 641

- "Get-DRASession" on page 637
- "Remove-DRASession" on page 641

Get-DRASession

Synopsis

Lists the properties of a computer's session object(s).

Syntax

```
Get-DRASession -Domain <String> -Identity <String> [-Name <String>] [-
ContainerDN <String>] [-EnforceServerLimit <SwitchParameter>] [-
IncludeChildContainers <SwitchParameter>] [-ObjectsPerResponse <Int32>] [-
ResumeString <String>] [-Attributes <String[]>] [-DRARestServer <String>]
[-DRARestPort <Int32>] [-IgnoreCertificateErrors <SwitchParameter>] [-
Force <SwitchParameter>] [-Timeout <Int32>] [<CommonParameters>]
```

Description

Specify the target computer using the distinguishedName. The Get-DRASession cmdlet returns a list of the session objects. When -Name is specified, returns a list of the session object's properties.

Parameters

Attribute / Description	Parameters / Values				
	Required	**Position**	**Default Value**	**Accept Pipeline input?**	**Accept wildcard characters?**
Domain <String>	true	named		false	false
The domain of the object in FQDN format. For example: `mydomain.corp`					

Attribute / Description	Parameters / Values				
	Required	**Position**	**Default Value**	**Accept Pipeline input?**	**Accept wildcard characters?**
Identity [<String>] The distinguished name of an existing computer object. For example: `CN=COMPUTER123,CN=Computers,DC=DRDOM123,DC=com`	true	named		true (ByPropertyName)	false
Name [<String>] The Name parameter specifies the name of a computer resource. For example, "MyShare" for a file share, "MCSAdminSvc" for a service or, "Application" for an event log.	false	named		true (ByPropertyName)	false
ContainerDN [<String>] The full path to the container to search in distinguished name format. For example: `-ContainerDN "OU=Accounting,DC=MyDomain,DC=corp"`	false	named		false	false
EnforceServerLimit [<SwitchParameter>] A switch parameter to indicate that the search results should be limited by the search result limit on the DRA Server. The typical server limit is 1000 items. The default is true.	false	named		false	false
IncludeChildContainers [<SwitchParameter>] A switch parameter to request that the search include child containers. The default is false: only the container named in the ContainerDN parameter is searched.	false	named		false	false
ObjectsPerResponse [<Nullable`1>] The number of objects to return in a response. The default is 250.	false	named		false	false

Attribute / Description	Parameters / Values				
	Required	**Position**	**Default Value**	**Accept Pipeline input?**	**Accept wildcard characters?**
ResumeString [<String>] When multiple responses are needed to return all of the search results to the client, this parameter indicates the last item returned from the server. The value of this parameter would be set using the ResumeString property from the previous set of results. The ResumeString may look like this: `"CN=MYUser160,CN=Users, DC=MyDomain,DC=corp"` The `EnforceServerLimit`, `ObjectsPerResponse`, and `ResumeString` parameters are applicable only if the `Identifier` parameter is not specified.	false	named		false	false
Attributes [<String[]>] An array of attributes to retrieve specific values. If this parameter is missing, a default list of properties is returned.	false	named		true (ByPropertyName)	false
DRARestServer [<String>] The name of the computer running the DRA REST Service. The requested DRA operation will be sent to the REST Service running on the specified computer. If this parameter is not specified, then the cmdlet will attempt to discover a DRA REST Service to use.	false	named		true (ByPropertyName)	false
DRARestPort [<Int32>] The port number of the DRA REST Service. This parameter is only used when the DRARestServer parameter is also specified. If the DRARestServer parameter is specified but the DRARestPort is not, 8755 will be used as the default REST port.	false	named	8755	true (ByPropertyName)	false

Attribute / Description	Parameters / Values				
	Required	**Position**	**Default Value**	**Accept Pipeline input?**	**Accept wildcard characters?**
IgnoreCertificateErrors [<SwitchParameter>] Allows the request to bypass any SSL certificate errors, such as the InvalidOperation error that occurs when the REST Service is bound to a self-signed certificate.	false	named		false	false
Force [<SwitchParameter>] Suppresses any request for user input and supplies a 'yes' response. For example: -Force with a delete request will perform the delete without presenting the confirmation request to the user.	false	named		false	false
Timeout [<Int32>] The number of seconds to wait before the request to the DRA REST server times out. To specify an infinite timeout, you can set this parameter to -1. ***<CommonParameters>*** Verbose, Debug, ErrorAction, ErrorVariable, WarningAction, WarningVariable, OutBuffer, PipelineVariable, and OutVariable. For more information, see About CommonParameters (http://go.microsoft.com/fwlink/?LinkID=113216).	false	named	100 seconds	true (ByPropertyName)	false

NOTE: For more information, type "`Get-Help Get-DRASession -detailed`". For technical information, type "`Get-Help Get-DRASession -full`".

Example 26-1 *1*

```
PS C:\>Get-DRASession -Domain MyDomain.corp -Identity
"CN=COMPUTER123,CN=Computers,DC=MyDomain,DC=corp"
```

This command example returns a list of session objects that belong to the computer named COMPUTER123 in MyDomain.corp.

***Example 26-2** 2*

```
PS C:\>Get-DRASession -Domain MyDomain.corp -Identity
"CN=COMPUTER123,CN=Computers,DC=MyDomain,DC=corp" -Name "MySession"
```

This command example returns a list of MySession properties on the computer COMPUTER123 in MyDomain.corp.

Remove-DRASession

Synopsis

Removes a session object.

Syntax

```
Remove-DRASession -Domain <String> -Identifier <String> [-DRARestServer
<String>] [-DRARestPort <Int32>] [-IgnoreCertificateErrors
<SwitchParameter>] [-Force <SwitchParameter>] [-Timeout <Int32>]
[<CommonParameters>]
```

Description

The Remove-DRASession cmdlet removes the requested session. The requesting user must have the Modify WTS Session Properties power.

Parameters

Attribute / Description	Parameters / Values				
	Required	**Position**	**Default Value**	**Accept Pipeline input?**	**Accept wildcard characters?**
Identifier [<String>] The name or distinguished name of an existing Active Directory object. When the name is specified, an additional call to the DRA Server is needed to obtain the distinguished name for the object.	true	named		true (ByPropertyName)	false
Domain <String> The domain of the object in FQDN format. For example: `mydomain.corp`	true	named		true (ByPropertyName)	false

Attribute / Description	Parameters / Values				
	Required	**Position**	**Default Value**	**Accept Pipeline input?**	**Accept wildcard characters?**
DRARestServer [<String>] The name of the computer running the DRA REST Service. The requested DRA operation will be sent to the REST Service running on the specified computer. If this parameter is not specified, then the cmdlet will attempt to discover a DRA REST Service to use.	false	named		true (ByPropertyName)	false
DRARestPort [<Int32>] The port number of the DRA REST Service. This parameter is only used when the DRARestServer parameter is also specified. If the DRARestServer parameter is specified but the DRARestPort is not, 8755 will be used as the default REST port.	false	named	8755	true (ByPropertyName)	false
IgnoreCertificateErrors [<SwitchParameter>] Allows the request to bypass any SSL certificate errors, such as the InvalidOperation error that occurs when the REST Service is bound to a self-signed certificate.	false	named		false	false
Force [<SwitchParameter>] Suppresses any request for user input and supplies a 'yes' response. For example: -Force with a delete request will perform the delete without presenting the confirmation request to the user.	false	named		false	false
Timeout [<Int32>] The number of seconds to wait before the request to the DRA REST server times out. To specify an infinite timeout, you can set this parameter to -1.	false	named	100 seconds	true (ByPropertyName)	false

Attribute / Description	Parameters / Values				
	Required	**Position**	**Default Value**	**Accept Pipeline input?**	**Accept wildcard characters?**
<CommonParameters> Verbose, Debug, ErrorAction, ErrorVariable, WarningAction, WarningVariable, OutBuffer, PipelineVariable, and OutVariable. For more information, see About CommonParameters (http://go.microsoft.com/fwlink/?LinkID=113216).					

NOTE: For more information, type "`Get-Help Remove-DRASession -detailed`". For technical information, type "`Get-Help Remove-DRASession -full`".

Example 26-3 *1*

```
PS C:\>Remove-DRASession -Domain MyDomain.corp -Identifier
"CN=MySession,CN=COMPUTER123,CN=Computers,DC=MyDomain,DC=corp"
```

This command example removes the session named MySession. The identifier contains the distinguished name for the session.

27 Share Commands

This section contains Help information for cmdlets you can execute for the objects that are shared.

- "Copy-DRAShare" on page 645
- "Get-DRAShare" on page 648
- "New-DRAShare" on page 652
- "Remove-DRAShare" on page 655
- "Set-DRAShare" on page 658

- "Copy-DRAShare" on page 645
- "Get-DRAShare" on page 648
- "New-DRAShare" on page 652
- "Remove-DRAShare" on page 655
- "Set-DRAShare" on page 658

Copy-DRAShare

Synopsis

Copies an existing share's properties to a new share.

Syntax

```
Copy-DRAShare -Domain <String> -Container <String> -Properties <Hashtable>
-Identifier <String> [-DRARestServer <String>] [-DRARestPort <Int32>] [-
IgnoreCertificateErrors <SwitchParameter>] [-Force <SwitchParameter>] [-
Timeout <Int32>] [<CommonParameters>]
```

Description

The Copy-DRAShare cmdlet copies an existing share's properties to a new share. The values provided in the -Properties parameter will overwrite the values provided by the existing share. You must supply the new share's NetName and Path properties. See the New-DRAShare cmdlet for examples of how to define the new share. The response contains the string generated by the server.

Parameters

Attribute / Description	Parameters / Values				
	Required	**Position**	**Default Value**	**Accept Pipeline input?**	**Accept wildcard characters?**
Container <String> The distinguished name of an existing Active Directory object.	true	named		true (ByPropertyName)	false
Properties <Hashtable> A hashtable of property values. The key is the name of a defined attribute in the REST interface. For example: `-Properties @{Attribute1DRADisplayName="my value"; Attribute2DRADisplayName=value}` Multiple values are specified as a comma-separated list. For example: `-Properties @{Attribute1DRADisplayName=value1, value2}` If the property name contains non-alphanumeric characters it needs to be quoted. For example: `-Properties @{"Attribute1-DRA-DisplayName"=value}` If the property value contains a quote it needs to be escaped with a backtick (`).  For example: `-Properties @{Attribute1DRADisplayName="`"sample`" value"}`	true	named		true (ByPropertyName)	false
Identifier [<String>] The name or distinguished name of an existing Active Directory object. When the name is specified, an additional call to the DRA Server is needed to obtain the distinguished name for the object.	true	named		true (ByPropertyName)	false

Attribute / Description	Parameters / Values				
	Required	**Position**	**Default Value**	**Accept Pipeline input?**	**Accept wildcard characters?**
Domain [<String>] The domain of the object in FQDN format. For example: `mydomain.corp`	false	named		true (ByPropertyName)	false
DRARestServer [<String>] The name of the computer running the DRA REST Service. The requested DRA operation will be sent to the REST Service running on the specified computer. If this parameter is not specified, then the cmdlet will attempt to discover a DRA REST Service to use.	false	named		true (ByPropertyName)	false
DRARestPort [<Int32>] The port number of the DRA REST Service. This parameter is only used when the DRARestServer parameter is also specified. If the DRARestServer parameter is specified but the DRARestPort is not, 8755 will be used as the default REST port.	false	named	8755	true (ByPropertyName)	false
IgnoreCertificateErrors [<SwitchParameter>] Allows the request to bypass any SSL certificate errors, such as the InvalidOperation error that occurs when the REST Service is bound to a self-signed certificate.	false	named		false	false
Force [<SwitchParameter>] Suppresses any request for user input and supplies a 'yes' response. For example: -Force with a delete request will perform the delete without presenting the confirmation request to the user.	false	named		false	false

Attribute / Description	Parameters / Values				
	Required	**Position**	**Default Value**	**Accept Pipeline input?**	**Accept wildcard characters?**
Timeout [<Int32>] The number of seconds to wait before the request to the DRA REST server times out. To specify an infinite timeout, you can set this parameter to -1.	false	named	100 seconds	true (ByPropertyName)	false
<CommonParameters> Verbose, Debug, ErrorAction, ErrorVariable, WarningAction, WarningVariable, OutBuffer, PipelineVariable, and OutVariable. For more information, see About CommonParameters (http://go.microsoft.com/fwlink/?LinkID=113216).					

NOTE: For more information, type "`Get-Help Copy-DRAShare -detailed`". For technical information, type "`Get-Help Copy-DRAShare -full`".

Example 27-1 *1*

```
PS C:\>Copy-DRAShare -Identifier
"CN=MyShare,CN=COMPUTER123,CN=Computers,DC=MyDomain,DC=corp"  -Container
"CN=COMPUTER234,CN=Computers,DC=drdom555,DC=com" -Properties
@{NetName="NewMyShare";Path="C:\NewMyShare"} -domain MyDomain.corp
```

This command example will copy the properties of share named MyShare from the COMPUTER123 in MyDomain.corp to a new share named NewMyShare on the computer COMPUTER234 in MyDomain.corp. The properties of NewMyShare will be the same as the properties of MyShare except the NetName and Path properties.

Get-DRAShare

Synopsis

Lists the properties of a computer's share object(s).

Syntax

```
Get-DRAShare -Domain <String> -Identity <String> [-Name <String>] [-
ContainerDN <String>] [-EnforceServerLimit <SwitchParameter>] [-
IncludeChildContainers <SwitchParameter>] [-ObjectsPerResponse <Int32>] [-
ResumeString <String>] [-Attributes <String[]>] [-DRARestServer <String>]
[-DRARestPort <Int32>] [-IgnoreCertificateErrors <SwitchParameter>] [-
Force <SwitchParameter>] [-Timeout <Int32>] [<CommonParameters>]
```

Description

Specify the target computer using the distinguishedName. The Get-DRAShare cmdlet returns a list of the share objects. When -Name is specified, returns a list of the share's properties.

Parameters

Attribute / Description	Parameters / Values				
	Required	**Position**	**Default Value**	**Accept Pipeline input?**	**Accept wildcard characters?**
Domain <String> The domain of the object in FQDN format. For example: `mydomain.corp`	true	named		false	false
Identity [<String>] The distinguished name of an existing computer object. For example: `CN=COMPUTER123,CN=Computers,DC=DRDOM123,DC=com`	false	named		true (ByPropertyName)	false
Name [<String>] The Name parameter specifies the name of a computer resource. For example, "MyShare" for a file share, "MCSAdminSvc" for a service or, "Application" for an event log.	false	named		true (ByPropertyName)	false
ContainerDN [<String>] The full path to the container to search in distinguished name format. For example: `-ContainerDN "OU=Accounting,DC=MyDomain,DC=corp"`	false	named		false	false

Attribute / Description	Parameters / Values				
	Required	**Position**	**Default Value**	**Accept Pipeline input?**	**Accept wildcard characters?**
EnforceServerLimit [<SwitchParameter>] A switch parameter to indicate that the search results should be limited by the search result limit on the DRA Server. The typical server limit is 1000 items. The default is true.	false	named		false	false
IncludeChildContainers [<SwitchParameter>] A switch parameter to request that the search include child containers. The default is false: only the container named in the ContainerDN parameter is searched.	false	named		false	false
ObjectsPerResponse [<Nullable`1>] The number of objects to return in a response. The default is 250.	false	named		false	false
ResumeString [<String>] When multiple responses are needed to return all of the search results to the client, this parameter indicates the last item returned from the server. The value of this parameter would be set using the ResumeString property from the previous set of results. The ResumeString may look like this: `"CN=MYUser160,CN=Users, DC=MyDomain,DC=corp"` The `EnforceServerLimit`, `ObjectsPerResponse`, and `ResumeString` parameters are applicable only when the `Identifier` parameter is not specified.	false	named		false	false

Attribute / Description	Parameters / Values				
	Required	**Position**	**Default Value**	**Accept Pipeline input?**	**Accept wildcard characters?**
Attributes [<String[]>] An array of attributes to retrieve specific values. If this parameter is missing, a default list of properties is returned.	false	named		true (ByPropertyName)	false
DRARestServer [<String>] The name of the computer running the DRA REST Service. The requested DRA operation will be sent to the REST Service running on the specified computer. If this parameter is not specified, then the cmdlet will attempt to discover a DRA REST Service to use.	false	named		true (ByPropertyName)	false
DRARestPort [<Int32>] The port number of the DRA REST Service. This parameter is only used when the DRARestServer parameter is also specified. If the DRARestServer parameter is specified but the DRARestPort is not, 8755 will be used as the default REST port.	false	named	8755	true (ByPropertyName)	false
IgnoreCertificateErrors [<SwitchParameter>] Allows the request to bypass any SSL certificate errors, such as the InvalidOperation error that occurs when the REST Service is bound to a self-signed certificate.	false	named		false	false
Force [<SwitchParameter>] Suppresses any request for user input and supplies a 'yes' response. For example: -Force with a delete request will perform the delete without presenting the confirmation request to the user.	false	named		false	false

Attribute / Description	Parameters / Values				
	Required	**Position**	**Default Value**	**Accept Pipeline input?**	**Accept wildcard characters?**
Timeout [<Int32>] The number of seconds to wait before the request to the DRA REST server times out. To specify an infinite timeout, you can set this parameter to -1.	false	named	100 seconds	true (ByPropertyName)	false
<CommonParameters> Verbose, Debug, ErrorAction, ErrorVariable, WarningAction, WarningVariable, OutBuffer, PipelineVariable, and OutVariable. For more information, see About CommonParameters (http://go.microsoft.com/fwlink/?LinkID=113216).					

NOTE: For more information, type "`Get-Help Get-DRAShare -detailed`". For technical information, type "`Get-Help Get-DRAShare -full`".

Example 27-2 *1*

```
PS C:\>Get-DRAShare -Domain MyDomain.corp -Identity
"CN=COMPUTER123,CN=Computers,DC=MyDomain,DC=corp"
```

This command example returns a list of share objects that belong to the computer named COMPUTER123 in MyDomain.corp.

Example 27-3 *2*

```
PS C:\>Get-DRAShare -Domain MyDomain.corp -Identity
"CN=COMPUTER123,CN=Computers,DC=MyDomain,DC=corp" -Name "MyShare"
```

This command example returns a list of MyShare properties on the computer COMPUTER123 in MyDomain.corp.

New-DRAShare

Synopsis

Adds a new share object to a computer

Syntax

```
New-DRAShare -Domain <String> -Properties <Hashtable> -Identifier <String>
[-DRARestServer <String>] [-DRARestPort <Int32>] [-IgnoreCertificateErrors
<SwitchParameter>] [-Force <SwitchParameter>] [-Timeout <Int32>]
[<CommonParameters>]
```

Description

The New-DRAShare cmdlet adds a share object to a computer. The requesting user must have the Create Share power. To see the complete list of available properties, perform a Get-Member command on the object returned from any DRAShare command.

Parameters

Attribute / Description	Parameters / Values				
	Required	**Position**	**Default Value**	**Accept Pipeline input?**	**Accept wildcard characters?**
Properties <Hashtable> A hashtable of property values. The key is the name of a defined attribute in the REST interface. For example: `-Properties @{Attribute1DRADisplayName="my value"; Attribute2DRADisplayName=value}` Multiple values are specified as a comma-separated list. For example: `-Properties @{Attribute1DRADisplayName=value1, value2}` If the property name contains non-alphanumeric characters it needs to be quoted. For example: `-Properties @{"Attribute1-DRA-DisplayName"=value}` If the property value contains a quote it needs to be escaped with a backtick (`).  For example: `-Properties @{Attribute1DRADisplayName="`"sample`" value"}`	true	named		true (ByPropertyName)	false

Attribute / Description	Parameters / Values				
	Required	**Position**	**Default Value**	**Accept Pipeline input?**	**Accept wildcard characters?**
Identifier <String> The name or distinguished name of an existing Active Directory object. When the name is specified, an additional call to the DRA Server is needed to obtain the distinguished name for the object.	true	named		true (ByPropertyName)	false
Domain <String> The domain of the object in FQDN format. For example: `mydomain.corp`	true	named		true (ByPropertyName)	false
DRARestServer [<String>] The name of the computer running the DRA REST Service. The requested DRA operation will be sent to the REST Service running on the specified computer. If this parameter is not specified, then the cmdlet will attempt to discover a DRA REST Service to use.	false	named		true (ByPropertyName)	false
DRARestPort [<Int>] The port number of the DRA REST Service. This parameter is only used when the DRARestServer parameter is also specified. If the DRARestServer parameter is specified but the DRARestPort is not, 8755 will be used as the default REST port.	false	named	8755	true (ByPropertyName)	false
IgnoreCertificateErrors [<SwitchParameter>] Allows the request to bypass any SSL certificate errors, such as the InvalidOperation error that occurs when the REST Service is bound to a self-signed certificate.	false	named		false	false

Attribute / Description	Parameters / Values				
	Required	**Position**	**Default Value**	**Accept Pipeline input?**	**Accept wildcard characters?**
Force [<SwitchParameter>] Suppresses any request for user input and supplies a 'yes' response. For example: -Force with a delete request will perform the delete without presenting the confirmation request to the user.	false	named		false	false
Timeout [<Int32>] The number of seconds to wait before the request to the DRA REST server times out. To specify an infinite timeout, you can set this parameter to -1.	false	named	100 seconds	true (ByPropertyName)	false
<CommonParameters> Verbose, Debug, ErrorAction, ErrorVariable, WarningAction, WarningVariable, OutBuffer, PipelineVariable, and OutVariable. For more information, see About CommonParameters (http://go.microsoft.com/fwlink/?LinkID=113216).					

NOTE: For more information, type "`Get-Help New-DRAShare -detailed`". For technical information, type "`Get-Help New-DRAShare -full`".

Example 27-4 *1*

```
PS C:\>New-DRAShare -Domain MyDomain.corp -Identifier
"CN=COMPUTER123,CN=Computers,DC=MyDomain,DC=corp" -Properties
@{MaxUsers=99;NetName="MyShare";Path="C:\MyShare";Remark="Comment for
MyShare";Type="0"}
```

This command example creates a share named MyShare for COMPUTER123. NetName and Path are required properties.

Remove-DRAShare

Synopsis

Removes a share object.

Syntax

```
Remove-DRAShare -Domain <String> -Identifier <String> [-DRARestServer
<String>] [-DRARestPort <Int32>] [-IgnoreCertificateErrors
<SwitchParameter>] [-Force <SwitchParameter>] [-Timeout <Int32>]
[<CommonParameters>]
```

Description

The Remove-DRAShare cmdlet deletes the requested share. The requesting user must have the Delete Share power.

Parameters

Attribute / Description	Parameters / Values				
	Required	**Position**	**Default Value**	**Accept Pipeline input?**	**Accept wildcard characters?**
Identifier [<String>] The name or distinguished name of an existing Active Directory object. When the name is specified, an additional call to the DRA Server is needed to obtain the distinguished name for the object.	true	named		true (ByPropertyName)	false
Domain <String> The domain of the object in FQDN format. For example: `mydomain.corp`	true	named		true (ByPropertyName)	false
DRARestServer [<String>] The name of the computer running the DRA REST Service. The requested DRA operation will be sent to the REST Service running on the specified computer. If this parameter is not specified, then the cmdlet will attempt to discover a DRA REST Service to use.	false	named		true (ByPropertyName)	false

Attribute / Description	Parameters / Values				
	Required	**Position**	**Default Value**	**Accept Pipeline input?**	**Accept wildcard characters?**
DRARestPort [<Int32>] The port number of the DRA REST Service. This parameter is only used when the DRARestServer parameter is also specified. If the DRARestServer parameter is specified but the DRARestPort is not, 8755 will be used as the default REST port.	false	named	8755	true (ByPropertyName)	false
IgnoreCertificateErrors [<SwitchParameter>] Allows the request to bypass any SSL certificate errors, such as the InvalidOperation error that occurs when the REST Service is bound to a self-signed certificate.	false	named		false	false
Force [<SwitchParameter>] Suppresses any request for user input and supplies a 'yes' response. For example: -Force with a delete request will perform the delete without presenting the confirmation request to the user.	false	named		false	false
Timeout [<Int32>] The number of seconds to wait before the request to the DRA REST server times out. To specify an infinite timeout, you can set this parameter to -1. ***<CommonParameters>*** Verbose, Debug, ErrorAction, ErrorVariable, WarningAction, WarningVariable, OutBuffer, PipelineVariable, and OutVariable. For more information, see About CommonParameters (http://go.microsoft.com/fwlink/?LinkID=113216).	false	named	100 seconds	true (ByPropertyName)	false

NOTE: For more information, type "`Get-Help Remove-DRAShare -detailed`". For technical information, type "`Get-Help Remove-DRAShare -full`".

Example 27-5 *1*

```
PS C:\>Remove-DRAShare -Domain MyDomain.corp -Identifier
"CN=MyShare,CN=COMPUTER123,CN=Computers,DC=MyDomain,DC=corp"
```

This command example deletes the share named MyShare. The identifier contains the distinguished name for the share.

Set-DRAShare

Synopsis

Updates the properties of the computer share specified by the Identifier parameter.

Syntax

```
Set-DRAShare -Domain <String> -Properties <Hashtable> -Identifier <String>
[-DRARestServer <String>] [-DRARestPort <Int32>] [-IgnoreCertificateErrors
<SwitchParameter>] [-Force <SwitchParameter>] [-Timeout <Int32>]
[<CommonParameters>]
```

Description

The Set-DRAShare cmdlet modifies the requested share object to a computer. The requesting share must have Modify Share powers for each of the properties sent in the request.

Parameters

Attribute / Description	Parameters / Values				
	Required	**Position**	**Default Value**	**Accept Pipeline input?**	**Accept wildcard characters?**
Properties <Hashtable> A hashtable of property values. The key is the name of a defined attribute in the REST interface. For example: `-Properties @{Attribute1DRADisplayName="my value"; Attribute2DRADisplayName=value}` Multiple values are specified as a comma-separated list. For example: `-Properties @{Attribute1DRADisplayName=value1, value2}` If the property name contains non-alphanumeric characters it needs to be quoted. For example: `-Properties @{"Attribute1-DRA-DisplayName"=value}` If the property value contains a quote it needs to be escaped with a backtick (`).  For example: `-Properties @{Attribute1DRADisplayName="`"sample`" value"}`	true	named		true (ByPropertyName)	false
Identifier [<String>] The name or distinguished name of an existing Active Directory object. When the name is specified, an additional call to the DRA Server is needed to obtain the distinguished name for the object.	true	named		true (ByPropertyName)	false
Domain <String> The domain of the object in FQDN format. For example: `mydomain.corp`	true	named		true (ByPropertyName)	false

Attribute / Description	Parameters / Values				
	Required	**Position**	**Default Value**	**Accept Pipeline input?**	**Accept wildcard characters?**
DRARestServer [<String>] The name of the computer running the DRA REST Service. The requested DRA operation will be sent to the REST Service running on the specified computer. If this parameter is not specified, then the cmdlet will attempt to discover a DRA REST Service to use.	false	named		true (ByPropertyName)	false
DRARestPort [<Int32>] The port number of the DRA REST Service. This parameter is only used when the DRARestServer parameter is also specified. If the DRARestServer parameter is specified but the DRARestPort is not, 8755 will be used as the default REST port.	false	named	8755	true (ByPropertyName)	false
IgnoreCertificateErrors [<SwitchParameter>] Allows the request to bypass any SSL certificate errors, such as the InvalidOperation error that occurs when the REST Service is bound to a self-signed certificate.	false	named		false	false
Force [<SwitchParameter>] Suppresses any request for user input and supplies a 'yes' response. For example: -Force with a delete request will perform the delete without presenting the confirmation request to the user.	false	named		false	false
Timeout [<Int32>] The number of seconds to wait before the request to the DRA REST server times out. To specify an infinite timeout, you can set this parameter to -1.	false	named	100 seconds	true (ByPropertyName)	false

Attribute / Description	Parameters / Values				
	Required	**Position**	**Default Value**	**Accept Pipeline input?**	**Accept wildcard characters?**
<CommonParameters> Verbose, Debug, ErrorAction, ErrorVariable, WarningAction, WarningVariable, OutBuffer, PipelineVariable, and OutVariable. For more information, see About CommonParameters (http://go.microsoft.com/fwlink/?LinkID=113216).					

NOTE: For more information, type "`Get-Help Set-DRAShare -detailed`". For technical information, type "`Get-Help Set-DRAShare -full`".

Example 27-6 *1*

```
PS C:\>Set-DRAShare  -Domain MyDomain.corp -Identifier
"CN=MyShare,CN=Computer123,CN=Computers,DC=MyDomain,DC=corp" -Properties
@{NetName="MyShare";Path="C:\MyShare";Remark="Comment for MyShare"}
```

This command example updates some properties on the share MyShare in MyDomain.corp. The identifier contains the distinguished name for the share. To see the complete list of available properties, perform a Get-DRAShare command on the object returned from any DRAShare command.

28 Shared Mailbox Commands

This section contains cmdlets you can execute for shared mailbox. These cmdlets apply to on-premises Exchange shared mailbox.

- "Add-DRASharedMailbox" on page 663
- "Copy-DRASharedMailbox" on page 666
- "Get-DRASharedMailbox" on page 670
- "Move-DRASharedMailbox" on page 674
- "Remove-DRASharedMailbox" on page 676
- "Restore-DRASharedMailbox" on page 679
- "Set-DRASharedMailbox" on page 682
- "Add-DRASharedArchiveMailbox" on page 689
- "Remove-DRASharedArchiveMailbox" on page 692

- "Add-DRASharedMailbox" on page 663
- "Copy-DRASharedMailbox" on page 666
- "Get-DRASharedMailbox" on page 670
- "Move-DRASharedMailbox" on page 674
- "Remove-DRASharedMailbox" on page 676
- "Restore-DRASharedMailbox" on page 679
- "Set-DRASharedMailbox" on page 682
- "Add-DRASharedArchiveMailbox" on page 689
- "Remove-DRASharedArchiveMailbox" on page 692

Add-DRASharedMailbox

Synopsis

Adds a shared mailbox to an Active Directory domain.

Syntax

```
Add-DRASharedMailbox -Properties <Hashtable> -Domain <String> [-
DRARestServer <String>] [-DRARestPort <Int32>] [-IgnoreCertificateErrors
<SwitchParameter>] [-Force <SwitchParameter>] [-Timeout <Int32>]
[<CommonParameters>]
```

Description

The Add-DRASharedMailbox cmdlet adds a shared mailbox to a domain managed by DRA. The requesting user must have the Create Shared Mailbox power. To see the complete list of available properties, perform a Get-Member command on the object returned from any DRASharedMailbox command.

Parameters

Attribute / Description	Parameters / Values				
	Required	**Position**	**Default Value**	**Accept Pipeline input?**	**Accept wildcard characters?**
Properties <Hashtable> A hashtable of property values. The key is the name of a defined attribute in the REST interface. For example: `-Properties @{Attribute1DRADisplayName="my value"; Attribute2DRADisplayName=value}` Multiple values are specified as a comma-separated list. For example: `-Properties @{Attribute1DRADisplayName=value1, value2}` If the property name contains non-alphanumeric characters it needs to be quoted. For example: `-Properties @{"Attribute1-DRA-DisplayName"=value}` If the property value contains a quote it needs to be escaped with a backtick (`).  For example: `-Properties @{Attribute1DRADisplayName="`"sample`" value"}`	true	named		true (ByPropertyName)	false
Domain [<String>] The domain of the object in FQDN format. For example: `mydomain.corp`	true	named		true (ByPropertyName)	false

Attribute / Description	Parameters / Values				
	Required	**Position**	**Default Value**	**Accept Pipeline input?**	**Accept wildcard characters?**
DRARestServer [<String>] The name of the computer running the DRA REST Service. The requested DRA operation will be sent to the REST Service running on the specified computer. If this parameter is not specified, then the cmdlet will attempt to discover a DRA REST Service to use.	false	named		true (ByPropertyName)	false
DRARestPort [<Int32>] The port number of the DRA REST Service. This parameter is only used when the DRARestServer parameter is also specified. If the DRARestServer parameter is specified but the DRARestPort is not, 8755 will be used as the default REST port.	false	named	8755	true (ByPropertyName)	false
IgnoreCertificateErrors [<SwitchParameter>] Allows the request to bypass any SSL certificate errors, such as the InvalidOperation error that occurs when the REST Service is bound to a self-signed certificate.	false	named		false	false
Force [<SwitchParameter>] Suppresses any request for user input and supplies a 'yes' response. For example: -Force with a delete request will perform the delete without presenting the confirmation request to the user.	false	named		false	false
Timeout [<Int32>] The number of seconds to wait before the request to the DRA REST server times out. To specify an infinite timeout, you can set this parameter to -1.	false	named	100 seconds	true (ByPropertyName)	false

Attribute / Description	Parameters / Values				
	Required	Position	Default Value	Accept Pipeline input?	Accept wildcard characters?
<CommonParameters> Verbose, Debug, ErrorAction, ErrorVariable, WarningAction, WarningVariable, OutBuffer, PipelineVariable, and OutVariable. For more information, see About CommonParameters (http://go.microsoft.com/fwlink/?LinkID=113216).					

NOTE: For more information, type "`Get-Help Add-DRASharedMailbox -detailed`". For technical information, type "`Get-Help Add-DRASharedMailbox -full`".

Example 28-1 *1*

```
PS C:\>Add-DRASharedMailbox -Domain MyDomain.corp -Properties @{Name="Tech
Support Shared
Mailbox";Alias="techSupport";Container="OU=TechSupport,DC=MyDomain,DC=corp
";MailboxStore="LDAP://MDOMAIN.CORP/CN=etc."}
```

This example creates a shared mailbox named 'Tech Support Shared Mailbox' in Active Directory using the DRA Name, Alias, and MailboxStore properties. The shared mailbox will be created in the domain MyDomain.corp under the TechSupport OU. There are three properties set on this shared mailbox: Name, Alias and MailboxStore.

Copy-DRASharedMailbox

Synopsis

Copies an existing shared mailbox to a new shared mailbox.

Syntax

```
Copy-DRASharedMailbox -Domain <String> -Properties <Hashtable> -Identifier
<String> [-DRARestServer <String>] [-DRARestPort <Int32>] [-
IgnoreCertificateErrors <SwitchParameter>] [-Force <SwitchParameter>] [-
Timeout <Int32>] [<CommonParameters>]
```

Description

The Copy-DRASharedMailbox cmdlet copies an existing shared mailbox to a new shared mailbox. The values provided in the -Properties parameter will overwrite the values provided by the existing shared mailbox. You must supply the name property to give the new shared mailbox a different name and also supply other required properties, the container, mailboxStore, and mailNickname. The response contains the string generated by the server.

Parameters

Attribute / Description	Parameters / Values				
	Required	**Position**	**Default Value**	**Accept Pipeline input?**	**Accept wildcard characters?**
Properties <Hashtable> A hashtable of property values. The key is the name of a defined attribute in the REST interface. For example: `-Properties @{Attribute1DRADisplayName="my value"; Attribute2DRADisplayName=value}` Multiple values are specified as a comma-separated list. For example: `-Properties @{Attribute1DRADisplayName=value1, value2}` If the property name contains non-alphanumeric characters it needs to be quoted. For example: `-Properties @{"Attribute1-DRA-DisplayName"=value}` If the property value contains a quote it needs to be escaped with a backtick (`).  For example: `-Properties @{Attribute1DRADisplayName="`"sample`" value"}`	true	named		true (ByPropertyName)	false

Attribute / Description	Parameters / Values				
	Required	**Position**	**Default Value**	**Accept Pipeline input?**	**Accept wildcard characters?**
Identifier [<String>] The name or distinguished name of an existing Active Directory object. When the name is specified, an additional call to the DRA Server is needed to obtain the distinguished name for the object.	true	named		true (ByPropertyName)	false
Domain [<String>] The domain of the object in FQDN format. For example: `mydomain.corp`	true	named		true (ByPropertyName)	false
DRARestServer [<String>] The name of the computer running the DRA REST Service. The requested DRA operation will be sent to the REST Service running on the specified computer. If this parameter is not specified, then the cmdlet will attempt to discover a DRA REST Service to use.	false	named		true (ByPropertyName)	false
DRARestPort [<Int32>] The port number of the DRA REST Service. This parameter is only used when the DRARestServer parameter is also specified. If the DRARestServer parameter is specified but the DRARestPort is not, 8755 will be used as the default REST port.	false	named	8755	true (ByPropertyName)	false
IgnoreCertificateErrors [<SwitchParameter>] Allows the request to bypass any SSL certificate errors, such as the InvalidOperation error that occurs when the REST Service is bound to a self-signed certificate.	false	named		false	false

Attribute / Description	Parameters / Values				
	Required	**Position**	**Default Value**	**Accept Pipeline input?**	**Accept wildcard characters?**
Force [<SwitchParameter>] Suppresses any request for user input and supplies a 'yes' response. For example: -Force with a delete request will perform the delete without presenting the confirmation request to the user.	false	named		false	false
Timeout [<Int32>] The number of seconds to wait before the request to the DRA REST server times out. To specify an infinite timeout, you can set this parameter to -1.	false	named	100 seconds	true (ByPropertyName)	false
<CommonParameters> Verbose, Debug, ErrorAction, ErrorVariable, WarningAction, WarningVariable, OutBuffer, PipelineVariable, and OutVariable. For more information, see About CommonParameters (http://go.microsoft.com/fwlink/?LinkID=113216).					

NOTE: For more information, type "`Get-Help Copy-DRASharedMailbox -detailed`". For technical information, type "`Get-Help Copy-DRASharedMailbox -full`".

Example 28-2 *1*

```
PS C:\>Copy-DRASharedMailbox -Identifier
"CN=SMBsource,OU=Accounting,DC=MyDomain,DC=corp" -Properties
@{Name="NewSMB";MailboxStore="LDAP://CN=Mailbox Database
0565232367,CN=Databases,CN=Exchange Administrative Group
(FYDIBOHF23SPDLT),CN=Administrative Groups,CN=First,CN=Microsoft
Exchange,CN=Services,CN=Configuration,DC=MyDomain,DC=corp";MailNickname
"NewSMB";Container="OU=TempCon,DC=MyDomain,DC=CORP"} -domain MyDomain.corp
```

This example will copy the shared mailbox named SMBsource to a new shared mailbox named NewSMB. Except for the name, the properties of NewSMB will be the same as the properties of SMBsource.

Get-DRASharedMailbox

Synopsis

Gets information about the Active Directory shared mailbox account specified by the Identifier parameter.

Syntax

```
Get-DRASharedMailbox -Domain <String> [-IncludeAllVAProperties
<SwitchParameter>] [-Attributes <String[]>] [-PowersForOperations
<String[]>] [-VisiblePropertiesOnly <SwitchParameter>] -Identifier
<String> [-DRARestServer <String>] [-DRARestPort <Int32>] [-
IgnoreCertificateErrors <SwitchParameter>] [-Force <SwitchParameter>] [-
Timeout <Int32>] [<CommonParameters>]
```

Description

The Get-DRASharedMailbox cmdlet returns the properties of the requested on-premises shared mailbox account or an Exchange Online shared mailbox that is associated with an on-premises Active Directory user account managed by DRA. The requesting user must have the View All Shared Mailbox Properties power. You can view the default list of properties or specify specific properties. The default properties of a shared mailbox include: `MailboxType` and `DistinguishedName`.

See the examples for information on how to view specific properties.

Parameters

Attribute / Description	Parameters / Values				
	Required	**Position**	**Default Value**	**Accept Pipeline input?**	**Accept wildcard characters?**
IncludeAllVAProperties [<SwitchParameter>] A flag to indicate whether DRA should return the virtual attributes. If you specify this flag, DRA returns the virtual attributes that the user has powers to view. If you specify the `Attributes` parameter along with this flag, DRA returns the virtual attributes along with the properties specified in the `Attributes` parameter.	false	named		false	false

Attribute / Description	Parameters / Values				
	Required	**Position**	**Default Value**	**Accept Pipeline input?**	**Accept wildcard characters?**
Attributes [<String[]>] An array of attributes to retrieve specific values. If this parameter is missing, a default list of properties is returned.	false	named		true (ByPropertyName)	false
PowersForOperations [<String[]>] An array of DRA operation names for which you want the server to return read/write permission information. This parameter is typically used by a UI-based client to hide or disable elements the calling user doesn't have powers for.	false	named		true (ByPropertyName)	false
VisiblePropertiesOnly [<SwitchParameter>] A flag to indicate whether DRA should return only properties the caller has powers to view. By default DRA will return an error if the caller requests a property that they do not have powers to view, by specifying this flag DRA is instructed to not return an error and instead just not return a value for such properties.	false	named		false	false
Identifier [<String>] The name or distinguished name of an existing Active Directory object. When the name is specified, an additional call to the DRA Server is needed to obtain the distinguished name for the object.	true	named		true (ByPropertyName)	false
Domain [<String>] The domain of the object in FQDN format. For example: `mydomain.corp`	true	named		true (ByPropertyName)	false

Attribute / Description	Parameters / Values				
	Required	**Position**	**Default Value**	**Accept Pipeline input?**	**Accept wildcard characters?**
DRARestPort [<Int32>] The port number of the DRA REST Service. This parameter is only used when the DRARestServer parameter is also specified. If the DRARestServer parameter is specified but the DRARestPort is not, 8755 will be used as the default REST port.	false	named	8755	true (ByPropertyName)	false
IgnoreCertificateErrors [<SwitchParameter>] Allows the request to bypass any SSL certificate errors, such as the InvalidOperation error that occurs when the REST Service is bound to a self-signed certificate.	false	named		false	false
Force [<SwitchParameter>] Suppresses any request for user input and supplies a 'yes' response. For example: -Force with a delete request will perform the delete without presenting the confirmation request to the user.	false	named		false	false
Timeout [<Int32>] The number of seconds to wait before the request to the DRA REST server times out. To specify an infinite timeout, you can set this parameter to -1. ***<CommonParameters>*** Verbose, Debug, ErrorAction, ErrorVariable, WarningAction, WarningVariable, OutBuffer, PipelineVariable, and OutVariable. For more information, see About CommonParameters (http://go.microsoft.com/fwlink/?LinkID=113216).	false	named	100 seconds	true (ByPropertyName)	false

NOTE: For more information, type "`Get-Help Get-DRASharedMailbox -detailed`". For technical information, type "`Get-Help Get-DRASharedMailbox -full`".

Example 28-3 *1*

```
Ps C:\>Get-DRASharedMailbox  -Domain MyDomain.corp -Identifier
"O365SMB_123" -Attributes
"office365DeliverAndForward","office365ForwardingAddress","office365FullAc
cess","office365SendAs"
```

This example requests few of the Office 365 or Exchange Online properties for the Exchange Online shared mailbox O365SMB_123. The Attributes parameter specifies what properties to return. If the Attributes parameter is not specified, a default list of properties is returned.

Example 28-4 *2*

```
PS C:\>Get-DRASharedMailbox -Domain MyDomain.corp -Identifier "SMB_123" -
Attributes
"Description","DisplayName",Mail","MailNickname","DistinguishedName","Frie
ndlyPath","FriendlyParentPath","FriendlyName","IsDisabled","SamAccountName
","TrustedForDelegation","ObjectCategory"
```

This example requests the properties of the shared mailbox named SMB_123 in MyDomain.corp. The Attributes parameter specifies what properties to return. When the Attributes parameter is not present, a default list of properties will be returned.

Example 28-5 *3*

```
PS C:\>Get-DRASharedMailbox -Domain MyDomain.corp -Identifier "SMB_123"
```

This example requests the properties of the shared mailbox named SMB_123 in MyDomain.corp. The identifier shows the name for the shared mailbox. When the name is used, DRA resolves the name to the distinguished name and then requests the properties for the shared mailbox.

Example 28-6 *4*

```
PS C:\>Get-DRASharedMailbox  -Domain MyDomain.corp -Identifier
"CN=SMB_123,OU=Accounting,DC=MyDomain,DC=corp"
```

This example requests the properties of the shared mailbox named SMB_123 in MyDomain.corp. The identifier shows the distinguished name for the Shared mailbox. The returned object will have a default list of properties.

Example 28-7 *5*

```
Get-DRASharedMailbox -Domain MyDomain.corp -Identifier "SMB_123" -
Attributes "Description","DisplayName" -IncludeAllVAProperties
```

This example requests the properties of the shared mailbox named SMB_123 in the "MyDomain.corp" domain. The `Attributes` parameter specifies the properties to return. The `IncludeAllVAProperties` parameter returns all virtual attributes that the assistant administrator has powers to view.

Move-DRASharedMailbox

Synopsis

Moves a shared mailbox from one location in Active Directory to another.

Syntax

```
Move-DRASharedMailbox -Domain <String> -Identifier <String> -
TargetContainer <String> [-DRARestServer <String>] [-DRARestPort <Int32>]
[-IgnoreCertificateErrors <SwitchParameter>] [-Force <SwitchParameter>] [-
Timeout <Int32>] [<CommonParameters>]
```

Description

The Move-DRASharedMailbox cmdlet moves the shared mailbox specified in the `Identifier` parameter to the container specified in the `TargetContainer` parameter. The requesting user must have the Move User to OU power on the target container.

Parameters

Attribute / Description	Parameters / Values				
	Required	**Position**	**Default Value**	**Accept Pipeline input?**	**Accept wildcard characters?**
Identifier <String> The name or distinguished name of an existing shared mailbox.	true	named		true (ByPropertyName)	false
Domain <String> The domain of the object in FQDN format. For example: `mydomain.corp`	true	named		true (ByPropertyName)	false
TargetContainer <String> The full path to the destination container for the object you are moving, in the distinguished name format. For example: -TargetContainer "OU=Accounting,DC=MyDomain, DC=corp”.	true	named		true (ByPropertyName)	false

Attribute / Description	Parameters / Values				
	Required	**Position**	**Default Value**	**Accept Pipeline input?**	**Accept wildcard characters?**
DRARestServer [<String>] The name of the computer running the DRA Rest Service. The requested DRA operation will execute on this server. If the parameter is not specified, the value defaults to 'localhost'.	false	named		true (ByPropertyName)	false
DRARestPort [<Int32>] The port where the DRA REST Service listens for requests. If the parameter is not specified, the value defaults to 8755.	false	named	8755	true (ByPropertyName)	false
IgnoreCertificateErrors [<SwitchParameter>] Allows the request to bypass any SSL certificate errors, such as the InvalidOperation error that occurs when the REST Service is bound to a self-signed certificate.	false	named		false	false
Force [<SwitchParameter>] Suppresses any request for user input and supplies a 'yes' response. For example: -Force with a delete request will perform the delete without presenting the confirmation request to the user.	false	named		false	false
Timeout [<Int32>] The number of seconds to wait before the request to the DRA REST server times out. To specify an infinite timeout, you can set this parameter to -1.	false	named	100 seconds	true (ByPropertyName)	false

Attribute / Description	Parameters / Values				
	Required	Position	Default Value	Accept Pipeline input?	Accept wildcard characters?
<CommonParameters> Verbose, Debug, ErrorAction, ErrorVariable, WarningAction, WarningVariable, OutBuffer, PipelineVariable, and OutVariable. For more information, see About CommonParameters (http://go.microsoft.com/fwlink/?LinkID=113216).					

NOTE: For more information, type "`Get-Help Move-DRASharedMailbox -detailed`". For technical information, type "`Get-Help Move-DRASharedMailbox -full`".

Example 28-8 *1*

```
PS C:\>Move-DRASharedMailbox -Domain MyDomain.corp -Identifier
"CN=SMB100,OU=Payroll,DC=MyDomain,DC=corp" -TargetContainer
"OU=Finance,DC=MyDomain,DC=corp"
```

This example moves the shared mailbox named SMB100 from the container named “Payroll” to the container named “Finance”.

Remove-DRASharedMailbox

Synopsis

Removes the shared mailbox specified by the Identifier parameter.

Syntax

```
Remove-DRASharedMailbox -Domain <String> -Identifier <String> [-
DRARestServer <String>] [-DRARestPort <Int32>] [-IgnoreCertificateErrors
<SwitchParameter>] [-Force <SwitchParameter>] [-Timeout <Int32>]
[<CommonParameters>]
```

Description

The Remove-DRASharedMailbox cmdlet deletes the specified account. The requesting user must have the Delete Shared Mailbox power. If the Recycle Bin is enabled, the specified account is moved to the Recycle Bin.

Parameters

Attribute / Description	Parameters / Values				
	Required	**Position**	**Default Value**	**Accept Pipeline input?**	**Accept wildcard characters?**
Identifier [<String>] The name or distinguished name of an existing Active Directory object. When the name is specified, an additional call to the DRA Server is needed to obtain the distinguished name for the object.	true	named		true (ByPropertyName)	false
Domain [<String>] The domain of the object in FQDN format. For example: `mydomain.corp`	true	named		true (ByPropertyName)	false
DRARestServer [<String>] The name of the computer running the DRA REST Service. The requested DRA operation will execute on this server. If the parameter is not specified, the value defaults to 'localhost'.	false	named		true (ByPropertyName)	false
DRARestPort [<Int32>] The port number of the DRA REST Service. This parameter is only used when the DRARestServer parameter is also specified. If the parameter is not specified, the value defaults to 8755.	false	named	8755	true (ByPropertyName)	false
IgnoreCertificateErrors [<SwitchParameter>] Allows the request to bypass any SSL certificate errors, such as the InvalidOperation error that occurs when the REST Service is bound to a self-signed certificate.	false	named		false	false

Attribute / Description	Parameters / Values				
	Required	**Position**	**Default Value**	**Accept Pipeline input?**	**Accept wildcard characters?**
Force [<SwitchParameter>] Suppresses any request for user input and supplies a 'yes' response. For example: -Force with a delete request will perform the delete without presenting the confirmation request to the user.	false	named		false	false
Timeout [<Int32>] The number of seconds to wait before the request to the DRA REST server times out. To specify an infinite timeout, you can set this parameter to -1.	false	named	100 seconds	true (ByPropertyName)	false
<CommonParameters> Verbose, Debug, ErrorAction, ErrorVariable, WarningAction, WarningVariable, OutBuffer, PipelineVariable, and OutVariable. For more information, see About CommonParameters (http://go.microsoft.com/fwlink/?LinkID=113216).					

NOTE: For more information, type "`Get-Help get-help Remove-DRASharedMailbox -detailed`". For technical information, type "`Get-Help get-help Remove-DRASharedMailbox -full`".

Example 28-9 *1*

```
PS C:\>Remove-DRASharedMailbox  -Domain MyDom.corp -Identifier
"CN=SMB_123,OU=Accounting,DC=MyDomain,DC=corp"
```

This example deletes the shared mailbox named SMB_123 from MyDomain.corp. The identifier contains the distinguished name for the shared mailbox. If the Recycle Bin is enabled, the shared mailbox is moved to the Recycle Bin. Otherwise, it is removed permanently.

Example 28-10 *2*

```
PS C:\>Remove-DRASharedMailbox -Domain MyDom.corp -Identifier
"CN=SMB_X,OU=NetIQRecycleBin,DC=MyDomain,DC=corp"
```

This example deletes the shared mailbox named SMB_X from the DRA Recycle Bin, removing it permanently from Active Directory.

Restore-DRASharedMailbox

Synopsis

Restores the specified shared mailbox from the Recycle Bin.

Syntax

```
Restore-DRASharedMailbox -Domain <String> [-DomainController <String>] [-
RestoreToContainer <String>] -Identifier <String> [-DRARestServer
<String>] [-DRARestPort <Int32>] [-IgnoreCertificateErrors
<SwitchParameter>] [-Force <SwitchParameter>] [-Timeout <Int32>]
[<CommonParameters>]
```

Description

The Restore-DRASharedMailbox cmdlet will restore a previously deleted shared mailbox from the Recycle Bin to its original container or to a new specified container. Supported formats for the identifier are name, friendly name, and distinguished name. If the full path is specified, it must point to the Recycle Bin (NetIQRecycleBin).

Parameters

Attribute / Description	Parameters / Values				
	Required	**Position**	**Default Value**	**Accept Pipeline input?**	**Accept wildcard characters?**
DomainController [<String>] The computer name of a specific domain controller to use for the request.	false	named		true (ByPropertyName)	false
RestoreToContainer [<String>] The distinguished name of the container to which you want to restore the object. If this parameter is not specified, DRA will attempt to restore the object to its original container.	false	named		true (ByPropertyName)	false

Attribute / Description	Parameters / Values				
	Required	**Position**	**Default Value**	**Accept Pipeline input?**	**Accept wildcard characters?**
Identifier [<String>] The name or distinguished name of an existing Active Directory object. When the name is specified, an additional call to the DRA Server is needed to obtain the distinguished name for the object.	true	named		true (ByPropertyName)	false
Domain [<String>] The domain of the object in FQDN format. For example: `mydomain.corp`	true	named		true (ByPropertyName)	false
DRARestServer [<String>] The name of the computer running the DRA REST Service. The requested DRA operation will execute on this server. If the parameter is not specified, the value defaults to 'localhost'.	false	named		true (ByPropertyName)	false
DRARestPort [<Int32>] The port number of the DRA REST Service. This parameter is only used when the DRARestServer parameter is also specified. If the parameter is not specified, the value defaults to 8755.	false	named	8755	true (ByPropertyName)	false
IgnoreCertificateErrors [<SwitchParameter>] Allows the request to bypass any SSL certificate errors, such as the InvalidOperation error that occurs when the REST Service is bound to a self-signed certificate.	false	named		false	false

Attribute / Description	Parameters / Values				
	Required	**Position**	**Default Value**	**Accept Pipeline input?**	**Accept wildcard characters?**
Force [<SwitchParameter>] Suppresses any request for user input and supplies a 'yes' response. For example: -Force with a delete request will perform the delete without presenting the confirmation request to the user.	false	named		false	false
Timeout [<Int32>] The number of seconds to wait before the request to the DRA REST server times out. To specify an infinite timeout, you can set this parameter to -1.	false	named	100 seconds	true (ByPropertyName)	false
<CommonParameters> Verbose, Debug, ErrorAction, ErrorVariable, WarningAction, WarningVariable, OutBuffer, PipelineVariable, and OutVariable. For more information, see About CommonParameters (http://go.microsoft.com/fwlink/?LinkID=113216).					

NOTE: For more information, type "`Get-Help Restore-DRASharedMailbox -detailed`". For technical information, type "`Get-Help Restore-DRASharedMailbox -full`".

Example 28-11 *1*

```
PS C:\>Restore-DRASharedMailbox -Identifier
"CN=MySMB88,OU=NetIQRecycleBin,DC=MyDomain,DC=corp" -Domain MyDom.corp
```

This example will restore a shared mailbox named MySMB88 from the NetIQRecycleBin in MyDom.corp. It will be restored to the container from which it was deleted.

Example 28-12 *2*

```
PS C:\>Restore-DRASharedMailbox -Identifier
"CN=MySMB88,OU=NetIQRecycleBin,DC=MyDomain,DC=corp" -RestoreToContainer
"OU=TempCon,DC=MyDomain,DC=CORP" -domain MyDomain.corp
```

This example will restore a shared mailbox named MySMB88 from the NetIQRecycleBin in MyDomain.corp. It will be restored to the container named TempCon in MyDomain.corp.

Set-DRASharedMailbox

Synopsis

Updates the properties of the shared account specified by the Identifier parameter.

Syntax

```
Set-DRASharedMailbox -Domain <String> [-Properties <Hashtable>] [-Replace
<Hashtable>] [-Add <Hashtable>] [-Remove  <Hashtable>] [-Clear <String[]>]
-Identifier <String> [-DRARestServer <String>] [-DRARestPort <Int32>] [-
IgnoreCertificateErrors <SwitchParameter>] [-Force <SwitchParameter>] [-
Timeout <Int32>] [<CommonParameters>]
```

Description

The Set-DRASharedMailbox cmdlet modifies the properties of the requested on-premises shared mailbox account or an Exchange Online shared mailbox that is associated with an on-premises Active Directory user account managed by DRA. The requesting shared account must have Modify Shared properties powers for each of the properties sent in the request.

NOTE: The Set-DRASharedMailbox cmdlet supports multi-values for the `OtherFacsimileTelephoneNumber, ProxyAddresses, and Urls` attributes.

Parameters

Attribute / Description	Parameters / Values				
	Required	**Position**	**Default Value**	**Accept Pipeline input?**	**Accept wildcard characters?**
Properties <Hashtable> A hashtable of property values. The key is the name of a defined attribute in the REST interface. For example: `-Properties @{Attribute1DRADisplayName="my value"; Attribute2DRADisplayName=value}` Multiple values are specified as a comma-separated list. For example: `-Properties @{Attribute1DRADisplayName=value1, value2}` If the property name contains non-alphanumeric characters it needs to be quoted. For example: `-Properties @{"Attribute1-DRA-DisplayName"=value}` If the property value contains a quote it needs to be escaped with a backtick (`).  For example: `-Properties @{Attribute1DRADisplayName="`"sample`" value"}`	true	named		true (ByPropertyName)	false

Attribute / Description	Parameters / Values				
	Required	**Position**	**Default Value**	**Accept Pipeline input?**	**Accept wildcard characters?**
Replace [<Hashtable>] A Hashtable of property values to replace the current set of values for the specified property. The key is the name of a defined property in the REST interface. For example: `-Replace @{Attribute1DRADisplayName="my value"; Attribute2DRADisplayName=value}` Multiple values are specified as a comma-separated list and will replace currently set values. For example: `-Replace @{Attribute1DRADisplayName=value1, value2}` If the property name contains non-alphanumeric characters it needs to be quoted. For example: `-Replace @{"Attribute1-DRA-DisplayName"=value}` If the property value contains a quote it needs to be escaped with a backtick (`).  For example: `-Replace @{Attribute1DRADisplayName="`"sample`" value"}`	false	named		true (ByPropertyName)	false

Attribute / Description	Parameters / Values				
	Required	**Position**	**Default Value**	**Accept Pipeline input?**	**Accept wildcard characters?**
Add [<Hashtable>] A Hashtable of property values to add to the current set of values for the specified multi-valued property. The key is the name of a defined property in the REST interface. For example: `-Add @{Attribute1DRADisplayName=value; Attribute2DRADisplayName=value1, value2; ...; AttributeNDRADisplayName=value1, value2}` Multiple values are specified as a comma-separated list. For example: `-Add @{Attribute1DRADisplayName=value1, value2}}` If the property name contains non-alphanumeric characters it needs to be quoted. For example: `-Add @{"Attribute1-DRA-DisplayName"=value}` If the property value contains a quote it needs to be escaped with a backtick (`).  For example: `-Add @{Attribute1DRADisplayName="`"sample`" value"}`	false	named		true (ByPropertyName)	false

Attribute / Description	Parameters / Values				
	Required	**Position**	**Default Value**	**Accept Pipeline input?**	**Accept wildcard characters?**
Remove [<Hashtable>] A Hashtable of property values to remove from the current set of values for the specified multi-valued property. The key is the name of a defined property in the REST interface. For example: `-Remove @{Attribute1DRADisplayName=value; Attribute2DRADisplayName=value1, value2; ...; AttributeNDRADisplayName=value1, value2}` Multiple values are specified as a comma-separated list and will be removed from currently set values. For example: `-Remove @{Attribute1DRADisplayName=value1,value2}` If the property name contains non-alphanumeric characters it needs to be quoted. For example: `-Remove @{"Attribute1-DRA-DisplayName"=value}` If the property value contains a quote it needs to be escaped with a backtick (`).  For example: `-Remove @{Attribute1DRADisplayName="`"sample`" value"}`	false	named		true (ByPropertyName)	false

Attribute / Description	Parameters / Values				
	Required	**Position**	**Default Value**	**Accept Pipeline input?**	**Accept wildcard characters?**
Clear [<String>] An array of property names whose values will be cleared. Each name is the name of a defined property in the REST interface. For example: `-Clear "Attribute1-DRA-DisplayName"` Multiple values need to be separated by a comma. For example: `-Clear Attribute1DRADisplayName, Attribute2DRADisplayName`	false	named		true (ByPropertyName)	false
Identifier [<String>] The name or distinguished name of an existing Active Directory object. When the name is specified, an additional call to the DRA Server is needed to obtain the distinguished name for the object.	true	named		true (ByPropertyName)	false
Domain [<String>] The domain of the object in FQDN format. For example: `mydomain.corp`	true	named		true (ByPropertyName)	false
DRARestServer [<String>] The name of the computer running the DRA REST Service. The requested DRA operation will be sent to the REST Service running on the specified computer. If this parameter is not specified, then the cmdlet will attempt to discover a DRA REST Service to use.	false	named		true (ByPropertyName)	false

Attribute / Description	Parameters / Values				
	Required	**Position**	**Default Value**	**Accept Pipeline input?**	**Accept wildcard characters?**
DRARestPort [<Int32>] The port number of the DRA REST Service. This parameter is only used when the DRARestServer parameter is also specified. If the DRARestServer parameter is specified but the DRARestPort is not, 8755 will be used as the default REST port.	false	named	8755	true (ByPropertyName)	false
IgnoreCertificateErrors [<SwitchParameter>] Allows the request to bypass any SSL certificate errors, such as the InvalidOperation error that occurs when the REST Service is bound to a self-signed certificate.	false	named		false	false
Force [<SwitchParameter>] Suppresses any request for user input and supplies a 'yes' response. For example: -Force with a delete request will perform the delete without presenting the confirmation request to the user.	false	named		false	false
Timeout [<Int32>] The number of seconds to wait before the request to the DRA REST server times out. To specify an infinite timeout, you can set this parameter to -1. ***<CommonParameters>*** Verbose, Debug, ErrorAction, ErrorVariable, WarningAction, WarningVariable, OutBuffer, PipelineVariable, and OutVariable. For more information, see About CommonParameters (http://go.microsoft.com/fwlink/?LinkID=113216).	false	named	100 seconds	true (ByPropertyName)	false

NOTE: For more information, type "`Get-Help Set-DRASharedMailbox -detailed`". For technical information, type "`Get-Help Set-DRASharedMailbox -full`".

Example 28-13 *1*

```
PS C:\>Set-DRASharedMailbox -Domain MyDomain.corp -Identifier
"O356SMB_123" -Properties @{office365SendAsRemove="CN=AAA-Alfred
Don1,OU=Tax,DC=MYDOM,DC=CORP","CN=AA TestCase6,OU=Tax,DC=MYDOM,
DC=CORP";office365SendOnBehalfAdd="CN=Eric
Jones,OU=Tax,DC=MYDOM,DC=CORP`","CN=Ron
Jackson,OU=Tax,DC=MYDOM,DC=CORP";office365DeliverAndForward=$true;office36
5ForwardingAddress="CN=Aaron Jackson,OU=Tax,DC=MYDOM,DC=CORP"}
```

This example updates some of the Office 365 or Exchange Online mailbox properties for the Exchange Online shared mailbox O365SMB_123. The request will remove two users from the Send As list and add two different users to the Send On Behalf list. Note that these multi-valued properties must be enclosed in escaped quotation marks and separated by a comma between each value.

Example 28-14 *2*

```
PS C:\>Set-DRASharedMailbox -Domain MyDomain.corp -Identifier "SMB_123" -
Properties
@{Manager=CN=George,CN=Shareds,DC=MYDOMAIN,DC=corp";Description="updated
description";TrustedForDelegation=$true;location="Houston"}
```

This example updates some of the properties of the share SMB_123 in MyDomain.corp. The Identifier specifies the name of the shared account. When the identifier format is the name, DRA resolves the name to the full distinguished name.

Example 28-15 *2*

```
PS C:\>Set-DRASharedMailbox  -Domain MyDomain.corp -Identifier
"CN=SMB_123,OU=Accounting,DC=MyDomain,DC=corp" -Properties
@{Manager="CN=George,CN=Shareds,DC=MYDOMAIN,DC=corp"}
```

This example updates some of the properties of the share SMB_123 in MyDomain.corp. The identifier contains the distinguished name for the shared account. The Manager property is updated. To see the complete list of available properties, perform a Get-Member command on the object returned from any DRAShared command.

Add-DRASharedArchiveMailbox

Synopsis

Creates an archive mailbox for an existing shared mailbox.

Syntax

```
Add-DRASharedArchiveMailbox -Domain <String> -ArchiveMailboxName <String>
-MailboxStore <String> -Identifier <String> [-DRARestServer <String>] [-
DRARestPort <Int32>] [-IgnoreCertificateErrors <SwitchParameter>] [-Force
<SwitchParameter>] [-Timeout <Int32>] [<CommonParameters>]
```

Description

The Add-DRASharedArchiveMailbox cmdlet creates an archive mailbox for an existing shared mailbox. The requesting user must have the Create Exchange Archive Mailbox Only power.

Parameters

Attribute / Description	Parameters / Values				
	Required	**Position**	**Default Value**	**Accept Pipeline input?**	**Accept wildcard characters?**
ArchiveMailboxName <String> The name of the shared archive mailbox.	true	named		false	false
MailboxStore <String> Full path to the Exchange mailbox store. Use the `Get-DRAExchangeStores` command to list available mailbox stores managed by DRA.	true	named		false	false
Identifier <String> The name or distinguished name of an existing shared mailbox.	true	named		true (ByPropertyName)	false
Domain <String> The domain of the object in FQDN format. For example: `mydomain.corp`	true	named		true (ByPropertyName)	false
DRARestServer [<String>] The name of the computer running the DRA Rest Service. The requested DRA operation will execute on this server. If the parameter is not specified, the value defaults to 'localhost'.	false	named		true (ByPropertyName)	false
DRARestPort [<Int32>] The port where the DRA REST Service listens for requests. If the parameter is not specified, the value defaults to 8755.	false	named	8755	true (ByPropertyName)	false

Attribute / Description	Parameters / Values				
	Required	**Position**	**Default Value**	**Accept Pipeline input?**	**Accept wildcard characters?**
IgnoreCertificateErrors [<SwitchParameter>] Allows the request to bypass any SSL certificate errors, such as the InvalidOperation error that occurs when the REST Service is bound to a self-signed certificate.	false	named		false	false
Force [<SwitchParameter>] Suppresses any request for user input and supplies a 'yes' response. For example: -Force with a delete request will perform the delete without presenting the confirmation request to the user.	false	named		false	false
Timeout [<Int32>] The number of seconds to wait before the request to the DRA REST server times out. To specify an infinite timeout, you can set this parameter to -1. ***<CommonParameters>*** Verbose, Debug, ErrorAction, ErrorVariable, WarningAction, WarningVariable, OutBuffer, PipelineVariable, and OutVariable. For more information, see About CommonParameters (http://go.microsoft.com/fwlink/?LinkID=113216).	false	named	100 seconds	true (ByPropertyName)	false

NOTE: For more information, type "`Get-Help Add-DRASharedArchiveMailbox -detailed`". For technical information, type "`Get-Help Add-DRASharedArchiveMailbox -full`".

***Example 28-16** 1*

```
PS C:\>Add-DRASharedArchiveMailbox -Domain MyDomain.corp -Identifier
"CN=SMB100,DC=MyDomain,DC=corp" -ArchiveMailboxName "SMB100Archive" -
MailboxStore "LDAP://Myserver.Mydomain.Corp/CN=Mailbox Database
1879491983,CN=Databases,CN=Exchange Administrative Group
(FYDIBOHF23SPDLT),CN=Administrative Groups,CN=DRA
Organization,CN=Microsoft
Exchange,CN=Services,CN=Configuration,DC=MyDomain,DC=corp"
```

This example creates an archive mailbox named SMB100Archive for the shared mailbox named SMB100 in MyDomain.corp in the mailbox store specified in the MailboxStore parameter.

Remove-DRASharedArchiveMailbox

Synopsis

Deletes an archive mailbox for an existing shared mailbox.

Syntax

```
Remove-DRASharedArchiveMailbox -Domain <String> -Identifier <String> [-
DRARestServer <String>] [-DRARestPort <Int32>] [-IgnoreCertificateErrors
<SwitchParameter>] [-Force <SwitchParameter>] [-Timeout <Int32>]
[<CommonParameters>]
```

Description

The Remove-DRASharedArchiveMailbox cmdlet deletes the archive mailbox for the specified shared mailbox. The requesting user must have the Delete Archive Mailbox power.

Parameters

Attribute / Description	Parameters / Values				
	Required	**Position**	**Default Value**	**Accept Pipeline input?**	**Accept wildcard characters?**
Identifier <String> The name or distinguished name of an existing shared mailbox.	true	named		true (ByPropertyName)	false
Domain <String> The domain of the object in FQDN format. For example: `mydomain.corp`	true	named		true (ByPropertyName)	false

Attribute / Description	Parameters / Values				
	Required	**Position**	**Default Value**	**Accept Pipeline input?**	**Accept wildcard characters?**
DRARestServer [<String>] The name of the computer running the DRA Rest Service. The requested DRA operation will execute on this server. If the parameter is not specified, the value defaults to 'localhost'.	false	named		true (ByPropertyName)	false
DRARestPort [<Int32>] The port where the DRA REST Service listens for requests. If the parameter is not specified, the value defaults to 8755.	false	named	8755	true (ByPropertyName)	false
IgnoreCertificateErrors [<SwitchParameter>] Allows the request to bypass any SSL certificate errors, such as the InvalidOperation error that occurs when the REST Service is bound to a self-signed certificate.	false	named		false	false
Force [<SwitchParameter>] Suppresses any request for user input and supplies a 'yes' response. For example: -Force with a delete request will perform the delete without presenting the confirmation request to the user.	false	named		false	false
Timeout [<Int32>] The number of seconds to wait before the request to the DRA REST server times out. To specify an infinite timeout, you can set this parameter to -1.	false	named	100 seconds	true (ByPropertyName)	false

Attribute / Description	Parameters / Values				
	Required	**Position**	**Default Value**	**Accept Pipeline input?**	**Accept wildcard characters?**
<CommonParameters> Verbose, Debug, ErrorAction, ErrorVariable, WarningAction, WarningVariable, OutBuffer, PipelineVariable, and OutVariable. For more information, see About CommonParameters (http://go.microsoft.com/fwlink/?LinkID=113216).					

NOTE: For more information, type "`Get-Help Remove-DRASharedArchiveMailbox -detailed`". For technical information, type "`Get-Help Remove-DRASharedArchiveMailbox -full`".

Example 28-17 *1*

```
PS C:\>Remove-DRASharedArchiveMailbox -Domain MyDomain.corp -Identifier
"CN=SMB100,DC=MyDomain,DC=corp"
```

This example deletes the archive mailbox for the shared mailbox named SMB100 from MyDomain.corp.

29 Skype for Business Commands

This section contains cmdlets you can execute for Shared Mailbox.

- "Get-DraCsAudioConferencingProvider" on page 695
- "Get-DraCsOnlineUser" on page 697
- "Get-DraCsUserAcp" on page 699
- "Grant-DraCsConferencingPolicy" on page 702
- "Grant-DraCsExternalAccessPolicy" on page 704
- "Set-DraCsUserAcp" on page 707

- "Get-DraCsAudioConferencingProvider" on page 695
- "Get-DraCsOnlineUser" on page 697
- "Get-DraCsUserAcp" on page 699
- "Grant-DraCsConferencingPolicy" on page 702
- "Grant-DraCsExternalAccessPolicy" on page 704
- "Set-DraCsUserAcp" on page 707

Get-DraCsAudioConferencingProvider

Synopsis

Returns information on the audio conferencing providers configured in Skype for Business Online.

Syntax

```
Get-DraCsAudioConferencingProvider -DraIdentity <String> [-DRARestServer
<String>] [-DRARestPort <Int32>] [-IgnoreCertificateErrors
<SwitchParameter>] [-Force <SwitchParameter>] [-Timeout <Int32>]
[<CommonParameters>]
```

Description

The Get-DraCsAudioConferencingProvider cmdlet returns the name and domain for each audio conferencing provider configured in Skype for Business Online. The cmdlet uses the identity of a user licensed for Skype for Business Online to identify the Entra ID tenant managed by DRA and to query for audio conferencing providers.

Parameters

Attribute / Description	Parameters / Values				
	Required	**Position**	**Default Value**	**Accept Pipeline input?**	**Accept wildcard characters?**
DraIdentity <String> The unique identifier of a user licensed for Skype for Business Online. The identity can be specified as the distinguished name, LDAP path, or OnePoint path.	true	named		true (ByPropertyName)	false
DRARestServer [<String>] The name of the computer running the DRA Rest Service. The requested DRA operation will execute on this server. If the parameter is not specified, the value defaults to 'localhost'.	false	named		true (ByPropertyName)	false
DRARestPort [<Int32>] The port where the DRA REST Service listens for requests. If the parameter is not specified, the value defaults to 8755.	false	named	8755	true (ByPropertyName)	false
IgnoreCertificateErrors [<SwitchParameter>] Allows the request to bypass any SSL certificate errors, such as the InvalidOperation error that occurs when the REST Service is bound to a self-signed certificate.	false	named		false	false
Force [<SwitchParameter>] Suppresses any request for user input and supplies a 'yes' response. For example: -Force with a delete request will perform the delete without presenting the confirmation request to the user.	false	named		false	false

Attribute / Description	Parameters / Values				
	Required	**Position**	**Default Value**	**Accept Pipeline input?**	**Accept wildcard characters?**
Timeout [<Int32>] The number of seconds to wait before the request to the DRA REST server times out. To specify an infinite timeout, you can set this parameter to -1. ***<CommonParameters>*** Verbose, Debug, ErrorAction, ErrorVariable, WarningAction, WarningVariable, OutBuffer, PipelineVariable, and OutVariable. For more information, see About CommonParameters (http://go.microsoft.com/fwlink/?LinkID=113216).	false	named	100 seconds	false	false

NOTE: For more information, type "`Get-Help Get-DraCsAudioConferencingProvider -detailed`". For technical information, type "`Get-Help Get-DraCsAudioConferencingProvider -full`".

Example 29-1 *1*

```
PS C:\>Get-DraCsAudioConferencingProvider -DraIdentity "CN=Bob
Jones,OU=Accounting,DC=MyDomain,DC=corp"
```

This example returns the list of audio conferencing providers configured in Skype for Business Online.

Get-DraCsOnlineUser

Synopsis

Gets information about a user that has been licensed for Skype for Business Online.

Syntax

```
Get-DraCsOnlineUser -Domain <String> -Identifier <String> [-DRARestServer
<String>] [-DRARestPort <Int32>] [-IgnoreCertificateErrors
<SwitchParameter>] [-Force <SwitchParameter>] [-Timeout <Int32>]
[<CommonParameters>]
```

Description

The `Get-DraCsOnlineUser` cmdlet returns the Skype for Business Online conferencing policy and external access policy that are configured for a specified user.

Parameters

Attribute / Description	Parameters / Values				
	Required	**Position**	**Default Value**	**Accept Pipeline input?**	**Accept wildcard characters?**
Identifier <String> The name or distinguished name of an existing Active Directory object. When the name is specified, an additional call to the DRA Server is needed to obtain the distinguished name for the object.	true	named		true (ByPropertyName)	false
Domain <String> The domain of the object in fqdn format. For example: `mydomain.corp`	true	named		true (ByPropertyName)	false
DRARestServer [<String>] The name of the computer running the DRA Rest Service. The requested DRA operation will execute on this server. If the parameter is not specified, the value defaults to 'localhost'.	false	named		true (ByPropertyName)	false
DRARestPort [<Int32>] The port where the DRA REST Service listens for requests. If the parameter is not specified, the value defaults to 8755.	false	named	8755	true (ByPropertyName)	false
IgnoreCertificateErrors [<SwitchParameter>] Allows the request to bypass any SSL certificate errors, such as the InvalidOperation error that occurs when the REST Service is bound to a self-signed certificate.	false	named		false	false

Attribute / Description	Parameters / Values				
	Required	**Position**	**Default Value**	**Accept Pipeline input?**	**Accept wildcard characters?**
Force [<SwitchParameter>] Suppresses any request for user input and supplies a 'yes' response. For example: -Force with a delete request will perform the delete without presenting the confirmation request to the user.	false	named		false	false
Timeout [<Int32>] The number of seconds to wait before the request to the DRA REST server times out. To specify an infinite timeout, you can set this parameter to -1.	false	named	100 seconds	false	false
<CommonParameters> Verbose, Debug, ErrorAction, ErrorVariable, WarningAction, WarningVariable, OutBuffer, PipelineVariable, and OutVariable. For more information, see About CommonParameters (http://go.microsoft.com/fwlink/?LinkID=113216).					

NOTE: For more information, type "`Get-Help Get-DraCsOnlineUser -detailed`". For technical information, type "`Get-Help Get-DraCsOnlineUser -full`".

Example 29-2 *1*

```
PS C:\>Get-DraCsOnlineUser -Domain MyDomain.corp -Identifier "CN=Bob
Jones,OU=Accounting,DC=MyDomain,DC=corp"
```

This example returns the Skype for Business Online conferencing policy and external access policy for the user Bob Jones.

Get-DraCsUserAcp

Synopsis

Gets information about the Skype for Business Online audio conferencing provider assigned to a user.

Syntax

```
Get-DraCsUserAcp -Domain <String> -Identifier <String> [-DRARestServer
<String>] [-DRARestPort <Int32>] [-IgnoreCertificateErrors
<SwitchParameter>] [-Force <SwitchParameter>] [-Timeout <Int32>]
[<CommonParameters>]
```

Description

The `Get-DraCsUserAcp` cmdlet returns information on the Skype for Business Online audio conferencing provider that is configured for a specified user.

Parameters

Attribute / Description	Parameters / Values				
	Required	**Position**	**Default Value**	**Accept Pipeline input?**	**Accept wildcard characters?**
Identifier <String> The name or distinguished name of an existing Active Directory object. When the name is specified, an additional call to the DRA Server is needed to obtain the distinguished name for the object.	true	named		true (ByPropertyName)	false
Domain <String> The domain of the object in fqdn format. For example: `mydomain.corp`	true	named		true (ByPropertyName)	false
DRARestServer [<String>] The name of the computer running the DRA Rest Service. The requested DRA operation will execute on this server. If the parameter is not specified, the value defaults to 'localhost'.	false	named		true (ByPropertyName)	false
DRARestPort [<Int32>] The port where the DRA REST Service listens for requests. If the parameter is not specified, the value defaults to 8755.	false	named	8755	true (ByPropertyName)	false

Attribute / Description	Parameters / Values				
	Required	**Position**	**Default Value**	**Accept Pipeline input?**	**Accept wildcard characters?**
IgnoreCertificateErrors [<SwitchParameter>] Allows the request to bypass any SSL certificate errors, such as the InvalidOperation error that occurs when the REST Service is bound to a self-signed certificate.	false	named		false	false
Force [<SwitchParameter>] Suppresses any request for user input and supplies a 'yes' response. For example: -Force with a delete request will perform the delete without presenting the confirmation request to the user.	false	named		false	false
Timeout [<Int32>] The number of seconds to wait before the request to the DRA REST server times out. To specify an infinite timeout, you can set this parameter to -1.	false	named	100 seconds	false	false
<CommonParameters> Verbose, Debug, ErrorAction, ErrorVariable, WarningAction, WarningVariable, OutBuffer, PipelineVariable, and OutVariable. For more information, see About CommonParameters (http://go.microsoft.com/fwlink/?LinkID=113216).					

NOTE: For more information, type "`Get-Help Get-DraCsUserAcp -detailed`". For technical information, type "`Get-Help Get-DraCsUserAcp -full`".

Example 29-3 *1*

```
PS C:\>Get-DraCsUserAcp -Domain MyDomain.corp -Identifier "CN=Bob
Jones,OU=Accounting,DC=MyDomain,DC=corp"
```

This example returns the Skype for Business Online audio conferencing provider settings for the user Bob Jones.

Grant-DraCsConferencingPolicy

Synopsis

Assigns a Skype for Business conferencing policy to a user.

Syntax

```
Grant-DraCsConferencingPolicy -Domain <String> -PolicyName <String> [-
Online <SwitchParameter>] -Identifier <String> [-DRARestServer <String>] [-
DRARestPort <Int32>] [-IgnoreCertificateErrors <SwitchParameter>] [-Force
<SwitchParameter>] [-Timeout <Int32>] [<CommonParameters>]
```

Description

The `Grant-DraCsConferencingPolicy` cmdlet assigns a Skype for Business conferencing policy to the specified user. For the Skype for Business Online external access policy, we need to add the 'Online' parameter in the cmdlet.

Parameters

Attribute / Description	Parameters / Values				
	Required	**Position**	**Default Value**	**Accept Pipeline input?**	**Accept wildcard characters?**
PolicyName <String> The name of the policy to be assigned.	true	named		true (ByPropertyName)	false
Online [<SwitchParameter>] Flag indicating Skype for Business Online cmdlet.	false	named		true (ByPropertyName)	false
Identifier <String> The name or distinguished name of an existing Active Directory object. When the name is specified, an additional call to the DRA Server is needed to obtain the distinguished name for the object.	true	named		true (ByPropertyName)	false
Domain <String> The domain of the object in fqdn format. For example: `mydomain.corp`	true	named		true (ByPropertyName)	false

Attribute / Description	Parameters / Values				
	Required	**Position**	**Default Value**	**Accept Pipeline input?**	**Accept wildcard characters?**
DRARestServer [<String>] The name of the computer running the DRA Rest Service. The requested DRA operation will execute on this server. If the parameter is not specified, the value defaults to 'localhost'.	false	named		true (ByPropertyName)	false
DRARestPort [<Int32>] The port where the DRA REST Service listens for requests. If the parameter is not specified, the value defaults to 8755.	false	named	8755	true (ByPropertyName)	false
IgnoreCertificateErrors [<SwitchParameter>] Allows the request to bypass any SSL certificate errors, such as the InvalidOperation error that occurs when the REST Service is bound to a self-signed certificate.	false	named		false	false
Force [<SwitchParameter>] Suppresses any request for user input and supplies a 'yes' response. For example: -Force with a delete request will perform the delete without presenting the confirmation request to the user.	false	named		false	false
Timeout [<Int32>] The number of seconds to wait before the request to the DRA REST server times out. To specify an infinite timeout, you can set this parameter to -1.	false	named	100 seconds	false	false

Attribute / Description	Parameters / Values				
	Required	Position	Default Value	Accept Pipeline input?	Accept wildcard characters?
<CommonParameters> Verbose, Debug, ErrorAction, ErrorVariable, WarningAction, WarningVariable, OutBuffer, PipelineVariable, and OutVariable. For more information, see About CommonParameters (http://go.microsoft.com/fwlink/?LinkID=113216).					

NOTE: For more information, type "`Get-Help Grant-DraCsConferencingPolicy -detailed`". For technical information, type "`Get-Help Grant-DraCsConferencingPolicy -full`".

Example 29-4 *1*

```
PS C:\>Grant-DraCsConferencingPolicy -Domain MyDomain.corp -Identifier
"CN=Bob Jones,OU=Accounting,DC=MyDomain,DC=corp" -PolicyName
BposSAllModalityNoRec
```

This example assigns the `BposSAllModalityNoRec` conferencing policy to the user Bob Jones.

Example 29-5 *2*

```
PS C:\>Grant-DraCsConferencingPolicy -Domain MyDomain.corp -Identifier
"CN=Bob Jones,OU=Accounting,DC=MyDomain,DC=corp" -PolicyName
BposSAllModalityNoRec -Online
```

This example assigns the BposSAllModalityNoRec conferencing policy to the user Bob Jones. We need to add 'Online' parameter for the Skype for Business Online cmdlet.

Grant-DraCsExternalAccessPolicy

Synopsis

Assigns a Skype for Business external access policy to a user.

Syntax

```
Grant-DraCsExternalAccessPolicy -Domain <String> -PolicyName <String> [-
Online <SwitchParameter>] -Identifier <String> [-DRARestServer <String>] [-
DRARestPort <Int32>] [-IgnoreCertificateErrors <SwitchParameter>] [-Force
<SwitchParameter>] [-Timeout <Int32>] [<CommonParameters>]
```

Description

The `Grant-DraCsExternalAccessPolicy` cmdlet assigns a Skype for Business external access policy to the specified user. For Skype for Business Online external access policy we need to add 'Online' parameter in cmdlet.

Parameters

Attribute / Description	Parameters / Values				
	Required	**Position**	**Default Value**	**Accept Pipeline input?**	**Accept wildcard characters?**
PolicyName <String> The name of the policy to be assigned.	true	named		true (ByPropertyName)	false
Online [<SwitchParameter>] Flag indicating Skype for Business Online Cmdlet.	false	named		true (ByPropertyName)	false
Identifier <String> The name or distinguished name of an existing Active Directory object. When the name is specified, an additional call to the DRA Server is needed to obtain the distinguished name for the object.	true	named		true (ByPropertyName)	false
Domain <String> The domain of the object in fqdn format. For example: `mydomain.corp`	true	named		true (ByPropertyName)	false
DRARestServer [<String>] The name of the computer running the DRA Rest Service. The requested DRA operation will execute on this server. If the parameter is not specified, the value defaults to 'localhost'.	false	named		true (ByPropertyName)	false
DRARestPort [<Int32>] The port where the DRA REST Service listens for requests. If the parameter is not specified, the value defaults to 8755.	false	named	8755	true (ByPropertyName)	false

Attribute / Description	Parameters / Values				
	Required	**Position**	**Default Value**	**Accept Pipeline input?**	**Accept wildcard characters?**
IgnoreCertificateErrors [<SwitchParameter>] Allows the request to bypass any SSL certificate errors, such as the InvalidOperation error that occurs when the REST Service is bound to a self-signed certificate.	false	named		false	false
Force [<SwitchParameter>] Suppresses any request for user input and supplies a 'yes' response. For example: -Force with a delete request will perform the delete without presenting the confirmation request to the user.	false	named		false	false
Timeout [<Int32>] The number of seconds to wait before the request to the DRA REST server times out. To specify an infinite timeout, you can set this parameter to -1.	false	named	100 seconds	false	false
<CommonParameters> Verbose, Debug, ErrorAction, ErrorVariable, WarningAction, WarningVariable, OutBuffer, PipelineVariable, and OutVariable. For more information, see About CommonParameters (http://go.microsoft.com/fwlink/?LinkID=113216).					

NOTE: For more information, type "`Get-Help Grant-DraCsExternalAccessPolicy -detailed`". For technical information, type "`Get-Help Grant-DraCsExternalAccessPolicy -full`".

Example 29-6 *1*

```
PS C:\>Grant-DraCsExternalAccessPolicy -Domain MyDomain.corp -Identifier
"CN=Bob Jones,OU=Accounting,DC=MyDomain,DC=corp" -PolicyName
FederationAndPICDefault
```

This example assigns the FederationAndPICDefault policy to the user Bob Jones.

Example 29-7 *2*

```
PS C:\>Grant-DraCsExternalAccessPolicy -Domain MyDomain.corp -Identifier
"CN=Bob Jones,OU=Accounting,DC=MyDomain,DC=corp" -PolicyName
FederationAndPICDefault -Online
```

This example assigns the FederationAndPICDefault policy to the user Bob Jones. We need to add the 'Online' parameter for the Skype for Business Online cmdlet.

Set-DraCsUserAcp

Synopsis

Updates the Skype for Business Online audio conferencing provider information for a user.

Syntax

```
Set-DraCsUserAcp -Domain <String> -DraDomain <String> -Identifier <String>
-Name <String> -ParticipantPasscode <String> -TollNumber <String> [-
IsDefault <Boolean>] [-TollFreeNumbers <String[]>] [-Url <String>] [-
DRARestServer <String>] [-DRARestPort <Int32>] [-IgnoreCertificateErrors
<SwitchParameter>] [-Force <SwitchParameter>] [-Timeout <Int32>]
[<CommonParameters>]
```

Description

The `Set-DraCsUserAcp` cmdlet updates the Skype for Business Online audio conferencing provider information for the specified user.

Parameters

Attribute / Description	Parameters / Values				
	Required	**Position**	**Default Value**	**Accept Pipeline input?**	**Accept wildcard characters?**
Identifier <String> The name or distinguished name of an existing Active Directory object. When the name is specified, an additional call to the DRA Server is needed to obtain the distinguished name for the object.	true	named		true (ByPropertyName)	false
Domain <String> The domain of the object in fqdn format. For example: `mydomain.corp`	true	named		true (ByPropertyName)	false

Attribute / Description	Parameters / Values				
	Required	**Position**	**Default Value**	**Accept Pipeline input?**	**Accept wildcard characters?**
DraDomain <String> The fully qualified domain name of the object.	true	named		true (ByPropertyName)	false
Name <String> The name of the audio conferencing provider.	true	named		true (ByPropertyName)	false
ParticipantPasscode <String> The passcode required to connect to a conference.	true	named		true (ByPropertyName)	false
TollNumber <String> The toll number used for audio conferences.	false	named		true (ByPropertyName)	false
TollFreeNumbers [<String[]>] The toll-free phone number used for audio conferences. Multiple numbers can be specified by separating values with commas.	false	named		true (ByPropertyName)	false
Url [<String>] The URL for the audio conferencing provider.	true	named		true (ByPropertyName)	false
IsDefault [<Nullable`1>] Flag indicating this audio conferencing provider should be set as the default for the user	false	named		true (ByPropertyName)	false
DRARestServer [<String>] The name of the computer running the DRA Rest Service. The requested DRA operation will execute on this server. If the parameter is not specified, the value defaults to 'localhost'.	false	named		true (ByPropertyName)	false
DRARestPort [<Int32>] The port where the DRA REST Service listens for requests. If the parameter is not specified, the value defaults to 8755.	false	named	8755	true (ByPropertyName)	false

Attribute / Description	Parameters / Values				
	Required	**Position**	**Default Value**	**Accept Pipeline input?**	**Accept wildcard characters?**
IgnoreCertificateErrors [<SwitchParameter>] Allows the request to bypass any SSL certificate errors, such as the InvalidOperation error that occurs when the REST Service is bound to a self-signed certificate.	false	named		false	false
Force [<SwitchParameter>] Suppresses any request for user input and supplies a 'yes' response. For example: -Force with a delete request will perform the delete without presenting the confirmation request to the user.	false	named		false	false
Timeout [<Int32>] The number of seconds to wait before the request to the DRA REST server times out. To specify an infinite timeout, you can set this parameter to -1.	false	named	100 seconds	false	false
<CommonParameters> Verbose, Debug, ErrorAction, ErrorVariable, WarningAction, WarningVariable, OutBuffer, PipelineVariable, and OutVariable. For more information, see About CommonParameters (http://go.microsoft.com/fwlink/?LinkID=113216).					

NOTE: For more information, type "`Get-Help Set-DraCsUserAcp -detailed`". For technical information, type "`Get-Help Set-DraCsUserAcp -full`".

Example 29-8 *1*

```
PS C:\>Set-DraCsUserAcp -Domain MyDomain.corp -Identifier "CN=Bob
Jones,OU=Accounting,DC=MyDomain,DC=corp" -Domain acp.att.com -Name "ATT
Conferencing" -ParticipantPasscode 999999 -TollNumber "14255551234" -
TollFreeNumbers "18005556666", "18005557777", "18005558888" -Url "https://
www.teleconference.att.com/servlet/glbAccess"
```

This example assigns the ATT Conferencing Skype for Business Online audio conferencing policy to the user Bob Jones and configures the participant passcode, toll number, three toll-free numbers, and a conference URL for the policy.

30 Skype Related Commands

This section contains cmdlets you can execute for Shared Mailbox.

Disable-DraCsUser

Synopsis

Disables the Skype for Business Server for the user account specified by the Identifier parameter.

Syntax

```
Disable-DraCsUser -Domain <String> -Identifier <String> [-DRARestServer
<String>] [-DRARestPort <Int32>] [-IgnoreCertificateErrors
<SwitchParameter>] [-Force <SwitchParameter>] [-Timeout <Int32>]
[<CommonParameters>
```

Description

The Disable-DraCsUser cmdlet removes the user from the Skype for Business Server on the account specified by the Identifier parameter. The requesting user must have the Permanently Disable Skype For Business for User power.

Parameters

Attribute / Description	Parameters / Values				
	Required	**Position**	**Default Value**	**Accept Pipeline input?**	**Accept wildcard characters?**
Identifier <String> The name or distinguished name of an existing Active Directory object. When the name is specified, an additional call to the DRA Server is needed to obtain the distinguished name for the object.	true	named		true (ByPropertyName)	false
Domain <String> The domain of the object in fqdn format. For example: `mydomain.corp`	true	named		true (ByPropertyName)	false

Attribute / Description	Parameters / Values				
	Required	**Position**	**Default Value**	**Accept Pipeline input?**	**Accept wildcard characters?**
DRARestServer [<String>] The name of the computer running the DRA Rest Service. The requested DRA operation will execute on this server. If the parameter is not specified, the value defaults to 'localhost'.	false	named		true (ByPropertyName)	false
DRARestPort [<Int32>] The port where the DRA REST Service listens for requests. If the parameter is not specified, the value defaults to 8755.	false	named	8755	true (ByPropertyName)	false
IgnoreCertificateErrors [<SwitchParameter>] Allows the request to bypass any SSL certificate errors, such as the InvalidOperation error that occurs when the REST Service is bound to a self-signed certificate.	false	named		false	false
Force [<SwitchParameter>] Suppresses any request for user input and supplies a 'yes' response. For example: -Force with a delete request will perform the delete without presenting the confirmation request to the user.	false	named		false	false
Timeout [<Int32>] The number of seconds to wait before the request to the DRA REST server times out. To specify an infinite timeout, you can set this parameter to -1.	false	named	100 seconds	false	false

Attribute / Description	Parameters / Values				
	Required	**Position**	**Default Value**	**Accept Pipeline input?**	**Accept wildcard characters?**
<CommonParameters> Verbose, Debug, ErrorAction, ErrorVariable, WarningAction, WarningVariable, OutBuffer, PipelineVariable, and OutVariable. For more information, see About CommonParameters (http://go.microsoft.com/fwlink/?LinkID=113216).					

NOTE: For more information, type "`Get-Help Disable-DraCsUser -detailed`". For technical information, type "`Get-Help Disable-DraCsUser -full`".

Example 30-1 *1*

```
C:\>Disable-DraCsUser  -Domain MyDomain.corp -Identifier
"CN=USER123,OU=Accounting,DC=MyDomain,DC=corp"
```

This example permanently removes the user named USER123 in MyDomain.corp from the Skype for Business Server. The identifier contains the distinguished name for the user.

31 Temporary Group Assignment Commands

This section contains cmdlets you can execute for Temporary Group Assignment.

- "Add-DRATemporaryGroupAssignment" on page 715
- "Clear-DRATemporaryGroupAssignmentError" on page 719
- "Disable-DRATemporaryGroupAssignment" on page 721
- "Enable-DRATemporaryGroupAssignment" on page 723
- "Remove-DRATemporaryGroupAssignment" on page 725
- "Stop-DRATemporaryGroupAssignment" on page 727

- "Add-DRATemporaryGroupAssignment" on page 715
- "Clear-DRATemporaryGroupAssignmentError" on page 719
- "Disable-DRATemporaryGroupAssignment" on page 721
- "Enable-DRATemporaryGroupAssignment" on page 723
- "Remove-DRATemporaryGroupAssignment" on page 725
- "Stop-DRATemporaryGroupAssignment" on page 727

Add-DRATemporaryGroupAssignment

Synopsis

Creates a new temporary group assignment.

Syntax

```
Add-DRATemporaryGroupAssignment -Name <String> -GroupIdentifier <String> -
UserIdentifiers <String[]> -StartTime <DateTime> -EndTime <DateTime> [-
Comment <String>] [-Description <String>] [-Enabled <Boolean>] [-DontDelete
<Boolean>] [-DomainController <String>] [-DRARestServer <String>] [-
DRARestPort <Int32>] [-IgnoreCertificateErrors <SwitchParameter>] [-Force
<SwitchParameter>] [-Timeout <Int32>] [<CommonParameters>]
```

Description

The Add-DRATemporaryGroupAssignment cmdlet creates a new temporary group assignment. This feature enables users to add members to a group for specific time period. The requesting user must have the Create Temporary Group Assignments power.

Parameters

Attribute / Description	Parameters / Values				
	Required	**Position**	**Default Value**	**Accept Pipeline input?**	**Accept wildcard characters?**
Name <String> The Name parameter specifies the name for the new temporary group assignment.	true	named		true (ByPropertyName)	false
GroupIdentifier <String> The GroupIdentifier parameter specifies the target group for new temporary group assignment. The DistinguishedName value type can be used. For example, `CN=NewTGA,DC=MyDomain,DC=corp`	true	named		true (ByPropertyName)	false
UserIdentifiers <String[]> The UserIdentifiers parameter specifies the list of temporary members. The Distinguished Name value can be used for each temporary member. For example, `CN=NewTGA,DC=MyDomain,DC=corp`	true	named		true (ByPropertyName)	false
StartTime <DateTime> The StartTime parameter specifies the start date and time for the new temporary group assignment.	true	named		true (ByPropertyName)	false
EndTime <DateTime> The EndTime parameter specifies the end date and time for the new temporary group assignment.	true	named		true (ByPropertyName)	false

Attribute / Description	Parameters / Values				
	Required	**Position**	**Default Value**	**Accept Pipeline input?**	**Accept wildcard characters?**
Comment [<String>] The Comment parameter specifies additional information about the new temporary group assignment.	false	named		true (ByPropertyName)	false
Description [<String>] The Description parameter describes the new temporary group assignment.	false	named		true (ByPropertyName)	false
Enabled [<Nullable`1>] The Enabled parameter indicates whether DRA should process the temporary group assignment. When you create a new temporary group assignment, DRA enables the new assignment by default.	false	named		true (ByPropertyName)	false
DontDelete [<Nullable`1>] The DontDelete parameter specifies that after the temporary group assignment expires, DRA saves the temporary group assignment for future use.	false	named		true (ByPropertyName)	false
DomainController [<String>] The DomainController parameter specifies the domain controller for the new temporary group assignment.	false	named		true (ByPropertyName)	false
DRARestServer [<String>] The name of the computer running the DRA REST Service. The requested DRA operation will be sent to the REST Service running on the specified computer. If this parameter is not specified, then the cmdlet will attempt to discover a DRA REST Service to use.	false	named		true (ByPropertyName)	false

Attribute / Description	Parameters / Values				
	Required	**Position**	**Default Value**	**Accept Pipeline input?**	**Accept wildcard characters?**
DRARestPort [<Int32>] The port number of the DRA REST Service. This parameter is only used when the DRARestServer parameter is also specified. If the DRARestServer parameter is specified but the DRARestPort is not, 8755 will be used as the default REST port.	false	named	8755	true (ByPropertyName)	false
IgnoreCertificateErrors [<SwitchParameter>] Allows the request to bypass any SSL certificate errors, such as the InvalidOperation error that occurs when the REST Service is bound to a self-signed certificate.	false	named		false	false
Force [<SwitchParameter>] Suppresses any request for user input and supplies a 'yes' response. For example: -Force with a delete request will perform the delete without presenting the confirmation request to the user.	false	named		false	false
Timeout [<Int32>] The wait time in seconds before the request to the DRA REST server times out. To specify an infinite timeout, you can set this parameter to -1.	false	named	100 seconds	true (ByPropertyName)	false
<CommonParameters> Verbose, Debug, ErrorAction, ErrorVariable, WarningAction, WarningVariable, OutBuffer, PipelineVariable, and OutVariable. For more information, see About CommonParameters (http://go.microsoft.com/fwlink/?LinkID=113216).					

NOTE: For more information, type "`Get-Help Add-DRATemporaryGroupAssignment -detailed`". For technical information, type "`Get-Help Add-DRATemporaryGroupAssignment -full`".

Example 31-1 *1*

```
PS C:\>Add-DRATemporaryGroupAssignment -Name "MyTGA" -GroupIdentifier
"CN=NewTGA,DC=MyDomain,DC=corp" -UserIdentifiers
@("CN=NewTGA,DC=MyDomain,DC=corp") -StartTime "14/03/2019 6:10:00 AM" -
EndTime "15/03/2019 6:10:00 PM"
```

This example will create a new temporary group assignment named MyTGA, adding temporary members in the target group for the given time interval. Also, the new temporary group assignment will be enabled if it is not set.

Example 31-2 *2*

```
PS C:\>Add-DRATemporaryGroupAssignment -Name "MyTGA" -GroupIdentifier
"CN=NewTGA,DC=MyDomain,DC=corp" -UserIdentifiers
@("CN=NewTGA,DC=MyDomain,DC=corp") -StartTime "14/03/2019 6:10:00 AM" -
EndTime "15/03/2019 6:10:00 PM" -DontDelete $true -Enabled $false
```

This example will create a new temporary group assignment named MyTGA, with the following configuration: adds temporary members in the target group for the given time interval, enables the DontDelete flag to keep the temporary group assignment for future use, and sets the Enabled flag to false.

Clear-DRATemporaryGroupAssignmentError

Synopsis

Rectifies errors in a temporary group assignment.

Syntax

```
Clear-DRATemporaryGroupAssignmentError -Identifier <String> [-
DRARestServer <String>] [-DRARestPort <Int32>] [-IgnoreCertificateErrors
<SwitchParameter>] [-Force <SwitchParameter>] [-Timeout <Int32>]
[<CommonParameters>]
```

Description

The Clear-DRATemporaryGroupAssignmentError cmdlet rectifies errors in the specified temporary group assignment.

Parameters

Attribute / Description	Parameters / Values				
	Required	**Position**	**Default Value**	**Accept Pipeline input?**	**Accept wildcard characters?**
Identifier <String> The name of the temporary group assignment.	true	named		true (ByPropertyName)	false
DRARestServer [<String>] The name of the computer running the DRA REST Service. The requested DRA operation will be sent to the REST Service running on the specified computer. If this parameter is not specified, then the cmdlet will attempt to discover a DRA REST Service to use.	false	named		true (ByPropertyName)	false
DRARestPort [<Int32>] The port number of the DRA REST Service. This parameter is only used when the DRARestServer parameter is also specified. If the DRARestServer parameter is specified but the DRARestPort is not, 8755 will be used as the default REST port.	false	named	8755	true (ByPropertyName)	false
IgnoreCertificateErrors [<SwitchParameter>] Allows the request to bypass any SSL certificate errors, such as the InvalidOperation error that occurs when the REST Service is bound to a self-signed certificate.	false	named		false	false
Force [<SwitchParameter>] Suppresses any request for user input and supplies a 'yes' response. For example: -Force with a delete request will perform the delete without presenting the confirmation request to the user.	false	named		false	false

Attribute / Description	Parameters / Values				
	Required	**Position**	**Default Value**	**Accept Pipeline input?**	**Accept wildcard characters?**
Timeout [<Int32>] The wait time in seconds before the request to the DRA REST server times out. To specify an infinite timeout, you can set this parameter to -1. ***<CommonParameters>*** Verbose, Debug, ErrorAction, ErrorVariable, WarningAction, WarningVariable, OutBuffer, PipelineVariable, and OutVariable. For more information, see About CommonParameters (http://go.microsoft.com/fwlink/?LinkID=113216).	false	named	100 seconds	true (ByPropertyName)	false

NOTE: For more information, type "`Get-Help Clear-DRATemporaryGroupAssignmentError -detailed`". For technical information, type "`Get-Help Clear-DRATemporaryGroupAssignmentError -full`".

Example 31-3 *1*

```
PS C:\> Clear-DRATemporaryGroupAssignmentError -Identifier "TempVendors"
```

This example rectifies errors in the temporary group assignment named TempVendors.

Disable-DRATemporaryGroupAssignment

Synopsis

Disables a temporary group assignment.

Syntax

```
Disable-DRATemporaryGroupAssignment -Identifier <String> [-DRARestServer
<String>] [-DRARestPort <Int32>] [-IgnoreCertificateErrors
<SwitchParameter>] [-Force <SwitchParameter>] [-Timeout <Int32>]
[<CommonParameters>]
```

Description

The Disable-DRATemporaryGroupAssignment cmdlet disables the specified temporary group assignment.

Parameters

Attribute / Description	Parameters / Values				
	Required	**Position**	**Default Value**	**Accept Pipeline input?**	**Accept wildcard characters?**
Identifier <String> The name of the temporary group assignment.	true	named		true (ByPropertyName)	false
DRARestServer [<String>] The name of the computer running the DRA REST Service. The requested DRA operation will be sent to the REST Service running on the specified computer. If this parameter is not specified, then the cmdlet will attempt to discover a DRA REST Service to use.	false	named		true (ByPropertyName)	false
DRARestPort [<Int32>] The port number of the DRA REST Service. This parameter is only used when the DRARestServer parameter is also specified. If the DRARestServer parameter is specified but the DRARestPort is not, 8755 will be used as the default REST port.	false	named	8755	true (ByPropertyName)	false
IgnoreCertificateErrors [<SwitchParameter>] Allows the request to bypass any SSL certificate errors, such as the InvalidOperation error that occurs when the REST Service is bound to a self-signed certificate.	false	named		false	false
Force [<SwitchParameter>] Suppresses any request for user input and supplies a 'yes' response. For example: -Force with a delete request will perform the delete without presenting the confirmation request to the user.	false	named		false	false

Attribute / Description	Parameters / Values				
	Required	**Position**	**Default Value**	**Accept Pipeline input?**	**Accept wildcard characters?**
Timeout [<Int32>] The wait time in seconds before the request to the DRA REST server times out. To specify an infinite timeout, you can set this parameter to -1. ***<CommonParameters>*** Verbose, Debug, ErrorAction, ErrorVariable, WarningAction, WarningVariable, OutBuffer, PipelineVariable, and OutVariable. For more information, see About CommonParameters (http://go.microsoft.com/fwlink/?LinkID=113216).	false	named	100 seconds	true (ByPropertyName)	false

NOTE: For more information, type "`Get-Help Disable-DRATemporaryGroupAssignment -detailed`". For technical information, type "`Get-Help Disable-DRATemporaryGroupAssignment -full`".

Example 31-4 *1*

```
PS C:\> Disable-DRATemporaryGroupAssignment -Identifier "TempVendors"
```

This example disables the temporary group assignment named TempVendors.

Enable-DRATemporaryGroupAssignment

Synopsis

Enables a temporary group assignment.

Syntax

```
Enable-DRATemporaryGroupAssignment -Identifier <String> [-DRARestServer
<String>] [-DRARestPort <Int32>] [-IgnoreCertificateErrors
<SwitchParameter>] [-Force <SwitchParameter>] [-Timeout <Int32>]
[<CommonParameters>]
```

Description

The Enable-DRATemporaryGroupAssignment cmdlet enables the specified temporary group assignment.

Parameters

Attribute / Description	Parameters / Values				
	Required	**Position**	**Default Value**	**Accept Pipeline input?**	**Accept wildcard characters?**
Identifier <String> The name of the temporary group assignment.	true	named		true (ByPropertyName)	false
DRARestServer [<String>] The name of the computer running the DRA REST Service. The requested DRA operation will be sent to the REST Service running on the specified computer. If this parameter is not specified, then the cmdlet will attempt to discover a DRA REST Service to use.	false	named		true (ByPropertyName)	false
DRARestPort [<Int32>] The port number of the DRA REST Service. This parameter is only used when the DRARestServer parameter is also specified. If the DRARestServer parameter is specified but the DRARestPort is not, 8755 will be used as the default REST port.	false	named	8755	true (ByPropertyName)	false
IgnoreCertificateErrors [<SwitchParameter>] Allows the request to bypass any SSL certificate errors, such as the InvalidOperation error that occurs when the REST Service is bound to a self-signed certificate.	false	named		false	false
Force [<SwitchParameter>] Suppresses any request for user input and supplies a 'yes' response. For example: -Force with a delete request will perform the delete without presenting the confirmation request to the user.	false	named		false	false

Attribute / Description	Parameters / Values				
	Required	**Position**	**Default Value**	**Accept Pipeline input?**	**Accept wildcard characters?**
Timeout [<Int32>] The wait time in seconds before the request to the DRA REST server times out. To specify an infinite timeout, you can set this parameter to -1. ***<CommonParameters>*** Verbose, Debug, ErrorAction, ErrorVariable, WarningAction, WarningVariable, OutBuffer, PipelineVariable, and OutVariable. For more information, see About CommonParameters (http://go.microsoft.com/fwlink/?LinkID=113216).	false	named	100 seconds	true (ByPropertyName)	false

NOTE: For more information, type "`Get-Help Enable-DRATemporaryGroupAssignment -detailed`". For technical information, type "`Get-Help Enable-DRATemporaryGroupAssignment -full`".

Example 31-5 *1*

```
PS C:\> Enable-DRATemporaryGroupAssignment -Identifier "TempVendors"
```

This example enables the temporary group assignment named TempVendors.

Remove-DRATemporaryGroupAssignment

Synopsis

Removes a temporary group assignment.

Syntax

```
Remove-DRATemporaryGroupAssignment -Identifier <String> [-DRARestServer
<String>] [-DRARestPort <Int32>] [-IgnoreCertificateErrors
<SwitchParameter>] [-Force <SwitchParameter>] [-Timeout <Int32>]
[<CommonParameters>]
```

Description

The Remove-DRATemporaryGroupAssignment cmdlet deletes the specified temporary group assignment.

Parameters

Attribute / Description	Parameters / Values				
	Required	**Position**	**Default Value**	**Accept Pipeline input?**	**Accept wildcard characters?**
Identifier <String> The name of the temporary group assignment.	true	named		true (ByPropertyName)	false
DRARestServer [<String>] The name of the computer running the DRA REST Service. The requested DRA operation will be sent to the REST Service running on the specified computer. If this parameter is not specified, then the cmdlet will attempt to discover a DRA REST Service to use.	false	named		true (ByPropertyName)	false
DRARestPort [<Int32>] The port number of the DRA REST Service. This parameter is only used when the DRARestServer parameter is also specified. If the DRARestServer parameter is specified but the DRARestPort is not, 8755 will be used as the default REST port.	false	named	8755	true (ByPropertyName)	false
IgnoreCertificateErrors [<SwitchParameter>] Allows the request to bypass any SSL certificate errors, such as the InvalidOperation error that occurs when the REST Service is bound to a self-signed certificate.	false	named		false	false
Force [<SwitchParameter>] Suppresses any request for user input and supplies a 'yes' response. For example: -Force with a delete request will perform the delete without presenting the confirmation request to the user.	false	named		false	false

Attribute / Description	Parameters / Values				
	Required	**Position**	**Default Value**	**Accept Pipeline input?**	**Accept wildcard characters?**
Timeout [<Int32>] The wait time in seconds before the request to the DRA REST server times out. To specify an infinite timeout, you can set this parameter to -1. ***<CommonParameters>*** Verbose, Debug, ErrorAction, ErrorVariable, WarningAction, WarningVariable, OutBuffer, PipelineVariable, and OutVariable. For more information, see About CommonParameters (http://go.microsoft.com/fwlink/?LinkID=113216).	false	named	100 seconds	true (ByPropertyName)	false

NOTE: For more information, type "`Get-Help Remove-DRATemporaryGroupAssignment -detailed`". For technical information, type "`Get-Help Remove-DRATemporaryGroupAssignment -full`".

Example 31-6 *1*

```
PS C:\> Remove-DRATemporaryGroupAssignment -Identifier "TempVendors"
```

This example deletes the temporary group assignment named TempVendors.

Stop-DRATemporaryGroupAssignment

Synopsis

Cancels a temporary group assignment.

Syntax

```
Stop-DRATemporaryGroupAssignment -Identifier <String> [-DRARestServer
<String>] [-DRARestPort <Int32>] [-IgnoreCertificateErrors
<SwitchParameter>] [-Force <SwitchParameter>] [-Timeout <Int32>]
[<CommonParameters>]
```

Description

The Stop-DRATemporaryGroupAssignment cmdlet cancels the specified temporary group assignment.

Parameters

Attribute / Description	Parameters / Values				
	Required	**Position**	**Default Value**	**Accept Pipeline input?**	**Accept wildcard characters?**
Identifier <String> The name of the temporary group assignment.	true	named		true (ByPropertyName)	false
DRARestServer [<String>] The name of the computer running the DRA REST Service. The requested DRA operation will be sent to the REST Service running on the specified computer. If this parameter is not specified, then the cmdlet will attempt to discover a DRA REST Service to use.	false	named		true (ByPropertyName)	false
DRARestPort [<Int32>] The port number of the DRA REST Service. This parameter is only used when the DRARestServer parameter is also specified. If the DRARestServer parameter is specified but the DRARestPort is not, 8755 will be used as the default REST port.	false	named	8755	true (ByPropertyName)	false
IgnoreCertificateErrors [<SwitchParameter>] Allows the request to bypass any SSL certificate errors, such as the InvalidOperation error that occurs when the REST Service is bound to a self-signed certificate.	false	named		false	false
Force [<SwitchParameter>] Suppresses any request for user input and supplies a 'yes' response. For example: -Force with a delete request will perform the delete without presenting the confirmation request to the user.	false	named		false	false

Attribute / Description	Parameters / Values				
	Required	**Position**	**Default Value**	**Accept Pipeline input?**	**Accept wildcard characters?**
Timeout [<Int32>] The wait time in seconds before the request to the DRA REST server times out. To specify an infinite timeout, you can set this parameter to -1. ***<CommonParameters>*** Verbose, Debug, ErrorAction, ErrorVariable, WarningAction, WarningVariable, OutBuffer, PipelineVariable, and OutVariable. For more information, see About CommonParameters (http://go.microsoft.com/fwlink/?LinkID=113216).	false	named	100 seconds	true (ByPropertyName)	false

NOTE: For more information, type "`Get-Help Stop-DRATemporaryGroupAssignment -detailed`". For technical information, type "`Get-Help Stop-DRATemporaryGroupAssignment -full`".

Example 31-7 *1*

```
PS C:\> Stop-DRATemporaryGroupAssignment -Identifier "TempVendors"
```

This example cancels the temporary group assignment named TempVendors.

32 User Commands

This section contains cmdlets you can execute for the User object type.

- "Add-DRAUser" on page 734
- "Add-DRAUserArchiveMailbox" on page 738
- "Add-DRAUserMailbox" on page 741
- "Copy-DRAUser" on page 744
- "Disable-DRAOffice365ArchiveMailbox" on page 748
- "Disable-DRAUser" on page 750
- "Disable-DRAUserEmail" on page 753
- "Enable-DraCsUser" on page 755
- "Enable-DRAOffice365ArchiveMailbox" on page 758
- "Enable-DRAUser" on page 761
- "Enable-DRAUserEmail" on page 763
- "Get-DRAMoveMailboxStatus" on page 766
- "Get-DRAUser" on page 768
- "Grant-DraCsArchivingPolicy" on page 772
- "Grant-DraCsClientPolicy" on page 775
- "Grant-DraCsClientVersionPolicy" on page 777
- "Grant-DraCsLocationPolicy" on page 779
- "Grant-DraCsMobilityPolicy" on page 781
- "Grant-DraCsPersistentChatPolicy" on page 784
- "Grant-DraCsPinPolicy" on page 786
- "Lock-DRACsClientPin" on page 788
- "Move-DraCsUser" on page 790
- "Move-DRAUser" on page 793
- "Move-DRAUserMailbox" on page 796
- "Remove-DRAUser" on page 798
- "Remove-DRAUserArchiveMailbox" on page 801
- "Remove-DRAUserMailbox" on page 803
- "Reset-DRAUserPassword" on page 805
- "Restore-DRAUser" on page 809
- "Revoke-DraCsClientCertificate" on page 811
- "Set-DraCsClientPin" on page 814
- "Set-DraCsUser" on page 816

- “Set-DRAMoveMailboxStatus” on page 822
- “Set-DRAUser” on page 824
- “Unlock-DRACsClientPin” on page 831
- “Unlock-DRAUser” on page 833
- “Add-DRAUser” on page 734
- “Add-DRAUserArchiveMailbox” on page 738
- “Add-DRAUserMailbox” on page 741
- “Copy-DRAUser” on page 744
- “Disable-DRAOffice365ArchiveMailbox” on page 748
- “Disable-DRAUser” on page 750
- “Disable-DRAUserEmail” on page 753
- “Enable-DraCsUser” on page 755
- “Enable-DRAOffice365ArchiveMailbox” on page 758
- “Enable-DRAUser” on page 761
- “Enable-DRAUserEmail” on page 763
- “Get-DRAMoveMailboxStatus” on page 766
- “Get-DRAUser” on page 768
- “Grant-DraCsArchivingPolicy” on page 772
- “Grant-DraCsClientPolicy” on page 775
- “Grant-DraCsClientVersionPolicy” on page 777
- “Grant-DraCsLocationPolicy” on page 779
- “Grant-DraCsMobilityPolicy” on page 781
- “Grant-DraCsPersistentChatPolicy” on page 784
- “Grant-DraCsPinPolicy” on page 786
- “Lock-DRACsClientPin” on page 788
- “Move-DraCsUser” on page 790
- “Move-DRAUser” on page 793
- “Move-DRAUserMailbox” on page 796
- “Remove-DRAUser” on page 798
- “Remove-DRAUserArchiveMailbox” on page 801
- “Remove-DRAUserMailbox” on page 803
- “Reset-DRAUserPassword” on page 805
- “Restore-DRAUser” on page 809
- “Revoke-DraCsClientCertificate” on page 811
- “Set-DraCsClientPin” on page 814
- “Set-DraCsUser” on page 816
- “Set-DRAMoveMailboxStatus” on page 822
- “Set-DRAUser” on page 824

- “Unlock-DRACsClientPin” on page 831
- “Unlock-DRAUser” on page 833
- “Add-DRAUser” on page 734
- “Add-DRAUserArchiveMailbox” on page 738
- “Add-DRAUserMailbox” on page 741
- “Copy-DRAUser” on page 744
- “Disable-DRAOffice365ArchiveMailbox” on page 748
- “Disable-DRAUser” on page 750
- “Disable-DRAUserEmail” on page 753
- “Enable-DraCsUser” on page 755
- “Enable-DRAOffice365ArchiveMailbox” on page 758
- “Enable-DRAUser” on page 761
- “Enable-DRAUserEmail” on page 763
- “Get-DRAMoveMailboxStatus” on page 766
- “Get-DRAUser” on page 768
- “Grant-DraCsArchivingPolicy” on page 772
- “Grant-DraCsClientPolicy” on page 775
- “Grant-DraCsClientVersionPolicy” on page 777
- “Grant-DraCsLocationPolicy” on page 779
- “Grant-DraCsMobilityPolicy” on page 781
- “Grant-DraCsPersistentChatPolicy” on page 784
- “Grant-DraCsPinPolicy” on page 786
- “Lock-DRACsClientPin” on page 788
- “Move-DraCsUser” on page 790
- “Move-DRAUser” on page 793
- “Move-DRAUserMailbox” on page 796
- “Remove-DRAUser” on page 798
- “Remove-DRAUserArchiveMailbox” on page 801
- “Remove-DRAUserMailbox” on page 803
- “Reset-DRAUserPassword” on page 805
- “Restore-DRAUser” on page 809
- “Revoke-DraCsClientCertificate” on page 811
- “Set-DraCsClientPin” on page 814
- “Set-DraCsUser” on page 816
- “Set-DRAMoveMailboxStatus” on page 822
- “Set-DRAUser” on page 824
- “Unlock-DRACsClientPin” on page 831
- “Unlock-DRAUser” on page 833

Add-DRAUser

Synopsis

Adds a user object to an Active Directory domain.

Syntax

```
Add-DRAUser -Properties <Hashtable> -Domain <String> [-DRARestServer
<String>] [-DRARestPort <Int32>] [-IgnoreCertificateErrors
<SwitchParameter>] [-Force <SwitchParameter>] [-Timeout <Int32>]
[<CommonParameters>]
```

Description

The Add-DRAUser cmdlet adds a user to a domain managed by DRA. The requesting user must have the Create User power. Use the Properties parameter to specify the values to use when creating the user. To see the complete list of available properties, perform a Get-Member command on the object returned from any DRAUser command.

Parameters

Attribute / Description	Parameters / Values				
	Required	**Position**	**Default Value**	**Accept Pipeline input?**	**Accept wildcard characters?**
Properties <Hashtable> A hashtable of property values. The key is the name of a defined attribute in the REST interface. For example: `-Properties @{Attribute1DRADisplayName="my value"; Attribute2DRADisplayName=value}` Multiple values are specified as a comma-separated list. For example: `-Properties @{Attribute1DRADisplayName=value1, value2}` If the property name contains non-alphanumeric characters it needs to be quoted. For example: `-Properties @{"Attribute1-DRA-DisplayName"=value}` If the property value contains a quote it needs to be escaped with a backtick (`).  For example: `-Properties @{Attribute1DRADisplayName="`"sample`" value"}`	true	named		true (ByPropertyName)	false
Identifier <String> The name or distinguished name of an existing Active Directory object. When the name is specified, an additional call to the DRA Server is needed to obtain the distinguished name for the object.	true	named		true (ByPropertyName)	false
Domain <String> The domain of the object in FQDN format. For example: `mydomain.corp`	true	named		true (ByPropertyName)	false

Attribute / Description	Parameters / Values				
	Required	**Position**	**Default Value**	**Accept Pipeline input?**	**Accept wildcard characters?**
DRARestServer [<String>] The name of the computer running the DRA Rest Service. The requested DRA operation will execute on this server. If the parameter is not specified, the value defaults to 'localhost'.	false	named		true (ByPropertyName	false
DRARestPort [<Int32>] The port where the DRA REST Service listens for requests. If the parameter is not specified, the value defaults to 8755.	false	named	8755	true (ByPropertyName	false
IgnoreCertificateErrors [<SwitchParameter>] Allows the request to bypass any SSL certificate errors, such as the InvalidOperation error that occurs when the REST Service is bound to a self-signed certificate.	false	named		false	false
Force [<SwitchParameter>] Suppresses any request for user input and supplies a 'yes' response. For example: -Force with a delete request will perform the delete without presenting the confirmation request to the user.	false	named		false	false
Timeout [<Int32>] The number of seconds to wait before the request to the DRA REST server times out. To specify an infinite timeout, you can set this parameter to -1.	false	named	100 seconds	true (ByPropertyName)	false

Attribute / Description	Parameters / Values				
	Required	Position	Default Value	Accept Pipeline input?	Accept wildcard characters?
<CommonParameters> Verbose, Debug, ErrorAction, ErrorVariable, WarningAction, WarningVariable, OutBuffer, PipelineVariable, and OutVariable. For more information, see About CommonParameters (http://go.microsoft.com/fwlink/?LinkID=113216).					

NOTE: For more information, type "`Get-Help Add-DRAUser -detailed`". For technical information, type "`Get-Help Add-DRAUser -full`".

Example 32-1 *1*

```
PS C:\>Add-DRAUser  -Domain MyDomain.corp -Properties
@{FriendlyParentPath="MyDomain.corp/
Accounting";Name="USER123";Description="PS Desc
001";ManagedBy="CN=George,CN=Users,DC=MYDOMAIN,DC=corp";samAccountName="CO
MP123"}
```

This example creates the user USER123 in Active Directory using the Name and DRA FriendlyParentPath properties. The user will be created in the domain MyDomain.corp in the Accounting OU. There are three properties set on this user: Description, ManagedBy, and samAccountName.

Example 32-2 *2*

```
PS C:\>Add-DRAUser  -Domain MyDomain.corp -Properties
@{DistinguishedName="CN=USER123,OU=Accounting,
DC=MyDomain,DC=corp";Description="User for
powershell";TrustedForDelegation=$true}
```

This example creates a user named USER123 in Active Directory using the DRA DistinguishedName property. The user will be created in the domain MyDomain.corp in the Accounting OU. There are two properties set on this user: Description and TrustedForDelegation. The samAccountName defaults to the name. The user principal name defaults to USER123@MyDomain.corp.

Example 32-3 *3*

```
PS C:\>Add-DRAUser  -Domain MyDomain.corp -Properties
@{FriendlyName="MyDomain.corp/Accounting/USER123";Description="User for
powershell";TrustedForDelegation=$true}
```

This example creates a user named USER123 in Active Directory using the DRA FriendlyName property. The user will be created in the domain MyDomain.corp in the Accounting OU. There are two properties set on this user: Description and TrustedForDelegation. The samAccountName defaults to the name. The user principal name defaults to USER123@MyDomain.corp.

Example 32-4 *4*

```
PS C:\>Add-DRAUser  -Domain MyDomain.corp -Properties
@{DistinguishedName="CN=myuser03,OU=SOME-OU,DC=DRDOM610,
"DC=lab";CreateEmail=$true;MailNickname="myuser03";EmailAddress="myuser03@
Mycompany.corp";LegacyExchangeDn= "/o=First/ou=Exchange Administrative
Group (FYDIBOHF23SPDLT)/CN=Recipients/CN=myuser03"}
```

This example creates a mail-enabled user in Active Directory. There are three email-related properties set on this user: CreateEmail, MailNickname, and LegacyExchangeDn. These three properties are required to create a mail-enabled user.

Example 32-5 *5*

```
PS C:\>Add-DRAUser -Domain Mydomain.corp -Properties {MailboxStore="LDAP:/
/Myserver.Mydomain.Corp/CN=Mailbox Database 0962326578,
CN=Databases,CN=Exchange Administrative Group
(FYDIBOHF23SPDLT),CN=Administrative Groups,CN=MessageStore1,
CN=MicrosoftExchange,CN=Services,CN=Configuration,DC=Mydomain,DC=corp";Dis
tinguishedName="CN=myuser04,OU=exec,DC=Mydomain,DC=corp";CreateMailbox=$tr
ue;MailNickname="myuser04";EmailAddress="myuser04@Mydomain.corp";UseDefaul
tMailboxStore=$true
```

This example creates a user named myuser04 with a mailbox in Active Directory. There are 5 email related properties set on this user. MailboxStore is required to connect to the Exchange server. CreateMailbox requests the user mailbox to be created. The MailNickname and EmailAddress are optionally specified. UseDefaultMailboxStore indicates the Exchange server to use the default mailbox store.

Add-DRAUserArchiveMailbox

Synopsis

Creates an archive mailbox for the user account specified by the Identifier, Alias, and MailboxStore parameters.

Syntax

```
Add-DRAUserArchiveMailbox -Domain <String> -ArchiveMailboxName <String> -
MailboxStore <String> -Identifier <String> [-DRARestServer <String>] [-
DRARestPort <Int32>] [-IgnoreCertificateErrors <SwitchParameter>] [-Force
<SwitchParameter>] [-Timeout <Int32>] [<CommonParameters>]
```

Description

The Add-DRAUserArchiveMailbox cmdlet creates an archive mailbox for the user specified by the Identifier. The user must already have an Exchange mailbox. The requesting user must have the Create Exchange Archive Mailbox Only power.

NOTE: You can use the `Add-DRAUserArchiveMailbox` cmdlet to create an archive of resource mailbox objects by specifying the identifier of the room or equipment mailbox in the `identifier` parameter.

Parameters

Attribute / Description	Parameters / Values				
	Required	**Position**	**Default Value**	**Accept Pipeline input?**	**Accept wildcard characters?**
ArchiveMailboxName <String> The name of the archive mailbox.	true	named		false	false
MailboxStore <String> Full path to the Exchange mailbox store. Use the `Get-DRAExchangeStores` command to list available mailbox stores managed by DRA.	true	named		false	false
Identifier <String> The name or distinguished name of an existing Active Directory object. When the name is specified, an additional call to the DRA Server is needed to obtain the distinguished name for the object.	true	named		true (ByPropertyName)	false
Domain <String> The domain of the object in FQDN format. For example: `mydomain.corp`	true	named		true (ByPropertyName)	false
DRARestServer [<String>] The name of the computer running the DRA Rest Service. The requested DRA operation will execute on this server. If the parameter is not specified, the value defaults to 'localhost'.	false	named		true (ByPropertyName)	false
DRARestPort [<Int32>] The port where the DRA REST Service listens for requests. If the parameter is not specified, the value defaults to 8755.	false	named	8755	true (ByPropertyName)	false

Attribute / Description	Parameters / Values				
	Required	**Position**	**Default Value**	**Accept Pipeline input?**	**Accept wildcard characters?**
IgnoreCertificateErrors [<SwitchParameter>] Allows the request to bypass any SSL certificate errors, such as the InvalidOperation error that occurs when the REST Service is bound to a self-signed certificate.	false	named		false	false
Force [<SwitchParameter>] Suppresses any request for user input and supplies a 'yes' response. For example: -Force with a delete request will perform the delete without presenting the confirmation request to the user.	false	named		false	false
Timeout [<Int32>] The number of seconds to wait before the request to the DRA REST server times out. To specify an infinite timeout, you can set this parameter to -1. ***<CommonParameters>*** Verbose, Debug, ErrorAction, ErrorVariable, WarningAction, WarningVariable, OutBuffer, PipelineVariable, and OutVariable. For more information, see About CommonParameters (http://go.microsoft.com/fwlink/?LinkID=113216).	false	named	100 seconds	true (ByPropertyName)	false

NOTE: For more information, type "`Get-Help Add-DRAUserArchiveMailbox -detailed`". For technical information, type "`Get-Help Add-DRAUserArchiveMailbox -full`".

Example 32-6 *1*

```
PS C:\>Add-DRAUserArchiveMailbox  -Domain MyDomain.corp -Identifier
"CN=USER123,OU=Accounting,DC=MyDomain,DC=corp" -ArchiveMailboxName
"User123Archive" -MailboxStore "LDAP://CN=Mailbox Database
0565232367,CN=Databases,CN=Exchange Administrative Group
(FYDIBOHF23SPDLT),CN=Administrative Groups,CN=First,CN=Microsoft
Exchange,CN=Services,CN=Configuration, DC=MyDomain,DC=corp
```

This example creates an archive mailbox named User123Archive for the user named USER123 in MyDomain.corp in the mailbox store specified in MailboxStore parameter.

Add-DRAUserMailbox

Synopsis

Adds an Exchange mailbox to an existing user.

Syntax

```
Add-DRAUserMailbox -Domain <String> -MailboxStore <String> [-MailboxType
<String>] [-UseDefaultMailboxStore <SwitchParameter>] [-MailNickname
<String>] [-LinkedMasterAccount <String>] -Identifier <String> [-
DRARestServer <String>] [-DRARestPort <Int32>] [-IgnoreCertificateErrors
<SwitchParameter>] [-Force <SwitchParameter>] [-Timeout <Int32>]
[<CommonParameters>]
```

Description

The Add-DRAUserMailbox cmdlet adds a mailbox to an existing user that is managed by DRA. The requesting user must have one of the Create Exchange Mailbox power. To convert an existing user to a resource mailbox, specify the MailboxType parameter.

Parameters

Attribute / Description	Parameters / Values				
	Required	**Position**	**Default Value**	**Accept Pipeline input?**	**Accept wildcard characters?**
MailboxStore <String> Full path to the Exchange mailbox store. Use the `Get-DRAExchangeStores` command to list available mailbox stores managed by DRA.	true	named		false	false
MailboxType[<String>] The type of resource mailbox you want to create. Valid values are 'room' or 'equipment'.	false	named		true (ByPropertyName)	false
UseDefaultMailboxStore [<SwitchParameter>] Flag denoting if the default Exchange mailbox store should be used when creating the mailbox.	false	named		false	false

Attribute / Description	Parameters / Values				
	Required	**Position**	**Default Value**	**Accept Pipeline input?**	**Accept wildcard characters?**
MailNickname [<String>] Specifies the Exchange alias for the mailbox. If not specified the sAMAccount name will be used.	false	named		false	false
LinkedMasterAccount [<String>] Specifies the master account to link the mailbox account to. The master account has access to the mailbox.	false	named		false	false
Identifier <String> The name or distinguished name of an existing Active Directory object. When the name is specified, an additional call to the DRA Server is needed to obtain the distinguished name for the object.	true	named		true (ByPropertyName)	false
Domain <String> The domain of the object in FQDN format. For example: `mydomain.corp`	true	named		true (ByPropertyName)	false
DRARestServer [<String>] The name of the computer running the DRA Rest Service. The requested DRA operation will execute on this server. If the parameter is not specified, the value defaults to 'localhost'.	false	named		true (ByPropertyName	false
DRARestPort [<Int32>] The port where the DRA REST Service listens for requests. If the parameter is not specified, the value defaults to 8755.	false	named	8755	true (ByPropertyName	false
IgnoreCertificateErrors [<SwitchParameter>] Allows the request to bypass any SSL certificate errors, such as the InvalidOperation error that occurs when the REST Service is bound to a self-signed certificate.	false	named		false	false

Attribute / Description	Parameters / Values				
	Required	**Position**	**Default Value**	**Accept Pipeline input?**	**Accept wildcard characters?**
Force [<SwitchParameter>] Suppresses any request for user input and supplies a 'yes' response. For example: -Force with a delete request will perform the delete without presenting the confirmation request to the user.	false	named		false	false
Timeout [<Int32>] The number of seconds to wait before the request to the DRA REST server times out. To specify an infinite timeout, you can set this parameter to -1.	false	named	100 seconds	true (ByPropertyName)	false
<CommonParameters> Verbose, Debug, ErrorAction, ErrorVariable, WarningAction, WarningVariable, OutBuffer, PipelineVariable, and OutVariable. For more information, see About CommonParameters (http://go.microsoft.com/fwlink/?LinkID=113216).					

NOTE: For more information, type "`Get-Help Add-DRAUserMailbox -detailed`". For technical information, type "`Get-Help Add-DRAUserMailbox -full`"

Example 32-7 *1*

```
PS C:\>Add-DRAUserMailbox  -Domain "MyDomain.corp" -Identifier
"CN=USER123,OU=Accounting,DC=MyDomain,DC=corp -MailboxStore "LDAP://
CN=Mailbox Database 0565232367,CN=Databases,CN=Exchange Administrative
Group    (FYDIBOHF23SPDLT),CN=Administrative Groups,CN=First,CN=Microsoft
Exchange,CN=Services,CN=Configuration, DC=MyDomain,DC=corp" -
UseDefaultMailboxStore -MailNickname "User123NN"
```

This example creates an Exchange mailbox for an existing user managed by DRA. You can use the command Get-DRAExchangeStores to get the value needed for the MailboxStore parameter. The MailNickname is set to User123NN. If this property is not present, the MailNickname defaults to the samAccountName. The UseDefaultMailboxStore option tells the Exchange server to use the default mailbox store.

***Example 32-8** 2*

```
PS C:\>Add-DRAUserMailbox  -Domain "MyDomain.corp" -Identifier
"CN=USER123,OU=Accounting,DC=MyDomain,DC=corp -MailboxStore "LDAP://
CN=Mailbox Database 0565232367,CN=Databases,CN=Exchange Administrative
Group    (FYDIBOHF23SPDLT),CN=Administrative Groups,CN=First,CN=Microsoft
Exchange,CN=Services,CN=Configuration, DC=MyDomain,DC=corp" -MailNickname
"User123NN"
```

This example creates an Exchange mailbox for an existing user managed by DRA. You can use the command Get-DRAExchangeStores to get the value needed for the MailboxStore parameter. The MailNickname is set to User123NN. If this property is not present, the MailNickname defaults to the samAccountName.

Copy-DRAUser

Synopsis

Copies an existing user to a new user.

Syntax

```
Copy-DRAUser -Domain <String> -Properties <Hashtable> -Identifier <String>
[-DRARestServer <String>] [-DRARestPort <Int32>] [-IgnoreCertificateErrors
<SwitchParameter>] [-Force <SwitchParameter>] [-Timeout <Int32>]
[<CommonParameters>]
```

Description

The Copy-DRAUser cmdlet copies an existing user property to a new user. The values provided in the -Properties parameter will overwrite the values provided by the existing user. You must supply the properties to give the new user a name and a location. See the Add-DRAUser for examples of how to define the new user. The response contains the string generated by the server.

Parameters

Attribute / Description	Parameters / Values				
	Required	**Position**	**Default Value**	**Accept Pipeline input?**	**Accept wildcard characters?**
Properties <Hashtable> A hashtable of property values. The key is the name of a defined attribute in the REST interface. For example: `-Properties @{Attribute1DRADisplayName="my value"; Attribute2DRADisplayName=value}` Multiple values are specified as a comma-separated list. For example:`-Properties @{Attribute1DRADisplayName=value1, value2}` If the property name contains non-alphanumeric characters it needs to be quoted. For example: `-Properties @{"Attribute1-DRA-DisplayName"=value}` If the property value contains a quote it needs to be escaped with a backtick (`).  For example: `-Properties @{Attribute1DRADisplayName="`"sample`" value"}`	true	named		true (ByPropertyName)	false
Identifier <String> The name or distinguished name of an existing Active Directory object. When the name is specified, an additional call to the DRA Server is needed to obtain the distinguished name for the object.	true	named		true (ByPropertyName)	false
Domain <String> The domain of the object in FQDN format. For example: `mydomain.corp`	true	named		true (ByPropertyName)	false

Attribute / Description	Parameters / Values				
	Required	**Position**	**Default Value**	**Accept Pipeline input?**	**Accept wildcard characters?**
DRARestServer [<String>] The name of the computer running the DRA Rest Service. The requested DRA operation will execute on this server. If the parameter is not specified, the value defaults to 'localhost'.	false	named		true (ByPropertyName)	false
DRARestPort [<Int32>] The port where the DRA REST Service listens for requests. This parameter is only used when the DRARestServer parameter is also specified. If the parameter is not specified, the value defaults to 8755.	false	named	8755	true (ByPropertyName)	false
IgnoreCertificateErrors [<SwitchParameter>] Allows the request to bypass any SSL certificate errors, such as the InvalidOperation error that occurs when the REST Service is bound to a self-signed certificate.	false	named		false	false
Force [<SwitchParameter>] Suppresses any request for user input and supplies a 'yes' response. For example: -Force with a delete request will perform the delete without presenting the confirmation request to the user.	false	named		false	false
Timeout [<Int32>] The number of seconds to wait before the request to the DRA REST server times out. To specify an infinite timeout, you can set this parameter to -1.	false	named	100 seconds	true (ByPropertyName)	false

Attribute / Description	Parameters / Values				
	Required	Position	Default Value	Accept Pipeline input?	Accept wildcard characters?
<CommonParameters> Verbose, Debug, ErrorAction, ErrorVariable, WarningAction, WarningVariable, OutBuffer, PipelineVariable, and OutVariable. For more information, see About CommonParameters (http://go.microsoft.com/fwlink/?LinkID=113216).					

NOTE: For more information, type "`Get-Help Copy-DRAUser -detailed`". For technical information, type "`Get-Help Copy-DRAUser -full`".

Example 32-9 *1*

```
PS C:\>Copy-DRAUser -Identifier
"CN=Usersource,OU=Accounting,DC=MyDomain,DC=corp" -Properties
@{distinguishedName="CN=USER123,OU=Tax,DC=MyDomain,DC=corp"} -domain
MyDomain.corp
```

This example will copy the user named Usersource from the Accounting OU in MyDomain.corp to a new user named USER123 in the Tax OU in MyDomain.corp. The properties of USER123 will be the same as the properties of Usersource.

Example 32-10 *2*

```
PS C:\>Copy-DRAUser -Identifier
"CN=Usersource,OU=Accounting,DC=MyDomain,DC=corp" -Properties
@{distinguishedName="CN=USER123,OU=Tax,DC=MyDomain,DC=corp";Description="T
ax group member"} -domain MyDomain.corp
```

This example will copy the user named Usersource from the Accounting OU in MyDomain.corp to a new user named USER123 in the Tax OU in MyDomain.corp. The Description property for USER123 will be set to 'Tax group member'.

Example 32-11 *3*

```
PS C:\>Copy-DRAUser -Identifier
"CN=Usersource,OU=Accounting,DC=MyDomain,DC=corp" -Properties
@{distinguishedName="CN=USER123,OU=Tax,DC=MyDomain,DC=corp";Description="T
ax group member";MailboxStore="LDAP://Myserver.Mydomain.Corp/CN=Mailbox
Database 0962326578,CN=Databases,CN=Exchange Administrative Group
(FYDIBOHF23SPDLT),CN=Administrative Groups,CN=MessageStore1,CN=Microsoft
Exchange,CN=Services,CN=Configuration,DC=Mydomain,DC=corp";UseDefaultMailb
oxStore=$true} -domain MyDomain.corp
```

This example will copy the user named Usersource from the Accounting OU in MyDomain.corp to a new user named USER123 in the Tax OU in MyDomain.corp. The Description property for USER123 will be set to 'Tax group member'. A mailbox will be created using the specified mailbox store to connect to the Exchange server. An optional UseDefaultMailboxStore flag requestes the Exchange server to use the default mailbox store.

Disable-DRAOffice365ArchiveMailbox

Synopsis

Disables the Office 365 or Exchange Online archive mailbox for the user account specified by the Identifier parameter.

Syntax

```
Disable-DRAOffice365ArchiveMailbox -Domain <String> [-DomainController
<String>] -Identifier <String> [-DRARestServer <String>] [-DRARestPort
<Int32>] [-IgnoreCertificateErrors <SwitchParameter>] [-Force
<SwitchParameter>] [-Timeout <Int32>] [<CommonParameters>]
```

Description

The Disable-DRAOffice365ArchiveMailbox cmdlet disables the Office 365 or Exchange Online archive mailbox for the user account specified by the Identifier parameter. The requesting user must have the Disable User Account power.

Parameters

Attribute / Description	Parameters / Values				
	Required	**Position**	**Default Value**	**Accept Pipeline input?**	**Accept wildcard characters?**
DomainController [<String>] The computer name of a specific domain controller to use for the request.	false	named		true (ByPropertyName)	false
Identifier <String> The name or distinguished name of an existing Active Directory object. When the name is specified, an additional call to the DRA Server is needed to obtain the distinguished name for the object.	true	named		true (ByPropertyName)	false

Attribute / Description	Parameters / Values				
	Required	**Position**	**Default Value**	**Accept Pipeline input?**	**Accept wildcard characters?**
Domain <String> The domain of the object in FQDN format. For example: `mydomain.corp`	true	named		true (ByPropertyName)	false
DRARestServer [<String>] The name of the computer running the DRA Rest Service. The requested DRA operation will execute on this server. If the parameter is not specified, the value defaults to 'localhost'.	false	named		true (ByPropertyName)	false
DRARestPort [<Int32>] The port where the DRA REST Service listens for requests. If the parameter is not specified, the value defaults to 8755.	false	named	8755	true (ByPropertyName)	false
IgnoreCertificateErrors [<SwitchParameter>] Allows the request to bypass any SSL certificate errors, such as the InvalidOperation error that occurs when the REST Service is bound to a self-signed certificate.	false	named		false	false
Force [<SwitchParameter>] Suppresses any request for user input and supplies a 'yes' response. For example: -Force with a delete request will perform the delete without presenting the confirmation request to the user.	false	named		false	false
Timeout [<Int32>] The number of seconds to wait before the request to the DRA REST server times out. To specify an infinite timeout, you can set this parameter to -1.	false	named	100 seconds	true (ByPropertyName)	false

Attribute / Description	Parameters / Values				
	Required	Position	Default Value	Accept Pipeline input?	Accept wildcard characters?
<CommonParameters> Verbose, Debug, ErrorAction, ErrorVariable, WarningAction, WarningVariable, OutBuffer, PipelineVariable, and OutVariable. For more information, see About CommonParameters (http://go.microsoft.com/fwlink/?LinkID=113216).					

NOTE: For more information, type "`Get-Help Disable-DRAOffice365ArchiveMailbox -detailed`". For technical information, type "`Get-Help Disable-DRAOffice365ArchiveMailbox -full`".

Example 32-12 *1*

```
PS C:\>Disable-DRAOffice365ArchiveMailbox  -Domain MyDomain.corp -
Identifier    "CN=USER123,OU=Accounting,DC=MyDomain,DC=corp"
```

This example disables the Office 365 or Exchange Online archive mailbox for the user named USER123 in MyDomain.corp. The identifier contains the distinguished name for the user.

Disable-DRAUser

Synopsis

Disables the user account specified by the Identifier parameter.

Syntax

```
Disable-DRAUser -Domain <String> [-DomainController <String>] -Identifier
<String> [-DRARestServer <String>] [-DRARestPort <Int32>] [-
IgnoreCertificateErrors <SwitchParameter>] [-Force <SwitchParameter>] [-
Timeout <Int32>] [<CommonParameters>]
```

Description

The Disable-DRAUser cmdlet disables the account specified by the Identifier parameter. The requesting user must have the Disable User Account power.

Parameters

Attribute / Description	Parameters / Values				
	Required	**Position**	**Default Value**	**Accept Pipeline input?**	**Accept wildcard characters?**
DomainController [<String>] The computer name of a specific domain controller to use for the request.	false	named		true (ByPropertyName)	false
RestoreToContainer [<String>] The distinguished name of the container to which you want to restore the object. If this parameter is not specified, DRA will attempt to restore the object to its original container.	false	named		true (ByPropertyName)	false
Identifier <String> The name or distinguished name of an existing Active Directory object. When the name is specified, an additional call to the DRA Server is needed to obtain the distinguished name for the object.	true	named		true (ByPropertyName)	false
Domain <String> The domain of the object in FQDN format. For example: `mydomain.corp`	true	named		true (ByPropertyName)	false
DRARestServer [<String>] The name of the computer running the DRA Rest Service. The requested DRA operation will execute on this server. If the parameter is not specified, the value defaults to 'localhost'.	false	named		true (ByPropertyName)	false
DRARestPort [<Int32>] The port where the DRA REST Service listens for requests. If the parameter is not specified, the value defaults to 8755.	false	named	8755	true (ByPropertyName)	false

Attribute / Description	Parameters / Values				
	Required	**Position**	**Default Value**	**Accept Pipeline input?**	**Accept wildcard characters?**
IgnoreCertificateErrors [<SwitchParameter>] Allows the request to bypass any SSL certificate errors, such as the InvalidOperation error that occurs when the REST Service is bound to a self-signed certificate.	false	named		false	false
Force [<SwitchParameter>] Suppresses any request for user input and supplies a 'yes' response. For example: -Force with a delete request will perform the delete without presenting the confirmation request to the user.	false	named		false	false
Timeout [<Int32>] The number of seconds to wait before the request to the DRA REST server times out. To specify an infinite timeout, you can set this parameter to -1. ***<CommonParameters>*** Verbose, Debug, ErrorAction, ErrorVariable, WarningAction, WarningVariable, OutBuffer, PipelineVariable, and OutVariable. For more information, see About CommonParameters (http://go.microsoft.com/fwlink/?LinkID=113216).	false	named	100 seconds	true (ByPropertyName)	false

NOTE: For more information, type "`Get-Help Disable-DRAUser -detailed`". For technical information, type "`Get-Help Disable-DRAUser -full`".

Example 32-13 *1*

```
PS C:\>Disable-DRAUser -Domain MyDomain.corp -Identifier "USER123" -DC
"BestDC"
```

This example disables the user named USER123 in MyDomain.corp. The identifier contains the name for the user. The name is converted to the distinguished name by making an additional call to the DRA Server. The request will be processed by the domain controller BestDC.

***Example 32-14** 2*

```
PS C:\>Disable-DRAUser  -Domain MyDomain.corp -Identifier
"CN=USER123,OU=Accounting,DC=MyDomain,DC=corp"
```

This example disables the user named USER123 in MyDomain.corp. The identifier contains the distinguished name for the user.

Disable-DRAUserEmail

Synopsis

Disables email for the user account specified by the Identifier parameter.

Syntax

```
Disable-DRAUserEmail -Domain <String> -Identifier <String> [-DRARestServer
<String>] [-DRARestPort <Int32>] [-IgnoreCertificateErrors
<SwitchParameter>] [-Force <SwitchParameter>] [-Timeout <Int32>]
[<CommonParameters>]
```

Description

The Disable-DRAUserEmail cmdlet disables email on the account specified by the Identifier parameter. The requesting user must have the Delete Email for User power.

Parameters

Attribute / Description	Parameters / Values				
	Required	**Position**	**Default Value**	**Accept Pipeline input?**	**Accept wildcard characters?**
Identifier <String> The name or distinguished name of an existing Active Directory object. When the name is specified, an additional call to the DRA Server is needed to obtain the distinguished name for the object.	true	named		true (ByPropertyName)	false
Domain <String> The domain of the object in FQDN format. For example: `mydomain.corp`	true	named		true (ByPropertyName)	false

Attribute / Description	Parameters / Values				
	Required	**Position**	**Default Value**	**Accept Pipeline input?**	**Accept wildcard characters?**
DRARestServer [<String>] The name of the computer running the DRA Rest Service. The requested DRA operation will execute on this server. If the parameter is not specified, the value defaults to 'localhost'.	false	named		true (ByPropertyName)	false
DRARestPort [<Int32>] The port where the DRA REST Service listens for requests. This parameter is only used when the DRARestServer parameter is also specified. If the parameter is not specified, the value defaults to 8755.	false	named	8755	true (ByPropertyName)	false
IgnoreCertificateErrors [<SwitchParameter>] Allows the request to bypass any SSL certificate errors, such as the InvalidOperation error that occurs when the REST Service is bound to a self-signed certificate.	false	named		false	false
Force [<SwitchParameter>] Suppresses any request for user input and supplies a 'yes' response. For example: -Force with a delete request will perform the delete without presenting the confirmation request to the user.	false	named		false	false
Timeout [<Int32>] The number of seconds to wait before the request to the DRA REST server times out. To specify an infinite timeout, you can set this parameter to -1.	false	named	100 seconds	true (ByPropertyName)	false

Attribute / Description	Parameters / Values				
	Required	**Position**	**Default Value**	**Accept Pipeline input?**	**Accept wildcard characters?**
<CommonParameters> Verbose, Debug, ErrorAction, ErrorVariable, WarningAction, WarningVariable, OutBuffer, PipelineVariable, and OutVariable. For more information, see About CommonParameters (http://go.microsoft.com/fwlink/?LinkID=113216).					

NOTE: For more information, type "`Get-Help Disable-DRAUserEmail -detailed`". For technical information, type "`Get-Help Disable-DRAUserEmail -full`".

Example 32-15 *1*

```
PS C:\>Disable-DRAUserEmail  -Domain MyDomain.corp -Identifier
"CN=USER123,OU=Accounting,DC=MyDomain,DC=corp"
```

This example disables email for the user named USER123 in MyDomain.corp. The identifier contains the distinguished name for the user.

Enable-DraCsUser

Synopsis

Enables Skype for the user account specified by the Identifier parameter.

Syntax

```
Enable-DraCsUser -Domain <String> -RegistrarPool <String> [-SipAddress
<String>] [-SipAddressType <String>] [-SipDomain <String>] -Identifier
<String> [-DRARestServer <String>] [-DRARestPort <Int32>] [-
IgnoreCertificateErrors <SwitchParameter>] [-Force <SwitchParameter>] [-
Timeout <Int32>] [<CommonParameters>]
```

Description

The `Enable-DraCsUser` cmdlet enables Skype for the specified user account. The requesting user must have the Enable Skype power.

Parameters

Attribute / Description	Parameters / Values				
	Required	**Position**	**Default Value**	**Accept Pipeline input?**	**Accept wildcard characters?**
RegistrarPool <String> The Registrar pool. For example, `Myserver.Mydomain.corp`.	true	named		true (ByPropertyName)	false
SipAddress [<String>] The user's SIP address. For example: `MyUserName@Mydomain.corp`. The SipAddress parameter can not be used simultaneously with the SipAddressType parameter.	false	named		true (ByPropertyName)	false
SipAddressType [<String>] 'SamAccountName', 'EmailAddress', and 'UserPrincipalName'. The SipDomain parameter must also be specied if 'FirstLastName' or 'SameAccountName' are specified. This parameter should not be used when specifying a SIP address using the SipAddress parameter.	false	named		true (ByPropertyName)	false
SipDomain [<String>] The user's SIP domain. If SipAddressType parameter is 'FirstLastName' or 'SamAccountName' then the SipDomain parameter is required. For example: Mydomain.corp.	false	named		true (ByPropertyName)	false
Identifier <String> The name or distinguished name of an existing Active Directory object. When the name is specified, an additional call to the DRA Server is needed to obtain the distinguished name for the object.	true	named		true (ByPropertyName)	false

Attribute / Description	Parameters / Values				
	Required	**Position**	**Default Value**	**Accept Pipeline input?**	**Accept wildcard characters?**
Domain <String> The domain of the object in FQDN format. For example: `mydomain.corp`	true	named		true (ByPropertyName)	false
DRARestServer [<String>] The name of the computer running the DRA Rest Service. The requested DRA operation will execute on this server. If the parameter is not specified, the value defaults to 'localhost'.	false	named		true (ByPropertyName)	false
DRARestPort [<Int32>] The port where the DRA REST Service listens for requests. If the parameter is not specified, the value defaults to 8755.	false	named	8755	true (ByPropertyName)	false
IgnoreCertificateErrors [<SwitchParameter>] Allows the request to bypass any SSL certificate errors, such as the InvalidOperation error that occurs when the REST Service is bound to a self-signed certificate.	false	named		false	false
Force [<SwitchParameter>] Suppresses any request for user input and supplies a 'yes' response. For example: -Force with a delete request will perform the delete without presenting the confirmation request to the user.	false	named		false	false
Timeout [<Int32>] The number of seconds to wait before the request to the DRA REST server times out. To specify an infinite timeout, you can set this parameter to -1.	false	named	100 seconds	false	false

Attribute / Description	Parameters / Values				
	Required	Position	Default Value	Accept Pipeline input?	Accept wildcard characters?
<CommonParameters> Verbose, Debug, ErrorAction, ErrorVariable, WarningAction, WarningVariable, OutBuffer, PipelineVariable, and OutVariable. For more information, see About CommonParameters (http://go.microsoft.com/fwlink/?LinkID=113216).					

NOTE: For more information, type "`Get-Help Enable-DraCsUser -detailed`". For technical information, type "`Get-Help Enable-DraCsUser -full`".

Example 32-16 *1*

```
PS C:\>Enable-DraCsUser -Domain MyDomain.corp -Identifier
"CN=USER123,OU=Accounting,DC=MyDomain,DC=corp" -RegistrarPool
"MyServer.MyDomain.corp" -SipAddress "USER123@MyDomain.corp"
```

This example enables skype for the user named USER123 in MyDomain.corp. The identifier contains the distinguished name for the user.

Example 32-17 *2*

```
PS C:\>Enable-DraCsUser -Domain MyDomain.corp -Identifier
"CN=USER123,OU=Accounting,DC=MyDomain,DC=corp" -RegistrarPool
"MyServer.MyDomain.corp" -SipAddress "SamAccountName" -SipDomain
"MyDomain.corp"
```

This example enables skype for the user named USER123 in MyDomain.corp. The identifier contains the distinguished name for the user. The SIP address is the user's SamAccountName followed by the SIP domain. If you use 'SamAccountName' or 'FirstLastName' SIP address type then you must also include the SipDomain parameter. SipDomain parameter is not required if you base SIP addresses on the user's 'EmailAddress' or 'UserPrincipalName'.

Enable-DRAOffice365ArchiveMailbox

Synopsis

Enables the Office 365 or Exchange Online archive mailbox for the user account specified by the Identifier parameter.

Syntax

```
Enable-DRAOffice365ArchiveMailbox -Domain <String> [-DomainController
<String>] -Identifier <String> [-DRARestServer <String>] [-DRARestPort
<Int32>] [-IgnoreCertificateErrors <SwitchParameter>] [-Force
<SwitchParameter>] [-Timeout <Int32>] [<CommonParameters>]
```

Description

The Enable-DRAOffice365ArchiveMailbox cmdlet enables the Office 365 or Exchange Online archive mailbox for the user account specified by the Identifier parameter. The requesting user must have the Enable User Account power.

Parameters

Attribute / Description	Parameters / Values				
	Required	**Position**	**Default Value**	**Accept Pipeline input?**	**Accept wildcard characters?**
DomainController [<String>] The computer name of a specific domain controller to use for the request.	false	named		true (ByPropertyName)	false
Identifier <String> The name or distinguished name of an existing Active Directory object. When the name is specified, an additional call to the DRA Server is needed to obtain the distinguished name for the object.	true	named		true (ByPropertyName)	false
Domain <String> The domain of the object in FQDN format. For example: `mydomain.corp`	true	named		true (ByPropertyName)	false
DRARestServer [<String>] The name of the computer running the DRA Rest Service. The requested DRA operation will execute on this server. If the parameter is not specified, the value defaults to 'localhost'.	false	named		true (ByPropertyName)	false

Attribute / Description	Parameters / Values				
	Required	**Position**	**Default Value**	**Accept Pipeline input?**	**Accept wildcard characters?**
DRARestPort [<Int32>] The port where the DRA REST Service listens for requests. If the parameter is not specified, the value defaults to 8755.	false	named	8755	true (ByPropertyName)	false
IgnoreCertificateErrors [<SwitchParameter>] Allows the request to bypass any SSL certificate errors, such as the InvalidOperation error that occurs when the REST Service is bound to a self-signed certificate.	false	named		false	false
Force [<SwitchParameter>] Suppresses any request for user input and supplies a 'yes' response. For example: -Force with a delete request will perform the delete without presenting the confirmation request to the user.	false	named		false	false
Timeout [<Int32>] The number of seconds to wait before the request to the DRA REST server times out. To specify an infinite timeout, you can set this parameter to -1. ***<CommonParameters>*** Verbose, Debug, ErrorAction, ErrorVariable, WarningAction, WarningVariable, OutBuffer, PipelineVariable, and OutVariable. For more information, see About CommonParameters (http://go.microsoft.com/fwlink/?LinkID=113216).	false	named	100 seconds	true (ByPropertyName)	false

NOTE: For more information, type "`Get-Help Enable-DRAOffice365ArchiveMailbox -detailed`". For technical information, type "`Get-Help Enable-DRAOffice365ArchiveMailbox -full`".

***Example 32-18** 1*

```
PS C:\>Enable-DRAOffice365ArchiveMailbox  -Domain MyDomain.corp -
Identifier   "CN=USER123,OU=Accounting,DC=MyDomain,DC=corp"
```

This example enables the Office 365 or Exchange Online archive mailbox for the user named USER123 in MyDomain.corp. The identifier contains the distinguished name for the user.

Enable-DRAUser

Synopsis

Enables the user account specified by the Identifier parameter.

Syntax

```
Enable-DRAUser -Domain <String> [-DomainController <String>] -Identifier
<String> [-DRARestServer <String>] [-DRARestPort <Int32>] [-
IgnoreCertificateErrors <SwitchParameter>] [-Force <SwitchParameter>] [-
Timeout <Int32>] [<CommonParameters>]
```

Description

The Enable-DRAUser cmdlet enables the user account specified by the Identifier parameter. The requesting user must have the Enable User Account power.

Parameters

Attribute / Description	Parameters / Values				
	Required	**Position**	**Default Value**	**Accept Pipeline input?**	**Accept wildcard characters?**
DomainController [<String>] The computer name of a specific domain controller to use for the request.	false	named		true (ByPropertyName)	false
RestoreToContainer [<String>] The distinguished name of the container to which you want to restore the object. If this parameter is not specified, DRA will attempt to restore the object to its original container.	false	named		true (ByPropertyName)	false

Attribute / Description	Parameters / Values				
	Required	**Position**	**Default Value**	**Accept Pipeline input?**	**Accept wildcard characters?**
Identifier <String> The name or distinguished name of an existing Active Directory object. When the name is specified, an additional call to the DRA Server is needed to obtain the distinguished name for the object.	true	named		true (ByPropertyName)	false
Domain <String> The domain of the object in FQDN format. For example: `mydomain.corp`	true	named		true (ByPropertyName)	false
DRARestServer [<String>] The name of the computer running the DRA Rest Service. The requested DRA operation will execute on this server. If the parameter is not specified, the value defaults to 'localhost'.	false	named		true (ByPropertyName)	false
DRARestPort [<Int32>] The port where the DRA REST Service listens for requests. If the parameter is not specified, the value defaults to 8755.	false	named	8755	true (ByPropertyName)	false
IgnoreCertificateErrors [<SwitchParameter>] Allows the request to bypass any SSL certificate errors, such as the InvalidOperation error that occurs when the REST Service is bound to a self-signed certificate.	false	named		false	false
Force [<SwitchParameter>] Suppresses any request for user input and supplies a 'yes' response. For example: -Force with a delete request will perform the delete without presenting the confirmation request to the user.	false	named		false	false

Attribute / Description	Parameters / Values				
	Required	**Position**	**Default Value**	**Accept Pipeline input?**	**Accept wildcard characters?**
Timeout [<Int32>] The number of seconds to wait before the request to the DRA REST server times out. To specify an infinite timeout, you can set this parameter to -1.	false	named	100 seconds	true (ByPropertyName)	false
<CommonParameters> Verbose, Debug, ErrorAction, ErrorVariable, WarningAction, WarningVariable, OutBuffer, PipelineVariable, and OutVariable. For more information, see About CommonParameters (http://go.microsoft.com/fwlink/?LinkID=113216).					

NOTE: For more information, type "`Get-Help Enable-DRAUser -detailed`". For technical information, type "`Get-Help Enable-DRAUser -full`".

Example 32-19 *1*

```
PS C:\>Enable-DRAUser  -Domain MyDomain.corp -Identifier
"CN=USER123,OU=Accounting,DC=MyDomain,DC=corp"
```

This example enables the user named USER123 in MyDomain.corp. The identifier contains the distinguished name for the user.

Example 32-20 *2*

```
PS C:\>Enable-DRAUser  -Domain MyDomain.corp -Identifier "USER123" -DC
"BestDC"
```

This example enables the user named USER123 in MyDomain.corp. The identifier contains the name for the user. The name is converted to the distinguished name by making an additional call to the DRA Server. The request will be processed by the domain controller BestDC.

Enable-DRAUserEmail

Synopsis

Enables email for the user account specified by the Identifier parameter.

Syntax

```
Enable-DRAUserEmail -Domain <String> -ExchangeDN <String> -EmailAddress
<String> -Identifier <String> [-DRARestServer <String>] [-DRARestPort
<Int32>] [-IgnoreCertificateErrors <SwitchParameter>] [-Force
<SwitchParameter>] [-Timeout <Int32>] [<CommonParameters>]
```

Description

The Enable-DRAUserEmail cmdlet enables email for the specified user account. The requesting user must have the Enable Email for User power.

Parameters

Attribute / Description	Parameters / Values				
	Required	**Position**	**Default Value**	**Accept Pipeline input?**	**Accept wildcard characters?**
ExchangeDN <String> A Full path to the Exchange service. Use the `Get-DRAExchangeServers` command to obtain the list of Exchange servers managed through DRA.	true	named		false	false
EmailAddress<String> The full email address for the account. For example: `MyUserName@mydomain.corp`.	true	named		false	false
Identifier <String> The name or distinguished name of an existing Active Directory object. When the name is specified, an additional call to the DRA Server is needed to obtain the distinguished name for the object.	true	named		true (ByPropertyName)	false
Domain <String> The domain of the object in FQDN format. For example: `mydomain.corp`	true	named		true (ByPropertyName)	false

Attribute / Description	Parameters / Values				
	Required	**Position**	**Default Value**	**Accept Pipeline input?**	**Accept wildcard characters?**
DRARestServer [<String>] The name of the computer running the DRA Rest Service. The requested DRA operation will execute on this server. If the parameter is not specified, the value defaults to 'localhost'.	false	named		true (ByPropertyName	false
DRARestPort [<Int32>] The port where the DRA REST Service listens for requests. If the parameter is not specified, the value defaults to 8755.	false	named	8755	true (ByPropertyName	false
IgnoreCertificateErrors [<SwitchParameter>] Allows the request to bypass any SSL certificate errors, such as the InvalidOperation error that occurs when the REST Service is bound to a self-signed certificate.	false	named		false	false
Force [<SwitchParameter>] Suppresses any request for user input and supplies a 'yes' response. For example: -Force with a delete request will perform the delete without presenting the confirmation request to the user.	false	named		false	false
Timeout [<Int32>] The number of seconds to wait before the request to the DRA REST server times out. To specify an infinite timeout, you can set this parameter to -1.	false	named	100 seconds	true (ByPropertyName)	false

Attribute / Description	Parameters / Values				
	Required	Position	Default Value	Accept Pipeline input?	Accept wildcard characters?
<CommonParameters> Verbose, Debug, ErrorAction, ErrorVariable, WarningAction, WarningVariable, OutBuffer, PipelineVariable, and OutVariable. For more information, see About CommonParameters (http://go.microsoft.com/fwlink/?LinkID=113216).					

NOTE: For more information, type "`Get-Help Enable-DRAUserEmail -detailed`". For technical information, type "`Get-Help Enable-DRAUserEmail -full`".

Example 32-21 *1*

```
PS C:\>Enable-DRAUserEmail  -Domain MyDomain.corp -Identifier
"CN=USER123,OU=Accounting,DC=MyDomain,DC=corp"
```

This example enables email for the user named USER123 in MyDomain.corp. The identifier contains the distinguished name for the user.

Get-DRAMoveMailboxStatus

Synopsis

Gets the move mailbox status for the user account specified by the Identifier parameter.

Syntax

```
Set-DRAMoveMailboxStatus -Domain <String> -Identifier <String> [-
DRARestServer <String>] [-DRARestPort <Int32>] [-IgnoreCertificateErrors
<SwitchParameter>] [-Force <SwitchParameter>] [-Timeout <Int32>]
[<CommonParameters>]
```

Description

The Get-DRAMoveMailboxStatus cmdlet get move mailbox status on the account specified by the Identifier parameter. The requesting user must have the Move Exchange Mailbox power.

Parameters

Attribute / Description	Parameters / Values				
	Required	**Position**	**Default Value**	**Accept Pipeline input?**	**Accept wildcard characters?**
I***dentifier <String>*** The name or distinguished name of an existing Active Directory object. When the name is specified, an additional call to the DRA Server is needed to obtain the distinguished name for the object.	true	named		true (ByPropertyName)	false
Domain <String> The domain of the object in FQDN format. For example: `mydomain.corp`	true	named		true (ByPropertyName)	false
DRARestServer [<String>] The name of the computer running the DRA Rest Service. The requested DRA operation will execute on this server. If the parameter is not specified, the value defaults to 'localhost'.	false	named		true (ByPropertyName)	false
DRARestPort [<Int32>] The port where the DRA REST Service listens for requests. If the parameter is not specified, the value defaults to 8755.	false	named	8755	true (ByPropertyName)	false
IgnoreCertificateErrors [<SwitchParameter>] Allows the request to bypass any SSL certificate errors, such as the InvalidOperation error that occurs when the REST Service is bound to a self-signed certificate.	false	named		false	false
Force [<SwitchParameter>] Suppresses any request for user input and supplies a 'yes' response. For example: -Force with a delete request will perform the delete without presenting the confirmation request to the user.	false	named		false	false

Attribute / Description	Parameters / Values				
	Required	**Position**	**Default Value**	**Accept Pipeline input?**	**Accept wildcard characters?**
Timeout [<Int32>] The number of seconds to wait before the request to the DRA REST server times out. To specify an infinite timeout, you can set this parameter to -1. ***<CommonParameters>*** Verbose, Debug, ErrorAction, ErrorVariable, WarningAction, WarningVariable, OutBuffer, PipelineVariable, and OutVariable. For more information, see About CommonParameters (http://go.microsoft.com/fwlink/?LinkID=113216).	false	named	100 seconds	true (ByPropertyName)	false

NOTE: For more information, type "`Get-Help Get-DRAMoveMailboxStatus -detailed`". For technical information, type "`Get-Help Get-DRAMoveMailboxStatus -full`".

Example 32-22 *1*

```
PS C:\>>Get-DRAMoveMailboxStatus  -Domain MyDomain.corp -Identifier
"CN=USER123,OU=Accounting,DC=MyDomain,DC=corp"
```

This example gets the move mailbox status for the user named USER123 in MyDomain.corp. The identifier contains the distinguished name for the user.

Get-DRAUser

Synopsis

Gets information about the Active Directory user account specified by the Identifier parameter.

Syntax

```
Get-DRAUser -Domain <String> [-IncludeAllVAProperties <SwitchParameter>]
[-Attributes <String[]>] [-PowersForOperations <String[]>] [-
VisiblePropertiesOnly <SwitchParameter>] -Identifier <String> [-
DRARestServer <String>] [-DRARestPort <Int32>] [-IgnoreCertificateErrors
<SwitchParameter>] [-Force <SwitchParameter>] [-Timeout <Int32>]
[<CommonParameters>]
```

Description

The Get-DRAUser cmdlet returns the properties of the requested a user account with an on-premises Exchange mailbox or an user account with an Exchange Online mailbox (synced user account).

The requesting user must have the View All User Properties power. You can view the default list of properties or specify specific properties. The default properties of a user include: `Description`, `DistinguishedName`, `DisplayName`, `SAMAccountName`, `UserPrincipalName`, `IsDisabled`, `FriendlyName`, `FriendlyPath`, and `WinNTPath`.

See the examples for information on how to view specific properties.

Parameters

Attribute / Description	Parameters / Values				
	Required	**Position**	**Default Value**	**Accept Pipeline input?**	**Accept wildcard characters?**
IncludeAllVAProperties [<SwitchParameter>] A flag to indicate whether DRA should return the virtual attributes. If you specify this flag, DRA returns the virtual attributes that the user has powers to view. If you specify the `Attributes` parameter along with this flag, DRA returns the virtual attributes along with the properties specified in the `Attributes` parameter.	false	named		false	false
Attributes [<String[]>] An array of attributes to retrieve values for. If this parameter is missing, a default list of properties is returned.	false	named		true (ByPropertyName)	false
PowersForOperations [<String[]>] An array of DRA operation names for which you want the server to return read/write permission information.This parameter is typically used by a UI-based client to hide or disable elements the calling user doesn't have powers for.	false	named		true (ByPropertyName)	false

Attribute / Description	Parameters / Values				
	Required	**Position**	**Default Value**	**Accept Pipeline input?**	**Accept wildcard characters?**
VisiblePropertiesOnly [<SwitchParameter>] A flag to indicate whether DRA should return only properties the caller has powers to view. By default DRA will return an error if the caller requests a property that they do not have powers to view. By specifying this flag, DRA is instructed to not return an error and instead just not return a value for such properties.	false	named		false	false
Identifier <String> The name or distinguished name of an existing Active Directory object. When the name is specified, an additional call to the DRA Server is needed to obtain the distinguished name for the object.	true	named		true (ByPropertyName)	false
Domain <String> The domain of the object in FQDN format. For example: `mydomain.corp`	true	named		true (ByPropertyName)	false
DRARestServer [<String>] The name of the computer running the DRA Rest Service. The requested DRA operation will execute on this server. If the parameter is not specified, the value defaults to 'localhost'.	false	named		true (ByPropertyName)	false
DRARestPort [<Int32>] The port where the DRA REST Service listens for requests. If the parameter is not specified, the value defaults to 8755.	false	named	8755	true (ByPropertyName)	false

Attribute / Description	Parameters / Values				
	Required	**Position**	**Default Value**	**Accept Pipeline input?**	**Accept wildcard characters?**
IgnoreCertificateErrors [<SwitchParameter>] Allows the request to bypass any SSL certificate errors, such as the InvalidOperation error that occurs when the REST Service is bound to a self-signed certificate.	false	named		false	false
Force [<SwitchParameter>] Suppresses any request for user input and supplies a 'yes' response. For example: -Force with a delete request will perform the delete without presenting the confirmation request to the user.	false	named		false	false
Timeout [<Int32>] The number of seconds to wait before the request to the DRA REST server times out. To specify an infinite timeout, you can set this parameter to -1.	false	named	100 seconds	true (ByPropertyName)	false
<CommonParameters> Verbose, Debug, ErrorAction, ErrorVariable, WarningAction, WarningVariable, OutBuffer, PipelineVariable, and OutVariable. For more information, see About CommonParameters (http://go.microsoft.com/fwlink/?LinkID=113216).					

NOTE: For more information, type "`Get-Help Get-DRAUser -detailed`". For technical information, type "`Get-Help Get-DRAUser -full`".

Example 32-23 *1*

```
PS C:\>Get-DRAUser  -Domain MyDomain.corp -Identifier "CN=Alfred
O365,OU=Tax,DC=MYDOM,DC=CORP" -Attributes
"office365DeliverAndForward","office365ForwardingAddress","office365FullAc
cess","office365SendAs"
```

This example requests few of the Office 365 or Exchange Online mailbox properties for the synced user named Alfred O365. The Attributes parameter specifies what properties to return. When the Attributes parameter is not present, a default list of properties will be returned. For a list of Exchange Online mailbox properties that can be managed for a synced user, see Exchange Online Properties.

Example 32-24 *2*

```
PS C:\>Get-DRAUser  -Domain MyDomain.corp -Identifier
"CN=USER123,OU=Accounting,DC=MyDomain,DC=corp"
```

This example requests the properties of the user named USER123 in MyDomain.corp. The identifier contains the distinguished name for the user.

Example 32-25 *3*

```
PS C:\>Get-DRAUser -Domain MyDomain.corp -Identifier "USER123" -Attributes
"Description","DisplayName",
"Mail","MailNickname","DistinguishedName","FriendlyPath","FriendlyParentPa
th","FriendlyName","IsDisabled","SamAccountName","TrustedForDelegation","O
bjectCategory"
```

This example requests the properties of the user named USER123 in MyDomain.corp. The Attributes parameter specifies what properties to return. When the Attributes parameter is not present, a default list of properties will be returned.

Example 32-26 *4*

```
Get-DRAUser -Domain MyDomain.corp -Identifier "USER123" -Attributes
"Description","DisplayName" -IncludeAllVAProperties
```

This example requests the properties of the user named USER123 in the "MyDomain.corp" domain. The `Attributes` parameter specifies the properties to return. The `IncludeAllVAProperties` parameter returns all virtual attributes that the assistant administrator has powers to view.

Grant-DraCsArchivingPolicy

Synopsis

Assigns a Skype for Business archiving policy to a user.

Syntax

```
Grant-DraCsArchivingPolicy -Domain <String> -PolicyName <String> -
Identifier <String> [-DRARestServer <String>] [-DRARestPort <Int32>] [-
IgnoreCertificateErrors <SwitchParameter>] [-Force <SwitchParameter>] [-
Timeout <Int32>] [<CommonParameters>]
```

Description

The Grant-DraCsArchivingPolicy cmdlet assigns a Skype for Business archiving policy to the specified user.

Parameters

Attribute / Description	Parameters / Values				
	Required	**Position**	**Default Value**	**Accept Pipeline input?**	**Accept wildcard characters?**
PolicyName <String> The name of the policy to be assigned.	true	named		true (ByPropertyName)	false
Identifier <String> The name or distinguished name of an existing Active Directory object. When the name is specified, an additional call to the DRA Server is needed to obtain the distinguished name for the object.	true	named		true (ByPropertyName)	false
Domain <String> The domain of the object in FQDN format. For example: `mydomain.corp`	true	named		true (ByPropertyName)	false
DRARestServer [<String>] The name of the computer running the DRA Rest Service. The requested DRA operation will execute on this server. If the parameter is not specified, the value defaults to 'localhost'.	false	named		true (ByPropertyName)	false
DRARestPort [<Int32>] The port where the DRA REST Service listens for requests. If the parameter is not specified, the value defaults to 8755.	false	named	8755	true (ByPropertyName)	false
IgnoreCertificateErrors [<SwitchParameter>] Allows the request to bypass any SSL certificate errors, such as the InvalidOperation error that occurs when the REST Service is bound to a self-signed certificate.	false	named		false	false

Attribute / Description	Parameters / Values				
	Required	**Position**	**Default Value**	**Accept Pipeline input?**	**Accept wildcard characters?**
Force [<SwitchParameter>] Suppresses any request for user input and supplies a 'yes' response. For example: -Force with a delete request will perform the delete without presenting the confirmation request to the user.	false	named		false	false
Timeout [<Int32>] The number of seconds to wait before the request to the DRA REST server times out. To specify an infinite timeout, you can set this parameter to -1.	false	named	100 seconds	false	false
<CommonParameters> Verbose, Debug, ErrorAction, ErrorVariable, WarningAction, WarningVariable, OutBuffer, PipelineVariable, and OutVariable. For more information, see About CommonParameters (http://go.microsoft.com/fwlink/?LinkID=113216).					

NOTE: For more information, type "`Get-Help Grant-DraCsArchivingPolicy -detailed`". For technical information, type "`Get-Help Grant-DraCsArchivingPolicy -full`".

Example 32-27 *1*

```
PS C:\>Grant-DraCsArchivingPolicy -Domain MyDomain.corp -Identifier
"CN=Bob Jones,OU=Accounting,DC=MyDomain,DC=corp" -PolicyName
MyArchivingPolicy
```

This example assigns the MyArchivingPolicy archiving policy to the user Bob Jones.

Grant-DraCsClientPolicy

Synopsis

Assigns a Skype for Business client policy to a user.

Syntax

```
Grant-DraCsClientPolicy -Domain <String> -PolicyName <String> -Identifier
<String> [-DRARestServer <String>]
[-DRARestPort <Int32>] [-IgnoreCertificateErrors <SwitchParameter>] [-
Force <SwitchParameter>] [-Timeout <Int32>] [<CommonParameters>]
```

Description

The Grant-DraCsClientPolicy cmdlet assigns a Skype for Business client policy to the specified user.

Parameters

Attribute / Description	Parameters / Values				
	Required	**Position**	**Default Value**	**Accept Pipeline input?**	**Accept wildcard characters?**
PolicyName <String> The name of the policy to be assigned.	true	named		true (ByPropertyName)	false
Identifier <String> The name or distinguished name of an existing Active Directory object. When the name is specified, an additional call to the DRA Server is needed to obtain the distinguished name for the object.	true	named		true (ByPropertyName)	false
Domain <String> The domain of the object in FQDN format. For example: `mydomain.corp`	true	named		true (ByPropertyName)	false
DRARestServer [<String>] The name of the computer running the DRA Rest Service. The requested DRA operation will execute on this server. If the parameter is not specified, the value defaults to 'localhost'.	false	named		true (ByPropertyName)	false
DRARestPort [<Int32>] The port where the DRA REST Service listens for requests. If the parameter is not specified, the value defaults to 8755.	false	named	8755	true (ByPropertyName)	false

Attribute / Description	Parameters / Values				
	Required	**Position**	**Default Value**	**Accept Pipeline input?**	**Accept wildcard characters?**
IgnoreCertificateErrors [<SwitchParameter>] Allows the request to bypass any SSL certificate errors, such as the InvalidOperation error that occurs when the REST Service is bound to a self-signed certificate.	false	named		false	false
Force [<SwitchParameter>] Suppresses any request for user input and supplies a 'yes' response. For example: -Force with a delete request will perform the delete without presenting the confirmation request to the user.	false	named		false	false
Timeout [<Int32>] The number of seconds to wait before the request to the DRA REST server times out. To specify an infinite timeout, you can set this parameter to -1.	false	named	100 seconds	false	false
<CommonParameters> Verbose, Debug, ErrorAction, ErrorVariable, WarningAction, WarningVariable, OutBuffer, PipelineVariable, and OutVariable. For more information, see About CommonParameters (http://go.microsoft.com/fwlink/?LinkID=113216).					

NOTE: For more information, type "`Get-Help Grant-DraCsClientPolicy -detailed`". For technical information, type "`Get-Help Grant-DraCsClientPolicy -full`".

Example 32-28 *1*

```
PS C:\>Grant-DraCsClientPolicy -Domain MyDomain.corp -Identifier "CN=Bob
Jones,OU=Accounting,DC=MyDomain,DC=corp" -PolicyName MyClientPolicy
```

This example assigns the MyClientPolicy client policy to the user Bob Jones.

Grant-DraCsClientVersionPolicy

Synopsis

Assigns a Skype for Business client version policy to a user.

Syntax

```
Grant-DraCsClientVersionPolicy -Domain <String> -PolicyName <String> -
Identifier <String> [-DRARestServer <String>] [-DRARestPort <Int32>] [-
IgnoreCertificateErrors <SwitchParameter>] [-Force <SwitchParameter> [-
Timeout <Int32>] [<CommonParameters>]
```

Description

The `Grant-DraCsClientVersionPolicy` cmdlet assigns a Skype for Business client version policy to the specified user.

Attribute / Description	Parameters / Values				
	Required	**Position**	**Default Value**	**Accept Pipeline input?**	**Accept wildcard characters?**
PolicyName <String> The name of the policy to be assigned.	true	named		true (ByPropertyName)	false
Identifier <String> The name or distinguished name of an existing Active Directory object. When the name is specified, an additional call to the DRA Server is needed to obtain the distinguished name for the object.	true	named		true (ByPropertyName)	false
Domain <String> The domain of the object in FQDN format. For example: `mydomain.corp`	true	named		true (ByPropertyName)	false
DRARestServer [<String>] The name of the computer running the DRA Rest Service. The requested DRA operation will execute on this server. If the parameter is not specified, the value defaults to 'localhost'.	false	named		true (ByPropertyName)	false

Attribute / Description	Parameters / Values				
	Required	**Position**	**Default Value**	**Accept Pipeline input?**	**Accept wildcard characters?**
DRARestPort [<Int32>] The port where the DRA REST Service listens for requests. If the parameter is not specified, the value defaults to 8755.	false	named	8755	true (ByPropertyName)	false
IgnoreCertificateErrors [<SwitchParameter>] Allows the request to bypass any SSL certificate errors, such as the InvalidOperation error that occurs when the REST Service is bound to a self-signed certificate.	false	named		false	false
Force [<SwitchParameter>] Suppresses any request for user input and supplies a 'yes' response. For example: -Force with a delete request will perform the delete without presenting the confirmation request to the user.	false	named		false	false
Timeout [<Int32>] The number of seconds to wait before the request to the DRA REST server times out. To specify an infinite timeout, you can set this parameter to -1. ***<CommonParameters>*** Verbose, Debug, ErrorAction, ErrorVariable, WarningAction, WarningVariable, OutBuffer, PipelineVariable, and OutVariable. For more information, see About CommonParameters (http://go.microsoft.com/fwlink/?LinkID=113216).	false	named	100 seconds	false	false

NOTE: For more information, type "`Get-Help Grant-DraCsClientVersionPolicy -detailed`". For technical information, type "`Get-Help Grant-DraCsClientVersionPolicy -full`".

***Example 32-29** 1*

```
PS C:\>Grant-DraCsClientVersionPolicy -Domain MyDomain.corp -Identifier
"CN=Bob Jones,OU=Accounting,DC=MyDomain,DC=corp" -PolicyName
MyClientVersionPolicy
```

This example assigns the MyClientVersionPolicy client version policy to the user Bob Jones.

Grant-DraCsLocationPolicy

Synopsis

Assigns a Skype for Business location policy to a user.

Syntax

```
Grant-DraCsLocationPolicy -Domain <String> -PolicyName <String> -
Identifier <String> [-DRARestServer <String>] [-DRARestPort <Int32>] [-
IgnoreCertificateErrors <SwitchParameter>] [-Force <SwitchParameter>] [-
Timeout <Int32>] [<CommonParameters>]
```

Description

The Grant-DraCsLocationPolicy cmdlet assigns a Skype for Business location policy to the specified user.

Parameters

Attribute / Description	Parameters / Values				
	Required	**Position**	**Default Value**	**Accept Pipeline input?**	**Accept wildcard characters?**
PolicyName <String> The name of the policy to be assigned.	true	named		true (ByPropertyName)	false
Identifier <String> The name or distinguished name of an existing Active Directory object. When the name is specified, an additional call to the DRA Server is needed to obtain the distinguished name for the object.	true	named		true (ByPropertyName)	false
Domain <String> The domain of the object in FQDN format. For example: `mydomain.corp`	true	named		true (ByPropertyName)	false

Attribute / Description	Parameters / Values				
	Required	**Position**	**Default Value**	**Accept Pipeline input?**	**Accept wildcard characters?**
DRARestServer [<String>] The name of the computer running the DRA Rest Service. The requested DRA operation will execute on this server. If the parameter is not specified, the value defaults to 'localhost'.	false	named		true (ByPropertyName)	false
DRARestPort [<Int32>] The port where the DRA REST Service listens for requests. If the parameter is not specified, the value defaults to 8755.	false	named	8755	true (ByPropertyName)	false
IgnoreCertificateErrors [<SwitchParameter>] Allows the request to bypass any SSL certificate errors, such as the InvalidOperation error that occurs when the REST Service is bound to a self-signed certificate.	false	named		false	false
Force [<SwitchParameter>] Suppresses any request for user input and supplies a 'yes' response. For example: -Force with a delete request will perform the delete without presenting the confirmation request to the user.	false	named		false	false
Timeout [<Int32>] The number of seconds to wait before the request to the DRA REST server times out. To specify an infinite timeout, you can set this parameter to -1.	false	named	100 seconds	false	false

Attribute / Description	Parameters / Values				
	Required	Position	Default Value	Accept Pipeline input?	Accept wildcard characters?
<CommonParameters> Verbose, Debug, ErrorAction, ErrorVariable, WarningAction, WarningVariable, OutBuffer, PipelineVariable, and OutVariable. For more information, see About CommonParameters (http://go.microsoft.com/fwlink/?LinkID=113216).					

NOTE: For more information, type "`Get-Help Grant-DraCsLocationPolicy -detailed`". For technical information, type "`Get-Help Grant-DraCsLocationPolicy -full`".

Example 32-30 *1*

```
PS C:\>Grant-DraCsLocationPolicy -Domain MyDomain.corp -Identifier "CN=Bob
Jones,OU=Accounting,DC=MyDomain,DC=corp" -PolicyName MyLocationPolicy
```

This example assigns the MyLocationPolicy location policy to the user Bob Jones.

Grant-DraCsMobilityPolicy

Synopsis

Assigns a Skype for Business mobility policy to a user.

Syntax

```
Grant-DraCsMobilityPolicy -Domain <String> -PolicyName <String> -
Identifier <String> [-DRARestServer <String>] [-DRARestPort <Int32>] [-
IgnoreCertificateErrors <SwitchParameter>] [-Force <SwitchParameter>] [-
Timeout <Int32>] [<CommonParameters>]
```

Description

The Grant-DraCsMobilityPolicy cmdlet assigns a Skype for Business mobility policy to the specified user.

Parameters

Attribute / Description	Parameters / Values				
	Required	**Position**	**Default Value**	**Accept Pipeline input?**	**Accept wildcard characters?**
PolicyName <String> The name of the policy to be assigned.	true	named		true (ByPropertyName)	false
Identifier <String> The name or distinguished name of an existing Active Directory object. When the name is specified, an additional call to the DRA Server is needed to obtain the distinguished name for the object.	true	named		true (ByPropertyName)	false
Domain <String> The domain of the object in FQDN format. For example: `mydomain.corp`	true	named		true (ByPropertyName)	false
DRARestServer [<String>] The name of the computer running the DRA Rest Service. The requested DRA operation will execute on this server. If the parameter is not specified, the value defaults to 'localhost'.	false	named		true (ByPropertyName)	false
DRARestPort [<Int32>] The port where the DRA REST Service listens for requests. If the parameter is not specified, the value defaults to 8755.	false	named	8755	true (ByPropertyName)	false
IgnoreCertificateErrors [<SwitchParameter>] Allows the request to bypass any SSL certificate errors, such as the InvalidOperation error that occurs when the REST Service is bound to a self-signed certificate.	false	named		false	false

Attribute / Description	Parameters / Values				
	Required	**Position**	**Default Value**	**Accept Pipeline input?**	**Accept wildcard characters?**
Force [<SwitchParameter>] Suppresses any request for user input and supplies a 'yes' response. For example: -Force with a delete request will perform the delete without presenting the confirmation request to the user.	false	named		false	false
Timeout [<Int32>] The number of seconds to wait before the request to the DRA REST server times out. To specify an infinite timeout, you can set this parameter to -1.	false	named	100 seconds	false	false
<CommonParameters> Verbose, Debug, ErrorAction, ErrorVariable, WarningAction, WarningVariable, OutBuffer, PipelineVariable, and OutVariable. For more information, see About CommonParameters (http://go.microsoft.com/fwlink/?LinkID=113216).					

NOTE: For more information, type "`Get-Help Grant-DraCsMobilityPolicy -detailed`". For technical information, type "`Get-Help Grant-DraCsMobilityPolicy -full`".

Example 32-31 *1*

```
PS C:\>Grant-DraCsMobilityPolicy -Domain MyDomain.corp -Identifier "CN=Bob
Jones,OU=Accounting,DC=MyDomain,DC=corp" -PolicyName MyMobilityPolicy
```

This example assigns the MyMobilityPolicy mobility policy to the user Bob Jones.

Grant-DraCsPersistentChatPolicy

Synopsis

Assigns a Skype for Business persistent chat policy to a user.

Syntax

```
Grant-DraCsPersistentChatPolicy -Domain <String> -PolicyName <String> -
Identifier <String> [-DRARestServer <String>] [-DRARestPort <Int32>] [-
IgnoreCertificateErrors <SwitchParameter>] [-Force <SwitchParameter>] [-
Timeout <Int32>] [<CommonParameters>]
```

Description

The Grant-DraCsPersistentChatPolicy cmdlet assigns a Skype for Business persistent chat policy to the specified user.

Parameters

Attribute / Description	Parameters / Values				
	Required	**Position**	**Default Value**	**Accept Pipeline input?**	**Accept wildcard characters?**
PolicyName <String> The name of the policy to be assigned.	true	named		true (ByPropertyName)	false
Identifier <String> The name or distinguished name of an existing Active Directory object. When the name is specified, an additional call to the DRA Server is needed to obtain the distinguished name for the object.	true	named		true (ByPropertyName)	false
Domain <String> The domain of the object in FQDN format. For example: `mydomain.corp`	true	named		true (ByPropertyName)	false
DRARestServer [<String>] The name of the computer running the DRA Rest Service. The requested DRA operation will execute on this server. If the parameter is not specified, the value defaults to 'localhost'.	false	named		true (ByPropertyName)	false
DRARestPort [<Int32>] The port where the DRA REST Service listens for requests. If the parameter is not specified, the value defaults to 8755.	false	named	8755	true (ByPropertyName)	false

Attribute / Description	Parameters / Values				
	Required	**Position**	**Default Value**	**Accept Pipeline input?**	**Accept wildcard characters?**
IgnoreCertificateErrors [<SwitchParameter>] Allows the request to bypass any SSL certificate errors, such as the InvalidOperation error that occurs when the REST Service is bound to a self-signed certificate.	false	named		false	false
Force [<SwitchParameter>] Suppresses any request for user input and supplies a 'yes' response. For example: -Force with a delete request will perform the delete without presenting the confirmation request to the user.	false	named		false	false
Timeout [<Int32>] The number of seconds to wait before the request to the DRA REST server times out. To specify an infinite timeout, you can set this parameter to -1.	false	named	100 seconds	false	false
<CommonParameters> Verbose, Debug, ErrorAction, ErrorVariable, WarningAction, WarningVariable, OutBuffer, PipelineVariable, and OutVariable. For more information, see About CommonParameters (http://go.microsoft.com/fwlink/?LinkID=113216).					

NOTE: For more information, type "`Get-Help Grant-DraCsPersistentChatPolicy -detailed`". For technical information, type "`Get-Help Grant-DraCsPersistentChatPolicy -full`".

Example 32-32 *1*

```
PS C:\>Grant-DraCsPersistentChatPolicy -Domain MyDomain.corp -Identifier
"CN=Bob Jones,OU=Accounting,DC=MyDomain,DC=corp" -PolicyName
MyPersistentChatPolicy
```

This example assigns the MyPersistentChatPolicy persistent chat policy to the user Bob Jones.

Grant-DraCsPinPolicy

Synopsis

Assigns a client personal identification number (PIN) policy to a user.

Syntax

```
Grant-DraCsPinPolicy -Domain <String> -PolicyName <String> -Identifier
<String> [-DRARestServer <String>] [-DRARestPort <Int32>] [-
IgnoreCertificateErrors <SwitchParameter>] [-Force <SwitchParameter>] [-
Timeout <Int32>] [<CommonParameters>]
```

Description

The Grant-DraCsPinPolicy cmdlet assigns a Skype for Business PIN policy to the specified user.

Parameters

Attribute / Description	Parameters / Values				
	Required	**Position**	**Default Value**	**Accept Pipeline input?**	**Accept wildcard characters?**
PolicyName <String> The name of the policy to be assigned.	true	named		true (ByPropertyName)	false
Identifier <String> The name or distinguished name of an existing Active Directory object. When the name is specified, an additional call to the DRA Server is needed to obtain the distinguished name for the object.	true	named		true (ByPropertyName)	false
Domain <String> The domain of the object in FQDN format. For example: `mydomain.corp`	true	named		true (ByPropertyName)	false
DRARestServer [<String>] The name of the computer running the DRA Rest Service. The requested DRA operation will execute on this server. If the parameter is not specified, the value defaults to 'localhost'.	false	named		true (ByPropertyName)	false

Attribute / Description	Parameters / Values				
	Required	**Position**	**Default Value**	**Accept Pipeline input?**	**Accept wildcard characters?**
DRARestPort [<Int32>] The port where the DRA REST Service listens for requests. If the parameter is not specified, the value defaults to 8755.	false	named	8755	true (ByPropertyName)	false
IgnoreCertificateErrors [<SwitchParameter>] Allows the request to bypass any SSL certificate errors, such as the InvalidOperation error that occurs when the REST Service is bound to a self-signed certificate.	false	named		false	false
Force [<SwitchParameter>] Suppresses any request for user input and supplies a 'yes' response. For example: -Force with a delete request will perform the delete without presenting the confirmation request to the user.	false	named		false	false
Timeout [<Int32>] The number of seconds to wait before the request to the DRA REST server times out. To specify an infinite timeout, you can set this parameter to -1. ***<CommonParameters>*** Verbose, Debug, ErrorAction, ErrorVariable, WarningAction, WarningVariable, OutBuffer, PipelineVariable, and OutVariable. For more information, see About CommonParameters (http://go.microsoft.com/fwlink/?LinkID=113216).	false	named	100 seconds	false	false

NOTE: For more information, type "`Get-Help Grant-DraCsPinPolicy -detailed`". For technical information, type "`Get-Help Grant-DraCsPinPolicy -full`".

***Example 32-33** 1*

```
PS C:\>Grant-DraCsPinPolicy -Domain MyDomain.corp -Identifier "CN=Bob
Jones,OU=Accounting,DC=MyDomain,DC=corp" -PolicyName MyPinPolicy
```

This example assigns the MyPinPolicy PIN policy to the user Bob Jones.

Lock-DRACsClientPin

Synopsis

Locks Skype PIN for the user account specified by the Identifier parameter.

Syntax

```
Lock-DRACsClientPin -Domain <String> -Identifier <String> [-DRARestServer
<String>] [-DRARestPort <Int32>] [-IgnoreCertificateErrors
<SwitchParameter>] [-Force <SwitchParameter>] [-Timeout <Int32>]
[<CommonParameters>]
```

Description

The Lock-DRACsClientPin cmdlet locks Skype PIN for the specified user account. The requesting user must have the Lock Skype Pin powers.

Parameters

Attribute / Description	Parameters / Values				
	Required	**Position**	**Default Value**	**Accept Pipeline input?**	**Accept wildcard characters?**
Identifier <String> The name or distinguished name of an existing Active Directory object. When the name is specified, an additional call to the DRA Server is needed to obtain the distinguished name for the object.	true	named		true (ByPropertyName)	false
Domain <String> The domain of the object in FQDN format. For example: `mydomain.corp`	true	named		true (ByPropertyName)	false

Attribute / Description	Parameters / Values				
	Required	**Position**	**Default Value**	**Accept Pipeline input?**	**Accept wildcard characters?**
DRARestServer [<String>] The name of the computer running the DRA Rest Service. The requested DRA operation will execute on this server. If the parameter is not specified, the value defaults to 'localhost'.	false	named		true (ByPropertyName)	false
DRARestPort [<Int32>] The port where the DRA REST Service listens for requests. If the parameter is not specified, the value defaults to 8755.	false	named	8755	true (ByPropertyName)	false
IgnoreCertificateErrors [<SwitchParameter>] Allows the request to bypass any SSL certificate errors, such as the InvalidOperation error that occurs when the REST Service is bound to a self-signed certificate.	false	named		false	false
Force [<SwitchParameter>] Suppresses any request for user input and supplies a 'yes' response. For example: -Force with a delete request will perform the delete without presenting the confirmation request to the user.	false	named		false	false
Timeout [<Int32>] The number of seconds to wait before the request to the DRA REST server times out. To specify an infinite timeout, you can set this parameter to -1.	false	named	100 seconds	false	false

Attribute / Description	Parameters / Values				
	Required	Position	Default Value	Accept Pipeline input?	Accept wildcard characters?
<CommonParameters> Verbose, Debug, ErrorAction, ErrorVariable, WarningAction, WarningVariable, OutBuffer, PipelineVariable, and OutVariable. For more information, see About CommonParameters (http://go.microsoft.com/fwlink/?LinkID=113216).					

NOTE: For more information, type "`Get-Help Lock-DRACsClientPin -detailed`". For technical information, type "`Get-Help Lock-DRACsClientPin -full`".

Example 32-34 *1*

```
PS C:\>Lock-DRACsClientPin -Domain MyDomain.corp -Identifier
"CN=USER123,OU=Accounting,DC=MyDomain,DC=corp"
```

This example locks Skype PIN for the user named USER123 in MyDomain.corp. The identifier contains the distinguished name for the user.

Move-DraCsUser

Synopsis

Moves a Skype for Business Server enabled user account to a new Registrar pool.

Syntax

```
Move-DraCsUser -Domain <String> -Target <String> [-Force <SwitchParameter>]
-Identifier <String> [-DRARestServer <String>] [-DRARestPort <Int32>] [-
IgnoreCertificateErrors <SwitchParameter>] [-Timeout <Int32>]
[<CommonParameters>]
```

Description

The Move-DraCsUser cmdlet moves the Skype for Business Server enabled user account specified by the Identifier parameter to a new Registrar pool. The requesting user must have the "Move user to new Skype pool" power.

Parameters

Attribute / Description	Parameters / Values				
	Required	**Position**	**Default Value**	**Accept Pipeline input?**	**Accept wildcard characters?**
Target <String> The FQDN of the Registrar pool where the user account should be moved. For example, `pool1.MyDomain.corp`.	true	named		true (ByPropertyName)	false
Force [<SwitchParameter>] If present, moves the user account but deletes any associated user data, such as conferences, that the user has scheduled. If not present, both the account and the associated data are moved.	true	named		true (ByPropertyName)	false
Identifier <String> The name or distinguished name of an existing Active Directory object. When the name is specified, an additional call to the DRA Server is needed to obtain the distinguished name for the object.	true	named		true (ByPropertyName)	false
Domain <String> The domain of the object in FQDN format. For example: `mydomain.corp`	true	named		true (ByPropertyName)	false
DRARestServer [<String>] The name of the computer running the DRA Rest Service. The requested DRA operation will execute on this server. If the parameter is not specified, the value defaults to 'localhost'.	false	named		true (ByPropertyName)	false
DRARestPort [<Int32>] The port where the DRA REST Service listens for requests. If the parameter is not specified, the value defaults to 8755.	false	named	8755	true (ByPropertyName)	false

Attribute / Description	Parameters / Values				
	Required	**Position**	**Default Value**	**Accept Pipeline input?**	**Accept wildcard characters?**
IgnoreCertificateErrors [<SwitchParameter>] Allows the request to bypass any SSL certificate errors, such as the InvalidOperation error that occurs when the REST Service is bound to a self-signed certificate.	false	named		false	false
Timeout [<Int32>] The number of seconds to wait before the request to the DRA REST server times out. To specify an infinite timeout, you can set this parameter to -1. ***<CommonParameters>*** Verbose, Debug, ErrorAction, ErrorVariable, WarningAction, WarningVariable, OutBuffer, PipelineVariable, and OutVariable. For more information, see About CommonParameters (http://go.microsoft.com/fwlink/?LinkID=113216).	false	named	100 seconds	false	false

NOTE: For more information, type "`Get-Help Move-DraCsUser -detailed`". For technical information, type "`Get-Help Move-DraCsUser -full`".

Example 32-35 *1*

```
PS C:\>Move-DraCsUser -Identifier
"CN=USER123,OU=Accounting,DC=MyDomain,DC=corp" -Target
"pool1.MyDomain.corp"
```

This example moves the user named USER123 in MyDomain.corp to a pool named pool1.MyDomain.corp. Identifier contains the distinguished name of the user and Target contains the FQDN of the Registrar pool to move the user to.

Example 32-36 *2*

```
PS C:\>Move-DraCsUser -Identifier
"CN=USER123,OU=Accounting,DC=MyDomain,DC=corp" -Target
"pool1.MyDomain.corp" -Force
```

This example moves the user named USER123 in MyDomain.corp to a pool named pool1.MyDomain.corp. Identifier contains the distinguished name of user, Target contains the FQDN of the Registrar pool to move the user to, and Force indicates that the user will be moved but any associated data will be deleted.

Move-DRAUser

Synopsis

Moves a user from one location in Active Directory to another.

Syntax

```
Move-DRAUser -Domain <String> -TargetContainer <String> -Identifier
<String> [-DRARestServer <String>] [-DRARestPort <Int32>] [-
IgnoreCertificateErrors <SwitchParameter>] [-Force <SwitchParameter>] [-
Timeout <Int32>] [<CommonParameters>]
```

Description

The Move-DRAUser cmdlet moves the user named in Identifier to the OU named in the TargetContainer. The requesting user must have the Move User to OU power on the TargetContainer. Supported formats for Identity are friendly name and distinguished name.

Parameters

Attribute / Description	Parameters / Values				
	Required	**Position**	**Default Value**	**Accept Pipeline input?**	**Accept wildcard characters?**
TargetContainer <String> The full path to the destination container for the object you are moving, in distinguished name format. For example: -`TargetContainer "OU=Accounting,DC=MyDomain,DC=corp`”.	false	named		true (ByPropertyName)	false
I***dentifier <String>*** The name or distinguished name of an existing Active Directory object. When the name is specified, an additional call to the DRA Server is needed to obtain the distinguished name for the object.	true	named		true (ByPropertyName)	false

Attribute / Description	Parameters / Values				
	Required	**Position**	**Default Value**	**Accept Pipeline input?**	**Accept wildcard characters?**
Domain <String> The domain of the object in FQDN format. For example: `mydomain.corp`	true	named		true (ByPropertyName)	false
DRARestServer [<String>] The name of the computer running the DRA Rest Service. The requested DRA operation will execute on this server. If the parameter is not specified, the value defaults to 'localhost'.	false	named		true (ByPropertyName)	false
DRARestPort [<Int32>] The port where the DRA REST Service listens for requests. If the parameter is not specified, the value defaults to 8755.	false	named	8755	true (ByPropertyName)	false
IgnoreCertificateErrors [<SwitchParameter>] Allows the request to bypass any SSL certificate errors, such as the InvalidOperation error that occurs when the REST Service is bound to a self-signed certificate.	false	named		false	false
Force [<SwitchParameter>] Suppresses any request for user input and supplies a 'yes' response. For example: -Force with a delete request will perform the delete without presenting the confirmation request to the user.	false	named		false	false
Timeout [<Int32>] The number of seconds to wait before the request to the DRA REST server times out. To specify an infinite timeout, you can set this parameter to -1.	false	named	100 seconds	true (ByPropertyName)	false

Attribute / Description	Parameters / Values				
	Required	Position	Default Value	Accept Pipeline input?	Accept wildcard characters?
<CommonParameters> Verbose, Debug, ErrorAction, ErrorVariable, WarningAction, WarningVariable, OutBuffer, PipelineVariable, and OutVariable. For more information, see About CommonParameters (http://go.microsoft.com/fwlink/?LinkID=113216).					

NOTE: For more information, type "`Get-Help Move-DRAUser -detailed`". For technical information, type "`Get-Help Move-DRAUser -full`".

Example 32-37 *1*

```
PS C:\>Move-DRAUser  -Domain MyDomain.corp -Identifier
"CN=Charlie,OU=Accounting,DC=MyDomain,DC=corp" -TargetContainer
"OU=NewParent,OU=AccountingHomeOffice,DC=MyDomain,DC=corp"
```

This example moves the user named Charlie from the Accounting container to the NewParent container. The identifier contains the distinguished name for the user.

Move-DRAUserMailbox

Synopsis

Moves the user mailbox for the user account specified by the Identifier and MailboxStore parameters.

Syntax

```
Move-DRAUserMailbox -Domain <String> -MailboxStore <String> -Identifier
<String> [-DRARestServer <String>] [-DRARestPort <Int32>] [-
IgnoreCertificateErrors <SwitchParameter>] [-Force <SwitchParameter>] [-
Timeout <Int32>] [<CommonParameters>]
```

Description

The Move-DRAUserMailbox cmdlet moves the user mailbox on the account specified by the Identifier and MailboxStore parameters. The requesting user must have the Move Exchange Mailbox power.

Parameters

Attribute / Description	Parameters / Values				
	Required	**Position**	**Default Value**	**Accept Pipeline input?**	**Accept wildcard characters?**
MailboxStore <String> Full path to the Exchange mailbox store. Use the `Get-DRAExchangeStores` command to list available mailbox stores managed by DRA.	true	named		false	false
Identifier <String> The name or distinguished name of an existing Active Directory object. When the name is specified, an additional call to the DRA Server is needed to obtain the distinguished name for the object.	true	named		true (ByPropertyName)	false
Domain <String> The domain of the object in FQDN format. For example: `mydomain.corp`	true	named		true (ByPropertyName)	false
DRARestServer [<String>] The name of the computer running the DRA Rest Service. The requested DRA operation will execute on this server. If the parameter is not specified, the value defaults to 'localhost'.	false	named		true (ByPropertyName)	false
DRARestPort [<Int32>] The port where the DRA REST Service listens for requests. If the parameter is not specified, the value defaults to 8755.	false	named	8755	true (ByPropertyName)	false
IgnoreCertificateErrors [<SwitchParameter>] Allows the request to bypass any SSL certificate errors, such as the InvalidOperation error that occurs when the REST Service is bound to a self-signed certificate.	false	named		false	false

Attribute / Description	Parameters / Values				
	Required	**Position**	**Default Value**	**Accept Pipeline input?**	**Accept wildcard characters?**
Force [<SwitchParameter>] Suppresses any request for user input and supplies a 'yes' response. For example: -Force with a delete request will perform the delete without presenting the confirmation request to the user.	false	named		false	false
Timeout [<Int32>] The number of seconds to wait before the request to the DRA REST server times out. To specify an infinite timeout, you can set this parameter to -1.	false	named	100 seconds	true (ByPropertyName)	false
<CommonParameters> Verbose, Debug, ErrorAction, ErrorVariable, WarningAction, WarningVariable, OutBuffer, PipelineVariable, and OutVariable. For more information, see About CommonParameters (http://go.microsoft.com/fwlink/?LinkID=113216).					

NOTE: For more information, type "`Get-Help Move-DRAUserMailbox -detailed`". For technical information, type "`Get-Help Move-DRAUserMailbox -full`".

Example 32-38 *1*

```
PS C:\>Move-DRAUserMailbox  -Domain MyDomain.corp -Identifier
"CN=USER123,OU=Accounting,DC=MyDomain,DC=corp" -MailboxStore "LDAP://
CN=Mailbox Database 0565232367,CN=Databases,CN=Exchange Administrative
Group (FYDIBOHF23SPDLT),CN=Administrative Groups,CN=First,CN=Microsoft
Exchange,CN=Services,CN=Configuration, DC=MyDomain,DC=corp"
```

This example moves the mailbox for the user named USER123 in MyDomain.corp to the new mailbox store specified in MailboxStore parameter. The identifier contains the distinguished name for the user and the new mailbox store is specified in the MailboxStore parameter.

Remove-DRAUser

Synopsis

Removes the user account specified by the Identifier parameter.

Syntax

```
Remove-DRAUser -Domain <String> -Identifier <String> [-DRARestServer
<String>] [-DRARestPort <Int32>] [-IgnoreCertificateErrors
<SwitchParameter>] [-Force <SwitchParameter>] [-Timeout <Int32>]
[<CommonParameters>]
```

Description

The Remove-DRAUser cmdlet deletes the requested user account. The requesting user must have one of the Delete User powers. If the Recycle Bin is enabled, the specified account is moved to the Recycle Bin.

Parameters

Attribute / Description	Parameters / Values				
	Required	**Position**	**Default Value**	**Accept Pipeline input?**	**Accept wildcard characters?**
Identifier <String> The name or distinguished name of an existing Active Directory object. When the name is specified, an additional call to the DRA Server is needed to obtain the distinguished name for the object.	true	named		true (ByPropertyName)	false
Domain <String> The domain of the object in FQDN format. For example: `mydomain.corp`	true	named		true (ByPropertyName)	false
DRARestServer [<String>] The name of the computer running the DRA Rest Service. The requested DRA operation will execute on this server. If the parameter is not specified, the value defaults to 'localhost'.	false	named		true (ByPropertyName	false

Attribute / Description	Parameters / Values				
	Required	**Position**	**Default Value**	**Accept Pipeline input?**	**Accept wildcard characters?**
DRARestPort [<Int32>] The port where the DRA REST Service listens for requests. If the parameter is not specified, the value defaults to 8755.	false	named	8755	true (ByPropertyName	false
IgnoreCertificateErrors [<SwitchParameter>] Allows the request to bypass any SSL certificate errors, such as the InvalidOperation error that occurs when the REST Service is bound to a self-signed certificate.	false	named		false	false
Force [<SwitchParameter>] Suppresses any request for user input and supplies a 'yes' response. For example: -Force with a delete request will perform the delete without presenting the confirmation request to the user.	false	named		false	false
Timeout [<Int32>] The number of seconds to wait before the request to the DRA REST server times out. To specify an infinite timeout, you can set this parameter to -1. ***<CommonParameters>*** Verbose, Debug, ErrorAction, ErrorVariable, WarningAction, WarningVariable, OutBuffer, PipelineVariable, and OutVariable. For more information, see About CommonParameters (http://go.microsoft.com/fwlink/?LinkID=113216).	false	named	100 seconds	true (ByPropertyName)	false

NOTE: For more information, type "`Get-Help Remove-DRAUser -detailed`". For technical information, type "`Get-Help Remove-DRAUser -full`".

Example 32-39 *1*

```
PS C:\>Remove-DRAUser  -Domain MyDomain.corp -Identifier
"CN=USER123,OU=Accounting,DC=MyDomain,DC=corp"
```

This example deletes the user named USER123 from MyDomain.corp. The identifier contains the distinguished name for the user. If the Recycle Bin is enabled, the user is moved to the Recycle Bin. Otherwise, it is removed permanently.

Example 32-40 *2*

```
PS C:\>Remove-DRAUser -Domain MyDomain.corp -Identifier
"CN=USER123,OU=NetIQRecycleBin,DC=MyDomain,DC=corp"
```

This example deletes the user named USER123 from the DRA Recycle Bin, removing it permanently from Active Directory.

Remove-DRAUserArchiveMailbox

Synopsis

Deletes the archive mailbox for the user account specified by the Identifier parameter.

Syntax

```
Remove-DRAUserArchiveMailbox -Domain <String> -Identifier <String> [-
DRARestServer <String>] [-DRARestPort <Int32>] [-IgnoreCertificateErrors
<SwitchParameter>] [-Force <SwitchParameter>] [-Timeout <Int32>]
[<CommonParameters>]
```

Description

The Remove-DRAUserArchiveMailbox cmdlet deletes the user archive mailbox for the account specified by the Identifier parameter. The requesting user must have the Delete Archive Mailbox power.

NOTE: You can use the `Remove-DRAUserArchiveMailbox` cmdlet to delete an archive of resource mailbox objects by specifying the identifier of the room or equipment mailbox in the `identifier` parameter.

Parameters

Attribute / Description	Parameters / Values				
	Required	**Position**	**Default Value**	**Accept Pipeline input?**	**Accept wildcard characters?**
Identifier <String> The name or distinguished name of an existing Active Directory object. When the name is specified, an additional call to the DRA Server is needed to obtain the distinguished name for the object.	true	named		true (ByPropertyName)	false
Domain <String> The domain of the object in FQDN format. For example: `mydomain.corp`	true	named		true (ByPropertyName)	false
DRARestServer [<String>] The name of the computer running the DRA Rest Service. The requested DRA operation will execute on this server. If the parameter is not specified, the value defaults to 'localhost'.	false	named		true (ByPropertyName	false
DRARestPort [<Int32>] The port where the DRA REST Service listens for requests. If the parameter is not specified, the value defaults to 8755.	false	named	8755	true (ByPropertyName	false
IgnoreCertificateErrors [<SwitchParameter>] Allows the request to bypass any SSL certificate errors, such as the InvalidOperation error that occurs when the REST Service is bound to a self-signed certificate.	false	named		false	false
Force [<SwitchParameter>] Suppresses any request for user input and supplies a 'yes' response. For example: -Force with a delete request will perform the delete without presenting the confirmation request to the user.	false	named		false	false

Attribute / Description	Parameters / Values				
	Required	**Position**	**Default Value**	**Accept Pipeline input?**	**Accept wildcard characters?**
Timeout [<Int32>] The number of seconds to wait before the request to the DRA REST server times out. To specify an infinite timeout, you can set this parameter to -1. ***<CommonParameters>*** Verbose, Debug, ErrorAction, ErrorVariable, WarningAction, WarningVariable, OutBuffer, PipelineVariable, and OutVariable. For more information, see About CommonParameters (http://go.microsoft.com/fwlink/?LinkID=113216).	false	named	100 seconds	true (ByPropertyName)	false

NOTE: For more information, type "`Get-Help Remove-DRAUserArchiveMailbox -detailed`". For technical information, type "`Get-Help Remove-DRAUserArchiveMailbox -full`".

Example 32-41 *1*

```
PS C:\>Remove-DRAUserArchiveMailbox  -Domain MyDomain.corp -Identifier
"CN=USER123,OU=Accounting,DC=MyDomain,DC=corp"
```

This example removes the archive mailbox for the user named USER123 in MyDomain.corp. The identifier contains the distinguished name for the user parameter.

Remove-DRAUserMailbox

Synopsis

Removes an Exchange mailbox from the user account specified by the Identifier parameter.

Syntax

```
Remove-DRAUserMailbox -Domain <String> -Identifier <String> [-
DRARestServer <String>] [-DRARestPort <Int32>] [-IgnoreCertificateErrors
<SwitchParameter>] [-Force <SwitchParameter>] [-Timeout <Int32>]
[<CommonParameters>]
```

Description

The Remove-DRAUserMailbox cmdlet removes a mailbox from an existing user object managed by DRA. The requesting user must have the Delete Mailbox power.

Parameters

Attribute / Description	Parameters / Values				
	Required	**Position**	**Default Value**	**Accept Pipeline input?**	**Accept wildcard characters?**
I***dentifier <String>*** The name or distinguished name of an existing Active Directory object. When the name is specified, an additional call to the DRA Server is needed to obtain the distinguished name for the object.	true	named		true (ByPropertyName)	false
Domain <String> The domain of the object in FQDN format. For example: `mydomain.corp`	true	named		true (ByPropertyName)	false
DRARestServer [<String>] The name of the computer running the DRA Rest Service. The requested DRA operation will execute on this server. If the parameter is not specified, the value defaults to 'localhost'.	false	named		true (ByPropertyName)	false
DRARestPort [<Int32>] The port where the DRA REST Service listens for requests. If the parameter is not specified, the value defaults to 8755.	false	named	8755	true (ByPropertyName)	false
IgnoreCertificateErrors [<SwitchParameter>] Allows the request to bypass any SSL certificate errors, such as the InvalidOperation error that occurs when the REST Service is bound to a self-signed certificate.	false	named		false	false

Attribute / Description	Parameters / Values				
	Required	**Position**	**Default Value**	**Accept Pipeline input?**	**Accept wildcard characters?**
Force [<SwitchParameter>] Suppresses any request for user input and supplies a 'yes' response. For example: -Force with a delete request will perform the delete without presenting the confirmation request to the user.	false	named		false	false
Timeout [<Int32>] The number of seconds to wait before the request to the DRA REST server times out. To specify an infinite timeout, you can set this parameter to -1.	false	named	100 seconds	true (ByPropertyName)	false
<CommonParameters> Verbose, Debug, ErrorAction, ErrorVariable, WarningAction, WarningVariable, OutBuffer, PipelineVariable, and OutVariable. For more information, see About CommonParameters (http://go.microsoft.com/fwlink/?LinkID=113216).					

NOTE: For more information, type "`Get-Help Remove-DRAUserMailbox -detailed`". For technical information, type "`Get-Help Remove-DRAUserMailbox -full`".

Example 32-42 *1*

```
PS C:\>Remove-DRAUserMailbox -Domain "MyDomain.corp" -Identifier
"CN=USER123,OU=Accounting,DC=MyDomain,DC=corp
```

This example removes the Exchange mailbox for the account USER123. The identifier contains the distinguished name for the user.

Reset-DRAUserPassword

Synopsis

Resets the password and unlocks the user account specified by the Identifier parameter.

Syntax

```
Reset-DRAUserPassword -Domain <String> [-UserMustChangePasswordAtNextLogin
<SwitchParameter>] [-PasswordNeverExpires <SwitchParameter>] [-Password
<String>] [-DomainController <String>] -Identifier <String> [-
DRARestServer <String>] [-DRARestPort <Int32>] [-IgnoreCertificateErrors
<SwitchParameter>] [-Force <SwitchParameter>] [-Timeout <Int32>]
[<CommonParameters>]
```

Description

The Reset-DRAUserPassword cmdlet resets the password on a user account and unlocks it, if needed. The password can be supplied as a parameter or it can be generated by the server. If it is generated by the server, the generated password is returned to the client and the user will be required to change their password the next time they logon.

Parameters

Attribute / Description	Parameters / Values				
	Required	**Position**	**Default Value**	**Accept Pipeline input?**	**Accept wildcard characters?**
UserMustChangePasswordAtNextLogin [<SwitchParameter>] Sets the user account to require that the user change their password at the next logon.	false	named	true if the DRA Server generates the password, Else false	true (ByPropertyName)	false
PasswordNeverExpires [<SwitchParameter>] Sets the user account password to never expire.	false	named	false	true (ByPropertyName)	false
Password [<String>] The value of the new password that should be set on the user account. The password must meet the password policies set for the domain.	false	named		true (ByPropertyName)	false
DomainController [<String>] The computer name of a specific domain controller to use for the request.	false	named		true (ByPropertyName)	false

Attribute / Description	Parameters / Values				
	Required	**Position**	**Default Value**	**Accept Pipeline input?**	**Accept wildcard characters?**
Identifier <String> The name or distinguished name of an existing Active Directory object. When the name is specified, an additional call to the DRA Server is needed to obtain the distinguished name for the object.	true	named		true (ByPropertyName)	false
Domain <String> The domain of the object in FQDN format. For example: `mydomain.corp`	true	named		true (ByPropertyName)	false
DRARestServer [<String>] The name of the computer running the DRA Rest Service. The requested DRA operation will execute on this server. If the parameter is not specified, the value defaults to 'localhost'.	false	named		true (ByPropertyName)	false
DRARestPort [<Int32>] The port where the DRA REST Service listens for requests. If the parameter is not specified, the value defaults to 8755.	false	named	8755	true (ByPropertyName)	false
IgnoreCertificateErrors [<SwitchParameter>] Allows the request to bypass any SSL certificate errors, such as the InvalidOperation error that occurs when the REST Service is bound to a self-signed certificate.	false	named		false	false
Force [<SwitchParameter>] Suppresses any request for user input and supplies a 'yes' response. For example: -Force with a delete request will perform the delete without presenting the confirmation request to the user.	false	named		false	false

Attribute / Description	Parameters / Values				
	Required	**Position**	**Default Value**	**Accept Pipeline input?**	**Accept wildcard characters?**
Timeout [<Int32>] The number of seconds to wait before the request to the DRA REST server times out. To specify an infinite timeout, you can set this parameter to -1. ***<CommonParameters>*** Verbose, Debug, ErrorAction, ErrorVariable, WarningAction, WarningVariable, OutBuffer, PipelineVariable, and OutVariable. For more information, see About CommonParameters (http://go.microsoft.com/fwlink/?LinkID=113216).	false	named	100 seconds	true (ByPropertyName)	false

NOTE: For more information, type "`Get-Help Reset-DRAUserPassword -detailed`". For technical information, type "`Get-Help Reset-DRAUserPassword -full`".

Example 32-43 *1*

```
PS C:\>Reset-DRAUserPassword -Domain "MyDomain.corp" -Identifier "USER123"
-DomainControler "MyDC"
```

This example resets the password and unlocks the user account USER123. The request will be sent to the domain controller called MyDC. The DRA Server will generate a password for the user and return it in the response object. The user account will be flagged to require a password change at the next login.

Example 32-44 *2*

```
PS C:\>Reset-DRAUserPassword -Domain "MyDomain.corp" -Identifier "USER123"
```

This example resets the password and unlocks the user account USER123. The identifier is the name. The DRA Server will generate a password for the user and returns it in the response object. The script will first call the DRA Server to resolve the name to the distinguished name, and then reset the password. The user account will be flagged to require a password change at the next login.

Example 32-45 *3*

```
PS C:\>Reset-DRAUserPassword -Domain "MyDomain.corp" -Identifier
"CN=USER123,DC=MyDomain,DC=corp" -Password "MyNewPassword!"
```

This example resets the password and unlocks the user account USER123. The password will be set to 'MyNewPassword!'. The user is identified using the distinguished name. The user will not be required to change their password at the next login.

Restore-DRAUser

Synopsis

Restores the specified user from the Recycle Bin.

Syntax

```
Restore-DRAUser -Domain <String> [-DomainController <String>] [-
RestoreToContainer <String>] -Identifier <String> [-DRARestServer
<String>] [-DRARestPort <Int32>] [-IgnoreCertificateErrors
<SwitchParameter>] [-Force <SwitchParameter>] [-Timeout <Int32>]
[<CommonParameters>]
```

Description

The Restore-DRAUser cmdlet will restore a previously deleted user from the Recycle Bin to its original container or to a new specified container. The user can be an on-premises user with an on-premises Exchange mailbox or Exchange Online mailbox. Supported formats for the identifier are friendly name and distinguished name. If the full path is specified, it must point to the Recycle Bin (NetIQRecycleBin).

Parameters

Attribute / Description	Parameters / Values				
	Required	**Position**	**Default Value**	**Accept Pipeline input?**	**Accept wildcard characters?**
DomainController [<String>] The computer name of a specific domain controller to use for the request.	false	named		true (ByPropertyName)	false
RestoreToContainer [<String>] The distinguished name of the container to which you want to restore the object. If this parameter is not specified, DRA will attempt to restore the object to its original container.	false	named		true (ByPropertyName)	false

Attribute / Description	Parameters / Values				
	Required	**Position**	**Default Value**	**Accept Pipeline input?**	**Accept wildcard characters?**
Identifier <String> The name or distinguished name of an existing Active Directory object. When the name is specified, an additional call to the DRA Server is needed to obtain the distinguished name for the object.	true	named		true (ByPropertyName)	false
Domain <String> The domain of the object in FQDN format. For example: `mydomain.corp`	true	named		true (ByPropertyName)	false
DRARestServer [<String>] The name of the computer running the DRA Rest Service. The requested DRA operation will execute on this server. If the parameter is not specified, the value defaults to 'localhost'.	false	named		true (ByPropertyName)	false
DRARestPort [<Int32>] The port where the DRA REST Service listens for requests. If the parameter is not specified, the value defaults to 8755.	false	named	8755	true (ByPropertyName)	false
IgnoreCertificateErrors [<SwitchParameter>] Allows the request to bypass any SSL certificate errors, such as the InvalidOperation error that occurs when the REST Service is bound to a self-signed certificate.	false	named		false	false
Force [<SwitchParameter>] Suppresses any request for user input and supplies a 'yes' response. For example: -Force with a delete request will perform the delete without presenting the confirmation request to the user.	false	named		false	false

Attribute / Description	Parameters / Values				
	Required	**Position**	**Default Value**	**Accept Pipeline input?**	**Accept wildcard characters?**
Timeout [<Int32>] The number of seconds to wait before the request to the DRA REST server times out. To specify an infinite timeout, you can set this parameter to -1. ***<CommonParameters>*** Verbose, Debug, ErrorAction, ErrorVariable, WarningAction, WarningVariable, OutBuffer, PipelineVariable, and OutVariable. For more information, see About CommonParameters (http://go.microsoft.com/fwlink/?LinkID=113216).	false	named	100 seconds	true (ByPropertyName)	false

NOTE: For more information, type "`Get-Help Restore-DRAUser -detailed`". For technical information, type "`Get-Help Restore-DRAUser -full`".

Example 32-46 *1*

```
PS C:\>Restore-DRAUser -Identifier
"CN=MyUser8,OU=NetIQRecycleBin,DC=MyDomain,DC=corp" -Domain MyDom.corp
```

This example will restore a user named MyUser8 from the NetIQRecycleBin in MyDom.corp. It will be restored to the container from which it was deleted.

Example 32-47 *2*

```
PS C:\>Restore-DRAUser -Identifier
"CN=MyUser8,OU=NetIQRecycleBin,DC=MyDomain,DC=corp" -RestoreToContainer
"OU=TempCon,DC=MyDomain,DC=CORP" -domain MyDomain.corp
```

This example will restore a user named MyUser8 from the NetIQRecycleBin in MyDomain.corp. It will be restored to the container named TempCon in MyDomain.corp.

Revoke-DraCsClientCertificate

Synopsis

Revokes the client certificates issued to a user in Skype for Business Server.

Syntax

```
Revoke-DraCsClientCertificate -Domain <String> -Identifier <String> [-
DRARestServer <String>] [-DRARestPort <Int32>] [-IgnoreCertificateErrors
<SwitchParameter>] [-Force <SwitchParameter>] [-Timeout <Int32>]
[<CommonParameters>]
```

Description

The Revoke-DraCsClientCertificate cmdlet revokes the client certificates for the specified user account. This only deletes the certificates from the server. The requesting user must have the "Remove Skype Certificate for Skype Enabled User" power.

Parameters

Attribute / Description	Parameters / Values				
	Required	**Position**	**Default Value**	**Accept Pipeline input?**	**Accept wildcard characters?**
Identifier <String> The name or distinguished name of an existing Active Directory object. When the name is specified, an additional call to the DRA Server is needed to obtain the distinguished name for the object.	true	named		true (ByPropertyName)	false
Domain <String> The domain of the object in FQDN format. For example: `mydomain.corp`	true	named		true (ByPropertyName)	false
DRARestServer [<String>] The name of the computer running the DRA Rest Service. The requested DRA operation will execute on this server. If the parameter is not specified, the value defaults to 'localhost'.	false	named		true (ByPropertyName)	false
DRARestPort [<Int32>] The port where the DRA REST Service listens for requests. If the parameter is not specified, the value defaults to 8755.	false	named	8755	true (ByPropertyName)	false

Attribute / Description	Parameters / Values				
	Required	**Position**	**Default Value**	**Accept Pipeline input?**	**Accept wildcard characters?**
IgnoreCertificateErrors [<SwitchParameter>] Allows the request to bypass any SSL certificate errors, such as the InvalidOperation error that occurs when the REST Service is bound to a self-signed certificate.	false	named		false	false
Force [<SwitchParameter>] Suppresses any request for user input and supplies a 'yes' response. For example: -Force with a delete request will perform the delete without presenting the confirmation request to the user.	false	named		false	false
Timeout [<Int32>] The number of seconds to wait before the request to the DRA REST server times out. To specify an infinite timeout, you can set this parameter to -1.	false	named	100 seconds	false	false
<CommonParameters> Verbose, Debug, ErrorAction, ErrorVariable, WarningAction, WarningVariable, OutBuffer, PipelineVariable, and OutVariable. For more information, see About CommonParameters (http://go.microsoft.com/fwlink/?LinkID=113216).					

NOTE: For more information, type "`Get-Help Revoke-DraCsClientCertificate -detailed`". For technical information, type "`Get-Help Revoke-DraCsClientCertificate -full`".

Example 32-48 *1*

```
PS C:\>Revoke-DraCsClientCertificate -Domain MyDomain.corp -Identifier
"CN=USER123,OU=Accounting,DC=MyDomain,DC=corp"
```

This example revokes all the client certificates currently assigned to the user named USER123 in MyDomain.corp. The identifier contains the distinguished name for the user.

Set-DraCsClientPin

Synopsis

Assigns a new PIN to the specified user.

Syntax

```
Set-DraCsClientPin -Domain <String> [-Pin <String>] -Identifier <String> [-
DRARestServer <String>] [-DRARestPort <Int32>] [-IgnoreCertificateErrors
<SwitchParameter>] [-Force <SwitchParameter>] [-Timeout <Int32>]
[<CommonParameters>]
```

Description

The Set-DraCsClientPin cmdlet sets a new Skype for Business Server PIN for the specified user account. The requesting user must have the "Set Skype Pin" power.

Parameters

Attribute / Description	Parameters / Values				
	Required	**Position**	**Default Value**	**Accept Pipeline input?**	**Accept wildcard characters?**
PIN <String> Optional PIN to be assigned to the user. If you do not include the PIN parameter, then the Skype for Business Server will randomly generate a PIN and assign it to the user.	true	named		true (ByPropertyName)	false
Identifier <String> The name or distinguished name of an existing Active Directory object. When the name is specified, an additional call to the DRA Server is needed to obtain the distinguished name for the object.	true	named		true (ByPropertyName)	false
Domain <String> The domain of the object in FQDN format. For example: `mydomain.corp`	true	named		true (ByPropertyName)	false

Attribute / Description	Parameters / Values				
	Required	**Position**	**Default Value**	**Accept Pipeline input?**	**Accept wildcard characters?**
DRARestServer [<String>] The name of the computer running the DRA Rest Service. The requested DRA operation will execute on this server. If the parameter is not specified, the value defaults to 'localhost'.	false	named		true (ByPropertyName)	false
DRARestPort [<Int32>] The port where the DRA REST Service listens for requests. If the parameter is not specified, the value defaults to 8755.	false	named	8755	true (ByPropertyName)	false
IgnoreCertificateErrors [<SwitchParameter>] Allows the request to bypass any SSL certificate errors, such as the InvalidOperation error that occurs when the REST Service is bound to a self-signed certificate.	false	named		false	false
Force [<SwitchParameter>] Suppresses any request for user input and supplies a 'yes' response. For example: -Force with a delete request will perform the delete without presenting the confirmation request to the user.	false	named		false	false
Timeout [<Int32>] The number of seconds to wait before the request to the DRA REST server times out. To specify an infinite timeout, you can set this parameter to -1.	false	named	100 seconds	false	false

Attribute / Description	Parameters / Values				
	Required	Position	Default Value	Accept Pipeline input?	Accept wildcard characters?
<CommonParameters> Verbose, Debug, ErrorAction, ErrorVariable, WarningAction, WarningVariable, OutBuffer, PipelineVariable, and OutVariable. For more information, see About CommonParameters (http://go.microsoft.com/fwlink/?LinkID=113216).					

NOTE: For more information, type "`Get-Help Set-DraCsClientPin -detailed`". For technical information, type "`Get-Help Set-DraCsClientPin -full`".

Example 32-49 *1*

```
PS C:\>Set-DraCsClientPin -Domain MyDomain.corp -Identifier
"CN=USER123,OU=Accounting,DC=MyDomain,DC=corp" -Pin 123456789
```

This example sets Skype PIN 123456789 for the user named USER123 in MyDomain.corp. The identifier contains the distinguished name for the user.

Example 32-50 *2*

```
PS C:\>Set-DraCsClientPin -Domain MyDomain.corp -Identifier
"CN=USER123,OU=Accounting,DC=MyDomain,DC=corp"
```

This example auto-generates the Skype PIN for the user named USER123 in MyDomain.corp. The identifier contains the distinguished name for the user.

Set-DraCsUser

Synopsis

Updates the Skype properties of the user account specified by the Identifier parameter.

Syntax

```
Set-DraCsUser -Domain <String> [-Enabled <Boolean>] [-SipAddress <String>]
[-AudioVideoDisabled <Boolean>] [-RemoteCallControlTelephonyEnabled
<Boolean>] [-EnterpriseVoiceEnabled <Boolean>] [-LineURI <String>] [-
LineServerURI <String>] -Identifier <String> [-DRARestServer <String>] [-
DRARestPort <Int32>] [-IgnoreCertificateErrors <SwitchParameter>] [-Force
<SwitchParameter>] [-Timeout <Int32>] [<CommonParameters>]
```

Description

The Set-DraCsUser cmdlet updates the Skype properties of the specified user account. The requesting user must have the 'Re-Enable Skype For Business for User' power to Re-Enable Skype For Business for User.

In the case of telephony the user should pass the parameters to set the correct telephony value. For example, if the user has set 'AudioVideoDisabled' to $true initially, when changing the telephony parameter to 'EnterpriseVoiceEnabled' you must pass '-AudioVideoDisabled $false' and '-EnterpriseVoiceEnabled $true'.

Parameters

Attribute / Description	Parameters / Values				
	Required	**Position**	**Default Value**	**Accept Pipeline input?**	**Accept wildcard characters?**
Properties <Hashtable> A hashtable of property values. The key is the name of a defined attribute in the REST interface. For example: `-Properties @{Attribute1DRADisplayName="my value"; Attribute2DRADisplayName=value}` Multiple values are specified as a comma-separated list. For example:`-Properties @{Attribute1DRADisplayName=value1, value2}` If the property name contains non-alphanumeric characters it needs to be quoted. For example: `-Properties @{"Attribute1-DRA-DisplayName"=value}` If the property value contains a quote it needs to be escaped with a backtick (`).  For example: `-Properties @{Attribute1DRADisplayName="`"sample`" value"}`	true	named		true (ByPropertyName)	false

Attribute / Description	Parameters / Values				
	Required	**Position**	**Default Value**	**Accept Pipeline input?**	**Accept wildcard characters?**
SipAddress [<String>] The user's SIP address. For example: `MyUserName@Mydomain.corp`. The SipAddress parameter can not be used simultaneously with the SipAddressType parameter.	false	named		true (ByPropertyName)	false
AudioVideoDisabled [<Nullable`1>] Setting this parameter to false, which is its default value, enables the user to make audiovisual calls via Skype for Business. Setting this parameter to true will restrict the user to sending and receiving instant messages only. For information about setting the values of Telephony Mode, see Setting up the values for Skype telephony mode.	false	named		true (ByPropertyName)	false
RemoteCallControlTelephonyEnabled [<Nullable`1>] Setting this parameter to true enables 'Remote Call Control' or 'Remote Call Control Only' for the user when 'AudioVideoDisabled' is also set to true. When enabled, the user must also specify 'LineURI' and 'LineServerURI'. For information about setting the values of Telephony Mode, see Setting up the values for Skype telephony mode.	false	named		true (ByPropertyName)	false

Attribute / Description	Parameters / Values				
	Required	**Position**	**Default Value**	**Accept Pipeline input?**	**Accept wildcard characters?**
EnterpriseVoiceEnabled [<Nullable`1>] Setting this parameter to true enables the Enterprise Voice feature in Skype for Business, which is Microsoft's implementation of Voice over Internet Protocol (VoIP). Enabling Enterprise Voice enables users to make telephone calls over the Internet. For information about setting the values of telephony mode, see Setting up the values for Skype telephony mode.	false	named		true (ByPropertyName)	false
LineURI [<String>] Specifies the phone number assigned to the user. This parameter must be specified in E.164 format and must use the 'TEL:' prefix. For example: TEL:+12345678279. This parameter is mandatory if 'RemoteCallControlTelephonyEnabled' is set to true.	false	named		true (ByPropertyName)	false
LineServerURI [<String>] The URI of the remote call control telephone gateway assigned to the user. This parameter is mandatory when 'RemoteCallControlTelephonyEnabled' is set to true. This parameter must be prefaced by 'sip:'. For example: `sip:user@domain.com`.	false	named		true (ByPropertyName)	false
Identifier <String> The name or distinguished name of an existing Active Directory object. When the name is specified, an additional call to the DRA Server is needed to obtain the distinguished name for the object.	true	named		true (ByPropertyName)	false

Attribute / Description	Parameters / Values				
	Required	**Position**	**Default Value**	**Accept Pipeline input?**	**Accept wildcard characters?**
Domain <String> The domain of the object in FQDN format. For example: `mydomain.corp`	true	named		true (ByPropertyName)	false
DRARestServer [<String>] The name of the computer running the DRA Rest Service. The requested DRA operation will execute on this server. If the parameter is not specified, the value defaults to 'localhost'.	false	named		true (ByPropertyName)	false
DRARestPort [<Int32>] The port where the DRA REST Service listens for requests. If the parameter is not specified, the value defaults to 8755.	false	named	8755	true (ByPropertyName)	false
IgnoreCertificateErrors [<SwitchParameter>] Allows the request to bypass any SSL certificate errors, such as the InvalidOperation error that occurs when the REST Service is bound to a self-signed certificate.	false	named		false	false
Force [<SwitchParameter>] Suppresses any request for user input and supplies a 'yes' response. For example: -Force with a delete request will perform the delete without presenting the confirmation request to the user.	false	named		false	false
Timeout [<Int32>] The number of seconds to wait before the request to the DRA REST server times out. To specify an infinite timeout, you can set this parameter to -1.	false	named	100 seconds	false	false

Attribute / Description	Parameters / Values				
	Required	Position	Default Value	Accept Pipeline input?	Accept wildcard characters?
<CommonParameters> Verbose, Debug, ErrorAction, ErrorVariable, WarningAction, WarningVariable, OutBuffer, PipelineVariable, and OutVariable. For more information, see About CommonParameters (http://go.microsoft.com/fwlink/?LinkID=113216).					

Setting up the values for Skype telephony mode

Telephony Mode	EnterpriseVoiceEnabled	RemoteCallControlTelephonyEnabled	AudioVideoDisabled
PC-to-PC (default)	false	false	false
Audio/Video disabled	false	false	true
Enterprise Voice	true	false	false
Remote call control	false	true	false
Remote call control only	false	true	true

NOTE: For more information, type "`Get-Help Set-DraCsUser -detailed`". For technical information, type "`Get-Help Set-DraCsUser -full`".

Example 32-51 *1*

```
PS C:\>Set-DraCsUser -Domain MyDomain.corp -Identifier
"CN=USER123,OU=Accounting,DC=MyDomain,DC=corp" -Enabled $true -
AudioVideoDisabled $true
```

This example enables Skype for a temporarily disabled user named USER123 in MyDomain.corp. The identifier contains the distinguished name of the user. Sets 'AudioVideoDisabled' in Skype telephony.

Example 32-52 *2*

```
PS C:\>Set-DraCsUser -Domain MyDomain.corp -Identifier
"CN=USER123,OU=Accounting,DC=MyDomain,DC=corp" -EnterpriseVoiceEnabled
$true -LineURI "TEL:+12345678279" -AudioVideoDisabled $false
```

This example modifies Skype telephony for a user named USER123 in MyDomain.corp. The identifier contains the distinguished name of the user. Sets EnterpriseVoiceEnabled and LineURI to 'TEL:+12345678279'. Initially, 'AudioVideoDisabled' is set "True" in Skype telephony, so we set it to false here; otherwise passing this command will generate an error.

Example 32-53 *3*

```
PS C:\>Set-DraCsUser -Domain MyDomain.corp -Identifier
"CN=USER123,OU=Accounting,DC=MyDomain,DC=corp" -Enabled $true -
AudioVideoDisabled $true -RemoteCallControlTelephonyEnabled $true -LineURI
"TEL:+14255551297" -LineServerURI "sip:USER123@MyDomain.corp"
```

This example enables Skype for a temporarily disabled user named USER123 in MyDomain.corp. The identifier contains the distinguished name for the user. Sets Remote Call Control Only (AudioVideoDisabled $true and RemoteCallControlTelephonyEnabled $true) in telephony. And LineURI as TEL:+12345678279, LineServerURI as sip:USER123@MyDomain.corp.

Example 32-54 *4*

```
PS C:\>Set-DraCsUser -Domain MyDomain.corp -Identifier
"CN=USER123,OU=Accounting,DC=MyDomain,DC=corp" -Enabled $false
```

This example temporarily disables Skype for a user named USER123 in MyDomain.corp. The identifier contains the distinguished name for the user.

Set-DRAMoveMailboxStatus

Synopsis

Sets the move mailbox status for the user account specified by the Identifier and Action parameters.

Syntax

```
Set-DRAMoveMailboxStatus -Domain <String> -Action <Int32> -Identifier
<String> [-DRARestServer <String>] [-DRARestPort <Int32>] [-
IgnoreCertificateErrors <SwitchParameter>] [-Force <SwitchParameter>] [-
Timeout <Int32>] [<CommonParameters>]
```

Description

The Set-DRAMoveMailboxStatus cmdlet sets the move mailbox status on the account specified by the Identifier and Action parameters. The requesting user must have the Move Exchange Mailbox power. Action = 0 (clear request) 1 (remove request) 2 (resume request)

Parameters

Attribute / Description	Parameters / Values				
	Required	**Position**	**Default Value**	**Accept Pipeline input?**	**Accept wildcard characters?**
Action <Nullable`1>	true	named		false	false
The Action = 0 (clear request) 1 (remove request) 2 (resume request).					
I***dentifier <String>***	true	named		true (ByPropertyName)	false
The name or distinguished name of an existing Active Directory object. When the name is specified, an additional call to the DRA Server is needed to obtain the distinguished name for the object.					
Domain <String>	true	named		true (ByPropertyName)	false
The domain of the object in FQDN format. For example: `mydomain.corp`					
DRARestServer [<String>]	false	named		true (ByPropertyName)	false
The name of the computer running the DRA Rest Service. The requested DRA operation will execute on this server. If the parameter is not specified, the value defaults to 'localhost'.					
DRARestPort [<Int32>]	false	named	8755	true (ByPropertyName)	false
The port where the DRA REST Service listens for requests. If the parameter is not specified, the value defaults to 8755.					
IgnoreCertificateErrors [<SwitchParameter>]	false	named		false	false
Allows the request to bypass any SSL certificate errors, such as the InvalidOperation error that occurs when the REST Service is bound to a self-signed certificate.					

Attribute / Description	Parameters / Values				
	Required	**Position**	**Default Value**	**Accept Pipeline input?**	**Accept wildcard characters?**
Force [<SwitchParameter>] Suppresses any request for user input and supplies a 'yes' response. For example: -Force with a delete request will perform the delete without presenting the confirmation request to the user.	false	named		false	false
Timeout [<Int32>] The number of seconds to wait before the request to the DRA REST server times out. To specify an infinite timeout, you can set this parameter to -1. ***<CommonParameters>*** Verbose, Debug, ErrorAction, ErrorVariable, WarningAction, WarningVariable, OutBuffer, PipelineVariable, and OutVariable. For more information, see About CommonParameters (http://go.microsoft.com/fwlink/?LinkID=113216).	false	named	100 seconds	true (ByPropertyName)	false

NOTE: For more information, type "`Get-Help Set-DRAMoveMailboxStatus -detailed`". For technical information, type "`Get-Help Set-DRAMoveMailboxStatus -full`".

Example 32-55 *1*

```
PS C:\>Set-DRAMoveMailboxStatus  -Domain MyDomain.corp -Identifier
"CN=USER123,OU=Accounting,DC=MyDomain,DC=corp" -Action 0
```

This example sets the move mailbox status for the user named USER123 in MyDomain.corp. The identifier contains the distinguished name for the user and the action 0 to clear the move mailbox status.

Set-DRAUser

Synopsis

Updates the properties of the user account specified by the Identifier parameter.

Syntax

```
Set-DRAUser -Domain <String> [-Properties <Hashtable>] [-Replace
<Hashtable>] [-Add <Hashtable>] [-Remove <Hashtable>] [-Clear <String[]>] -
Identifier <String> [-DRARestServer <String>] [-DRARestPort <Int32>] [-
IgnoreCertificateErrors <SwitchParameter>] [-Force <SwitchParameter>] [-
Timeout <Int32>] [<CommonParameters>]
```

Description

The Set-DRAUser cmdlet modifies the properties of the requested a user account with an on-premises Exchange mailbox or a user account with an Exchange Online mailbox (synced user account). The requesting user must have Modify User powers for each of the properties sent in the request.

Parameters

Attribute / Description	Parameters / Values				
	Required	**Position**	**Default Value**	**Accept Pipeline input?**	**Accept wildcard characters?**
Properties <Hashtable> A hashtable of property values. The key is the name of a defined attribute in the REST interface. For example: `-Properties @{Attribute1DRADisplayName="my value"; Attribute2DRADisplayName=value}` Multiple values are specified as a comma-separated list. For example:`-Properties @{Attribute1DRADisplayName=value1, value2}` If the property name contains non-alphanumeric characters it needs to be quoted. For example: `-Properties @{"Attribute1-DRA-DisplayName"=value}` If the property value contains a quote it needs to be escaped with a backtick (`).  For example: `-Properties @{Attribute1DRADisplayName="`"sample`" value"}`	true	named		true (ByPropertyName)	false

Attribute / Description	Parameters / Values				
	Required	**Position**	**Default Value**	**Accept Pipeline input?**	**Accept wildcard characters?**
Replace [<Hashtable>] A Hashtable of property values to replace the current set of values for the specified property. The key is the name of a defined property in the REST interface. For example: `-Replace @{Attribute1DRADisplayName="my value"; Attribute2DRADisplayName=value}` Multiple values are specified as a comma-separated list and will replace currently set values. For example: `-Replace @{Attribute1DRADisplayName=value1, value2}` If the property name contains non-alphanumeric characters it needs to be quoted. For example: `-Replace @{"Attribute1-DRA-DisplayName"=value}` If the property value contains a quote it needs to be escaped with a backtick (`).  For example: `-Replace @{Attribute1DRADisplayName="`"sample`" value"}`	false	named		true (ByPropertyName)	false

Attribute / Description	Parameters / Values				
	Required	**Position**	**Default Value**	**Accept Pipeline input?**	**Accept wildcard characters?**
Add [<Hashtable>] A Hashtable of property values to add to the current set of values for the specified multi-valued property. The key is the name of a defined property in the REST interface. For example: `-Add @{Attribute1DRADisplayName=value; Attribute2DRADisplayName=value1, value2; ...; AttributeNDRADisplayName=value1, value2}` Multiple values are specified as a comma-separated list. For example: `-Add @{Attribute1DRADisplayName=value1, value2}}` If the property name contains non-alphanumeric characters it needs to be quoted. For example: `-Add @{"Attribute1-DRA-DisplayName"=value}` If the property value contains a quote it needs to be escaped with a backtick (`).  For example: `-Add @{Attribute1DRADisplayName="`"sample`" value"}`	false	named		true (ByPropertyName)	false

Attribute / Description	Parameters / Values				
	Required	**Position**	**Default Value**	**Accept Pipeline input?**	**Accept wildcard characters?**
Remove [<Hashtable>]	false	named		true (ByPropertyName)	false
A Hashtable of property values to remove from the current set of values for the specified multi-valued property. The key is the name of a defined property in the REST interface. For example: `-Remove @{Attribute1DRADisplayName=value; Attribute2DRADisplayName=value1, value2; ...; AttributeNDRADisplayName=value1, value2}` Multiple values are specified as a comma-separated list and will be removed from currently set values. For example: `-Remove @{Attribute1DRADisplayName=value1,value2}` If the property name contains non-alphanumeric characters it needs to be quoted. For example: `-Remove @{"Attribute1-DRA-DisplayName"=value}` If the property value contains a quote it needs to be escaped with a backtick (`).  For example: `-Remove @{Attribute1DRADisplayName="`"sample`" value"}`					

Attribute / Description	Parameters / Values				
	Required	**Position**	**Default Value**	**Accept Pipeline input?**	**Accept wildcard characters?**
Clear [<String>] An array of property names whose values will be cleared. Each name is the name of a defined property in the REST interface. For example: `-Clear "Attribute1-DRA-DisplayName"` Multiple values need to be separated by a comma. For example: `-Clear Attribute1DRADisplayName, Attribute2DRADisplayName`	false	named		true (ByPropertyName)	false
Identifier <String> The name or distinguished name of an existing Active Directory object. When the name is specified, an additional call to the DRA Server is needed to obtain the distinguished name for the object.	true	named		true (ByPropertyName)	false
Domain <String> The domain of the object in FQDN format. For example: `mydomain.corp`	true	named		true (ByPropertyName)	false
DRARestServer [<String>] The name of the computer running the DRA Rest Service. The requested DRA operation will execute on this server. If the parameter is not specified, the value defaults to 'localhost'.	false	named		true (ByPropertyName	false
DRARestPort [<Int32>] The port where the DRA REST Service listens for requests. If the parameter is not specified, the value defaults to 8755.	false	named	8755	true (ByPropertyName	false

Attribute / Description	Parameters / Values				
	Required	**Position**	**Default Value**	**Accept Pipeline input?**	**Accept wildcard characters?**
IgnoreCertificateErrors [<SwitchParameter>] Allows the request to bypass any SSL certificate errors, such as the InvalidOperation error that occurs when the REST Service is bound to a self-signed certificate.	false	named		false	false
Force [<SwitchParameter>] Suppresses any request for user input and supplies a 'yes' response. For example: -Force with a delete request will perform the delete without presenting the confirmation request to the user.	false	named		false	false
Timeout [<Int32>] The number of seconds to wait before the request to the DRA REST server times out. To specify an infinite timeout, you can set this parameter to -1.	false	named	100 seconds	true (ByPropertyName)	false
<CommonParameters> Verbose, Debug, ErrorAction, ErrorVariable, WarningAction, WarningVariable, OutBuffer, PipelineVariable, and OutVariable. For more information, see About CommonParameters (http://go.microsoft.com/fwlink/?LinkID=113216).					

NOTE: For more information, type "`Get-Help Set-DRAUser -detailed`". For technical information, type "`Get-Help Set-DRAUser -full`".

Example 32-56 *1*

```
PS C:\>Set-DRAUser -Domain MyDomain.corp -Identifier "CN=Alfred
O365,OU=Tax,DC=MYDOM,DC=CORP" -Properties @{office365SendAsRemove="CN=AAA-
Alfred Don1,OU=Tax,DC=MYDOM,DC=CORP","CN=AA TestCase6,OU=Tax,DC=MYDOM,
DC=CORP";office365SendOnBehalfAdd="CN=Eric
Jones,OU=Tax,DC=MYDOM,DC=CORP`","CN=Ron
Jackson,OU=Tax,DC=MYDOM,DC=CORP";office365DeliverAndForward=$true;office36
5ForwardingAddress="CN=Aaron Jackson,OU=Tax,DC=MYDOM,DC=CORP"}
```

This example updates some of the Office 365 or Exchange Online Mailbox properties of the synced user Alfred O365 in MyDom.corp. The request will remove two users from the Send As list and add two different users to the Send On Behalf list. Note that these multi-valued properties must be enclosed in escaped quotation marks and separated by a comma between each value. For a list of Exchange Online mailbox properties that can be managed for a synced user, see Exchange Online Properties.

Example 32-57 *2*

```
PS C:\>Set-DRAUser -Domain MyDomain.corp -Identifier "USER123" -Properties
@{Manager=CN=George,CN=Users, DC=MYDOMAIN,DC=corp";Description="updated
description";TrustedForDelegation=$true;location="Houston"}
```

This example updates some properties on the user USER123 in MyDomain.corp. The Identifier specifies the name of the user. When the identifier format is the name, DRA resolves the name to the full distinguished name.

Example 32-58 *3*

```
PS C:\>Set-DRAUser  -Domain MyDomain.corp -Identifier
"CN=USER123,OU=Accounting,DC=MyDomain,DC=corp" -Properties
@{Manager="CN=George,CN=Users,DC=MYDOMAIN,DC=corp";TrustedForDelegation=$t
rue;location="Houston"}
```

This example updates some of the properties of the user USER123 in MyDomain.corp. The identifier contains the distinguished name for the user. Three properties are updated: Manager, Location, and TrustedForDelegation. To see the complete list of available properties, perform a Get-Member command on the object returned from any DRAUser command.

Unlock-DRACsClientPin

Synopsis

Unlocks Skype PIN for the user account specified by the Identifier parameter.

Syntax

```
Unlock-DRACsClientPin -Domain <String> -Identifier <String> [-
DRARestServer <String>] [-DRARestPort <Int32>] [-IgnoreCertificateErrors
<SwitchParameter>] [-Force <SwitchParameter>] [-Timeout <Int32>]
[<CommonParameters>]
```

Description

The Unlock-DRACsClientPin cmdlet unlocks Skype PIN for the specified user account. The requesting user must have the Unlock Skype Pin power.

Parameters

Attribute / Description	Parameters / Values				
	Required	**Position**	**Default Value**	**Accept Pipeline input?**	**Accept wildcard characters?**
Identifier <String> The name or distinguished name of an existing Active Directory object. When the name is specified, an additional call to the DRA Server is needed to obtain the distinguished name for the object.	true	named		true (ByPropertyName)	false
Domain <String> The domain of the object in FQDN format. For example: `mydomain.corp`	true	named		true (ByPropertyName)	false
DRARestServer [<String>] The name of the computer running the DRA Rest Service. The requested DRA operation will execute on this server. If the parameter is not specified, the value defaults to 'localhost'.	false	named		true (ByPropertyName)	false
DRARestPort [<Int32>] The port where the DRA REST Service listens for requests. If the parameter is not specified, the value defaults to 8755.	false	named	8755	true (ByPropertyName)	false
IgnoreCertificateErrors [<SwitchParameter>] Allows the request to bypass any SSL certificate errors, such as the InvalidOperation error that occurs when the REST Service is bound to a self-signed certificate.	false	named		false	false

Attribute / Description	Parameters / Values				
	Required	**Position**	**Default Value**	**Accept Pipeline input?**	**Accept wildcard characters?**
Force [<SwitchParameter>] Suppresses any request for user input and supplies a 'yes' response. For example: -Force with a delete request will perform the delete without presenting the confirmation request to the user.	false	named		false	false
Timeout [<Int32>] The number of seconds to wait before the request to the DRA REST server times out. To specify an infinite timeout, you can set this parameter to -1.	false	named	100 seconds	false	false
<CommonParameters> Verbose, Debug, ErrorAction, ErrorVariable, WarningAction, WarningVariable, OutBuffer, PipelineVariable, and OutVariable. For more information, see About CommonParameters (http://go.microsoft.com/fwlink/?LinkID=113216).					

NOTE: For more information, type "`Get-Help Unlock-DRACsClientPin -detailed`". For technical information, type "`Get-Help Unlock-DRACsClientPin -full`".

Example 32-59 *1*

```
PS C:\>Unlock-DRACsClientPin -Domain MyDomain.corp -Identifier
"CN=USER123,OU=Accounting,DC=MyDomain,DC=corp"
```

This example unlocks Skype PIN for the user named USER123 in MyDomain.corp. The identifier contains the distinguished name for the user.

Unlock-DRAUser

Synopsis

Unlocks the user account specified by the Identifier parameter.

Syntax

```
Unlock-DRAUser -Domain <String> [-DomainController <String>] -Identifier
<String> [-DRARestServer <String>] [-DRARestPort <Int32>] [-
IgnoreCertificateErrors <SwitchParameter>] [-Force <SwitchParameter>] [-
Timeout <Int32>] [<CommonParameters>]
```

Description

The Unlock-DRAUser cmdlet unlocks the specified user account, but does not change the password. The requesting user must have one of the Unlock User powers.

Parameters

Attribute / Description	Parameters / Values				
	Required	**Position**	**Default Value**	**Accept Pipeline input?**	**Accept wildcard characters?**
DomainController [<String>] The computer name of a specific domain controller to use for the request.	false	named		true (ByPropertyName)	false
RestoreToContainer [<String>] The distinguished name of the container to which you want to restore the object. If this parameter is not specified, DRA will attempt to restore the object to its original container.	false	named		true (ByPropertyName)	false
Identifier <String> The name or distinguished name of an existing Active Directory object. When the name is specified, an additional call to the DRA Server is needed to obtain the distinguished name for the object.	true	named		true (ByPropertyName)	false
Domain <String> The domain of the object in FQDN format. For example: `mydomain.corp`	true	named		true (ByPropertyName)	false

Attribute / Description	Parameters / Values				
	Required	**Position**	**Default Value**	**Accept Pipeline input?**	**Accept wildcard characters?**
DRARestServer [<String>] The name of the computer running the DRA Rest Service. The requested DRA operation will execute on this server. If the parameter is not specified, the value defaults to 'localhost'.	false	named		true (ByPropertyName)	false
DRARestPort [<Int32>] The port where the DRA REST Service listens for requests. If the parameter is not specified, the value defaults to 8755.	false	named	8755	true (ByPropertyName)	false
IgnoreCertificateErrors [<SwitchParameter>] Allows the request to bypass any SSL certificate errors, such as the InvalidOperation error that occurs when the REST Service is bound to a self-signed certificate.	false	named		false	false
Force [<SwitchParameter>] Suppresses any request for user input and supplies a 'yes' response. For example: -Force with a delete request will perform the delete without presenting the confirmation request to the user.	false	named		false	false
Timeout [<Int32>] The number of seconds to wait before the request to the DRA REST server times out. To specify an infinite timeout, you can set this parameter to -1.	false	named	100 seconds	true (ByPropertyName)	false

Attribute / Description	Parameters / Values				
	Required	**Position**	**Default Value**	**Accept Pipeline input?**	**Accept wildcard characters?**
<CommonParameters> Verbose, Debug, ErrorAction, ErrorVariable, WarningAction, WarningVariable, OutBuffer, PipelineVariable, and OutVariable. For more information, see About CommonParameters (http://go.microsoft.com/fwlink/?LinkID=113216).					

NOTE: For more information, type "`Get-Help Unlock-DRAUser -detailed`". For technical information, type "`Get-Help Unlock-DRAUser -full`".

Example 32-60 *1*

```
PS C:\>Unlock-DRAUser  -Domain MyDomain.corp -Identifier
"CN=USER123,OU=Accounting,DC=MyDomain,DC=corp"
```

This example unlocks the user USER123 in MyDomain.corp. The identifier contains the distinguished name for the user.

33 Workflow Commands

This section contains cmdlets you can execute for Workflow Events.

Add-DRAWorkflowEvent

Synopsis

Creates a generic Workflow Process event.

Syntax

```
Add-DRAWorkflowEvent -EventName <String> [-WorkflowParameters <Hashtable>]
[-DRARestServer <String>] [-DRARestPort <Int32>] [-IgnoreCertificateErrors
<SwitchParameter>] [-Force <SwitchParameter>] [-Timeout <Int32>]
[<CommonParameters>]
```

Description

The Add-DRAWorkflowEvent cmdlet creates a new generic Workflow Process event. Additional information can be included in the event's iqcmiXMLData attribute using the -WorkflowParameters parameter. The format of WorkflowParameters is a Hashtable of name/value pairs. All values will be converted to strings before being sent to DRA.

Parameters

Attribute / Description	Parameters / Values				
	Required	**Position**	**Default Value**	**Accept Pipeline input?**	**Accept wildcard characters?**
EventName <String> The name of the workflow event to create.	true	named		true (ByPropertyName)	false
WorkflowParameters [<Hashtable>] An optional hashtable of name/value pairs that will be included in the workflow event.	false	named		true (ByPropertyName)	false

Attribute / Description	Parameters / Values				
	Required	**Position**	**Default Value**	**Accept Pipeline input?**	**Accept wildcard characters?**
DRARestServer [<String>] The name of the computer running the DRA REST Service. The requested DRA operation will be sent to the REST Service running on the specified computer. If this parameter is not specified, then the cmdlet will attempt to discover a DRA REST Service to use.	false	named		true (ByPropertyName)	false
DRARestPort [<Int32>] The port number of the DRA REST Service. This parameter is only used when the DRARestServer parameter is also specified. If the DRARestServer parameter is specified but the DRARestPort is not, 8755 will be used as the default REST port.	false	named	8755	true (ByPropertyName)	false
IgnoreCertificateErrors [<SwitchParameter>] Allows the request to bypass any SSL certificate errors, such as the InvalidOperation error that occurs when the REST Service is bound to a self-signed certificate.	false	named		false	false
Force [<SwitchParameter>] Suppresses any request for user input and supplies a 'yes' response. For example: -Force with a delete request will perform the delete without presenting the confirmation request to the user.	false	named		false	false
Timeout [<Int32>] The number of seconds to wait before the request to the DRA REST server times out. To specify an infinite timeout, you can set this parameter to -1.	false	named	100 seconds	true (ByPropertyName)	false

Attribute / Description	Parameters / Values				
	Required	Position	Default Value	Accept Pipeline input?	Accept wildcard characters?
<CommonParameters> Verbose, Debug, ErrorAction, ErrorVariable, WarningAction, WarningVariable, OutBuffer, PipelineVariable, and OutVariable. For more information, see About CommonParameters (http://go.microsoft.com/fwlink/?LinkID=113216).					

NOTE: For more information, type "`Get-Help Add-DRAWorkflowEvent -detailed`". For technical information, type "`Get-Help Add-DRAWorkflowEvent -full`".

Example 33-1 *1*

```
PS C:\>Add-DRAWorkflowEvent -EventName "DraAddToGroupRequest" -
WorkflowParamters @{ UserName = "myDomain\demouser"; GroupDn =
"CN=Sales,CN=Users,DC=myDomain,DC=corp"}
```

This example creates a Workflow Process event named DraAddToGroupRequest. The event will also contain a formatted XML representation of the UserName and GroupDn specified in the WorkflowParameters. For example:

```
<?xml version="1.0" encoding="utf-16"?>

<parameter-list>

<UserName>myDomain\demouser</UserName>

<GroupDn>CN=Sales,CN=Users,DC=myDomain,DC=corp</GroupDn>

</parameter-list>
```

The XML is stored in the event's iqcimXMLData attribute.