Micro Focus Security
ArcSight SOAR 3.7

Software Version: 3.7

Integration Guides

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- Software Version number
- Document Release Date, which changes each time the document is updated
- Software Release Date, which indicates the release date of this version of the software

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Integration Guide for AbuseIPDB

Integration Overview

Abuse Intelligence Production Data Base (Abuse IPDB) is a project dedicated to help combating the spread of hackers, spammers, and abusive activity on the internet.

Integration Capabilities

ArcSight SOAR has the following integration capabilities with AbuseIPDB:

- Check IP
- Report IP

Prerequisites

You must have access to HTTPS as the ArcSight SOAR connects to AbuseIPDB API through this service.

Configuration

Configuring AbuseIPDB

1. Navigate to AbuseIPDB create an account.
2. Click API tab and create an API key.

Configuring SOAR

1. Click **Configuration** > **Credential** > **Create Credential**.
2. Specify the following parameter values in the **Credential Editor**:

Type	Name	Username	Password	Private Key
Internal credential	Display name of credential set (for example, AbuseIPDB Credential).			Create API key

3. Click **Configuration** > **Integrations** > **Create Integration**.

4. Specify the following parameter values in the **Configuration Form**.

<table>
<tr><th>Parameter</th><th>Value</th></tr>
<tr><td><b>Name</b></td><td>Display name of the integration.</td></tr>
<tr><td><b>Type</b></td><td>AbuseIPDB</td></tr>
<tr><td><b>Address</b></td><td>https://api.abuseipdb.com</td></tr>
<tr><td><b>Configuration</b></td><td>Specify the following configuration parameters:
<table>
<tr><td><b>max.age.in.days</b></td><td><b>The max.age.in.days parameter determines how far back in time go to fetch reports [1, 365]. For example, max.age.in.days=30</b></td></tr>
<tr><td><b>cache.reusing.duration</b></td><td><b>configure how far (in minutes) into the past this enrichment will look. For example, cache.reusing.duration=20</b></td></tr>
<tr><td><b>proxy.id</b></td><td><b>ID of the Proxy integration if you access AbuseIPDB through a web proxy device. For example, proxy.id = 12345</b></td></tr>
</table></td></tr>
<tr><td><b>Credential</b></td><td>Credential that has been defined for this integration in the <b>Credentials</b> menu.</td></tr>
<tr><td><b>Trust Invalid SSL Certificates</b></td><td>Select this option if web server’s certificate is self-signed or is not recognized by browsers.</td></tr>
<tr><td><b>Require Approval From</b></td><td>Select user(s) from list to ask the approval before executing actions on this integration.</td></tr>
<tr><td><b>Notify</b></td><td>Select user(s) from the list to notify when SOAR performs an action on this integration.</td></tr>
</table>

5. Click **Save** to save the integration definition.
6. Navigate to **Configuration**>**Customization Library** and edit **AbuseIPDB Advanced Action Script Default Template**.
7. Select the integration that you have added in **Integrations** menu.
8. Click **Save** to complete the integration.
9. Click **Test**, an **Integration Successful** message is displayed if the credential and address are valid.

Capabilities

1. **Check IP**
   Enrichment capability for getting details about the IP.

   The following table presents the **Check IP** capability details:

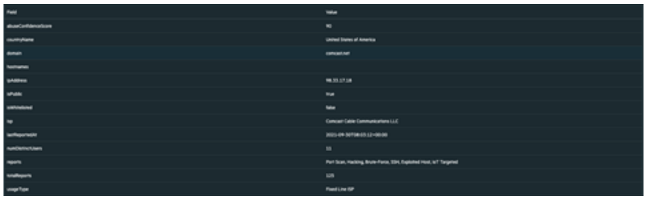
Input Parameter	Description	Type	Scope Resticted (Yes/No)	Required (Yes/No)
Integration	Name of the third party integration.	Integration	No	Yes
Max Age in Days	The max.age.in.days parameter determines how far back in time go to fetch reports.	Text	No	No
IP	IP to be checked.	Network Address	Yes	Yes

Output:

Case Scope:

Action	Type	Category/ Value
Add	Scope Item	Keyword (Related)

Human Readable Output:



Field	Value
abuseConfidenceScore	90
countryName	United States of America
domain	comcast.net
hostnames	
ipAddress	98.33.17.18
isPublic	true
isWhitelisted	false
isp	Comcast Cable Communications LLC
lastReportedAt	2021-09-30T08:03:12+00:00
numDistinctUsers	11
reports	Port Scan, Hacking, Brute-Force, SSH, Exploited Host, IoT Targeted
totalReports	125
usageType	Fixed Line ISP

2. **Report IP**

   Action capability for reporting an IP address:

   Rollback : No

   Duplicate Check: No

   The following table provides the Report IP action capability details:

Input Parameter	Description	Type	Scope Resticted (Yes/No)	Required (Yes/No)
IP	IP to be reported.	Network Access	Yes	Yes
Category	Category of reported IP.	Enum	No	Yes
Comment	Comment for reported IP.	Text	No	No

Output:

Case Scope:

Action	Type	Category/ Value
Add	Scope Item	Keyword (Related)

Human Readable Output: N/A

Integration Guide for AlientVault OTX

Integration Overview

AlienVault OTX is an open threat exchange platform supported by AlienVault and the community.

Adding a new line to Test.

Integration Capabilities

ArcSight SOAR has the following integration capabilities with AlienVault OTX:

- IP Indicator
- Hash Indicator
- URL Indicator
- Domain Indicator
- Hostname Indicator

Use Case: Enrichment of artifacts detected in the organization

SOAR, when integrated with AlienValut OTX, can search for an artifact and gather information such as related threats and recent detections. This information may lead the investigation into a different path, and analysts can investigate and root out malicious activities in their networks.

This integration can be performed automatically within a playbook or manually by an analyst.

Configuration

Prerequisites

- SOAR connects to AlienVault OTX API via HTTPS. Typically it runs on 443/tcp port. So access to this service is required.
- A user account is required for SOAR to connect to AlienVault OTX. It can be created from the following link:

  https://otx.alienvault.com

Configuring AlienVault OTX

- AlienVault OTX requires an API key for access. Users can retrieve it from https://otx.alienvault.com/api after logging in with a valid credential.

Configuring SOAR

1. Click Configuration > Credentials > Create Credential
2. Fill in the Credential Editor form with the following information:

Type	Name	Username	Password	Private Key
Internal Credential	Display name of credential set (i.e., AlienVault OTX Credentials)	Empty	Empty	API Key retrieved from the AlienVault OTX

3. Click **Configuration** > **Integrations** > **Create Integration**
4. Fill in the configuration form with the following information:

Parameter	Value
Name	Display name of AlienVault OTX integration on SOAR.
Type	AlienVault OTX.
Address	Address of the cloud service is standard: https://otx.alienvault.com.

Parameter	Value

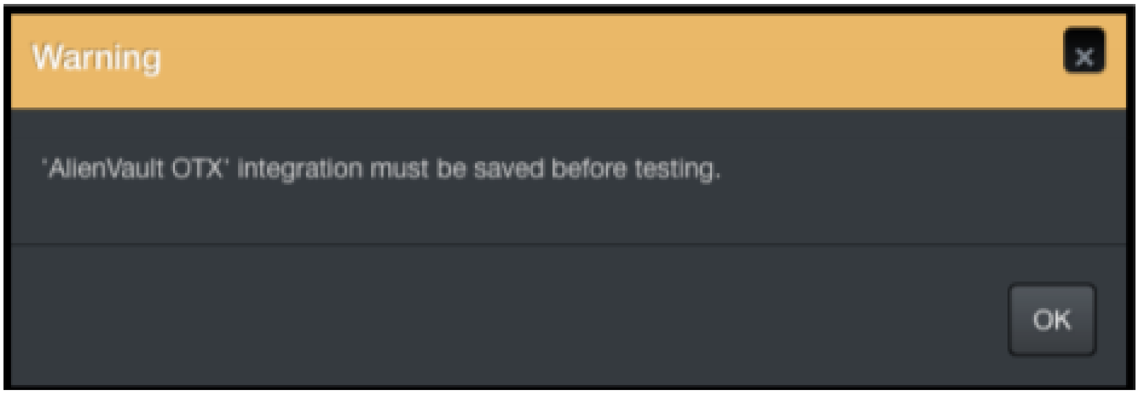
Configuration	You need to specify the following configuration parameters:
	`# Integration ID of the proxy integration to use when co`
	`nnecting to current`
	`# integration.`
	`# If not provided, SOAR will try to use a direct connection.`
	`#proxy.id=123`
	`#Max count of fetching NIDS list for IP Indicator enrichment`
	`#If not provided, SOAR will fetch last 10 NIDS(s)`
	`#ip.indicator.nids.list.entry.count=10`
	`#Max count of fetching URL list for IP Indicator enrichment`
	`#If not provided, SOAR will fetch last 50 URL(s)`
	`#ip.indicator.url.list.entry.count=50`
	`#Max count of fetching URL list for Domain Indicator enrichment`
	`#If not provided, SOAR will fetch last 50 URL(s)`
	`#domain.indicator.url.list.entry.count=50`
	`#Max count of fetching Malware list for Hostname Indicator enrichment`
	`#If not provided, SOAR will fetch last 50 Malware(s)`
	`#hostname.indicator.malware.list.entry.count=50`
	`#Max count of fetching URL list for Hostname Indicator enrichment`
	`#If not provided, SOAR will fetch last 50 URL(s)`
	`#hostname.indicator.url.list.entry.count=50`
	`# configure how far (in minutes) into the past this enrichment will look.`
	`#cache.reusing.duration=20`

Credential	Name of the credential set you've just created on step 2. (i.e., AlienVault OTX Credentials).
Trust Invalid SSL Certificates	Select this if Engine's certificate is self-signed or not recognized by browsers. Not selected.
Require Approval From	Select user(s) from list to ask her/his approval before executing enrichments on this integration.
`Notify`	Select user(s) from the list to notify when SOAR performs an enrichment on this integration.

5. Click Save to complete integration.
6. When you click the Test button the following pop up should be displayed if your credentials and address are valid.

Additional Notes

- AlienVault OTX integration on SOAR is an Advanced Action Script, and the content of the default script is accessible under Configuration > Customization Library.
- While defining the integration for the first time, you will encounter the following warning message, which is expected behavior for this type of integration.



Warning

'AlienVault OTX' integration must be saved before testing.

Integration Guide for Amazon EC2

Integration Overview

Amazon EC2 (Elastic Compute Cloud) forms a central part of Amazon.com’s cloud-computing platform, Amazon Web Services, by allowing users to establish virtual networks and rent virtual computers on which they can run their own applications. Amazon EC2 REST-API supports the following Amazon Web Services:

- Amazon EC2
- Amazon EBS
- Amazon VPC
- AWS VPN

Please note that this integration is in Beta.

Integration Capabilities

ArcSight SOAR has the following integration capabilities with Amazon EC2:

- Add Network ACL Entry (VPC)
- Delete Network ACL Entry (VPC)

Use Case: Blocking Attackers

SOAR when integrated with Amazon EC2, blocks the attacker's IP addresses while responding to a cyber-attack. The blocking can be performed automatically within a playbook or manually by an analyst.

Configuration

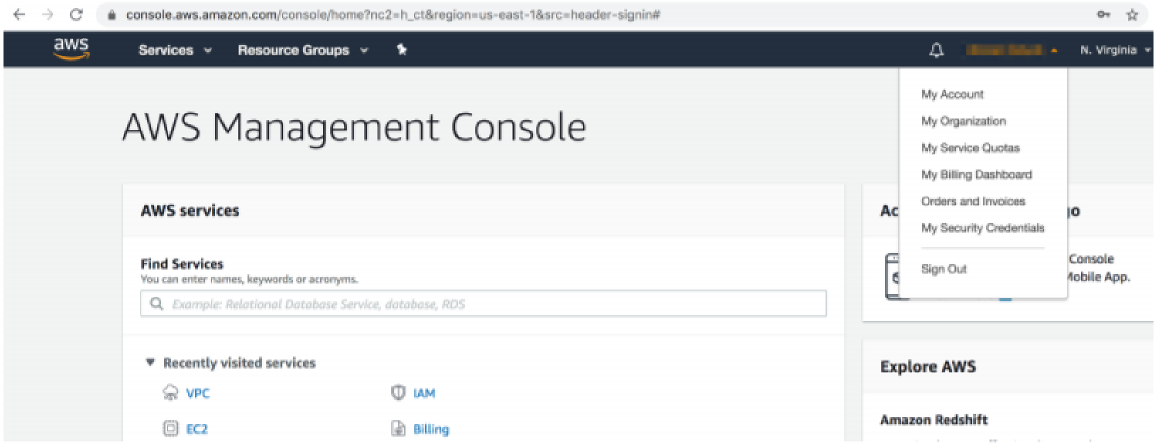
Prerequisites

- SOAR connects to Amazon EC2 API via HTTPS. Access to https://ec2.amazonaws.com (443/tcp port) is required.
- AWS Access Key and AWS Access Key Secret are required for SOAR to connect

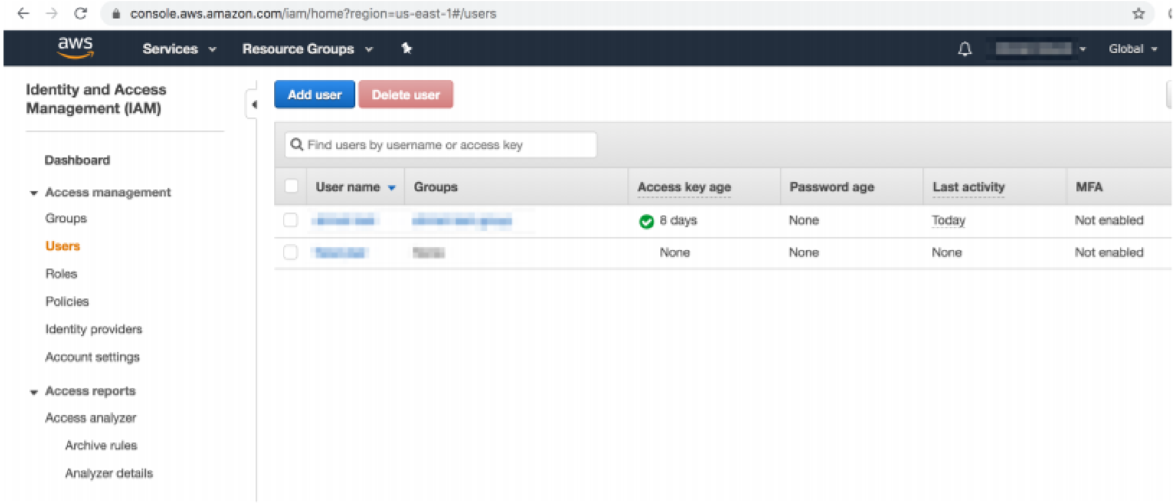
Amazon Web Services.

Configuring on Amazon AWS

1. Log in to Amazon Console (https://aws.amazon.com). Navigate to My Security Credentials, and select Identity Access Management (IAM) service:



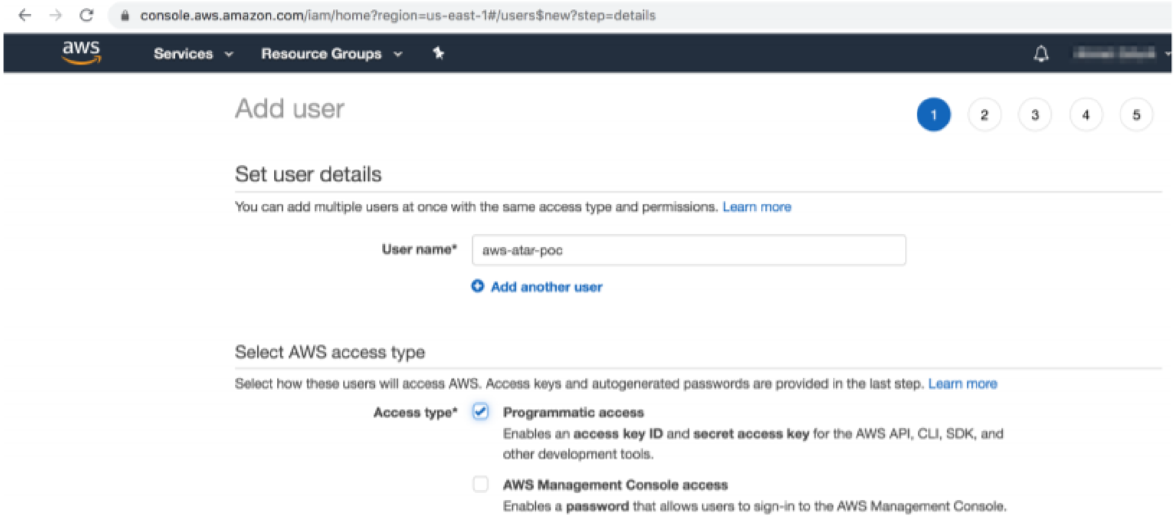
2. To add an IAM(identity and access management) user, click Access Management > Users > Add User. While adding new user account, it is important to select Access Type as Programmatic Access.



console.aws.amazon.com/iam/home?region=us-east-1#/users

Identity and Access Management (IAM)

□	User name	Groups	Access key age	Password age	Last activity	MFA
□	[redacted]	[redacted]	✓ 8 days	None	Today	Not enabled
□	[redacted]	[redacted]	None	None	None	Not enabled



console.aws.amazon.com/iam/home?region=us-east-1#/users$new?step=details

Add user

Set user details

You can add multiple users at once with the same access type and permissions. Learn more

User name* aws-atar-poc

Select AWS access type

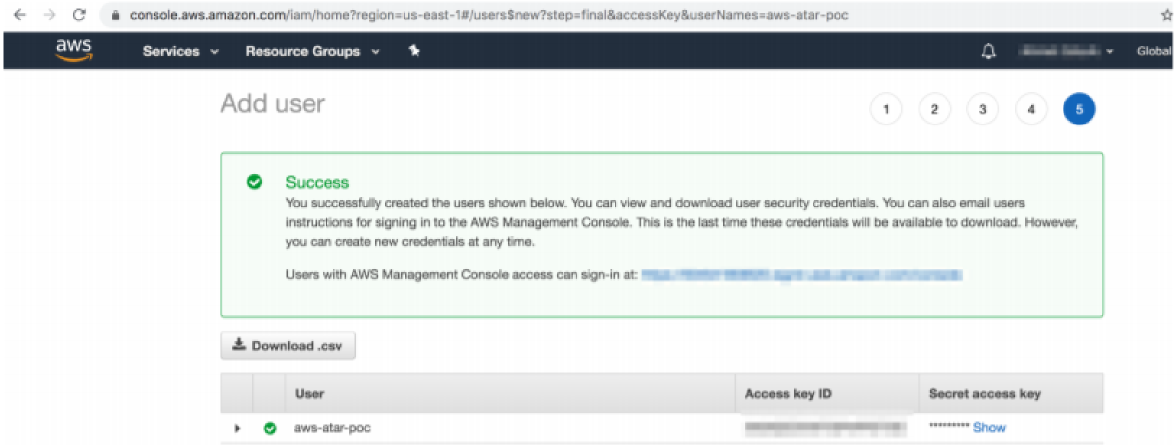
Select how these users will access AWS. Access keys and autogenerated passwords are provided in the last step. Learn more

Access type* ☑ **Programmatic access**
Enables an **access key ID** and **secret access key** for the AWS API, CLI, SDK, and other development tools.

□ **AWS Management Console access**
Enables a **password** that allows users to sign-in to the AWS Management Console.

3. You can skip the next steps in the Add User process until Access Key and Access Key Secret are displayed.

> Note: Download the credentials as the Access Key Secret is never displayed post this step.



console.aws.amazon.com/iam/home?region=us-east-1#/users$new?step=final&accessKey&userNames=aws-atar-poc

Add user

Success

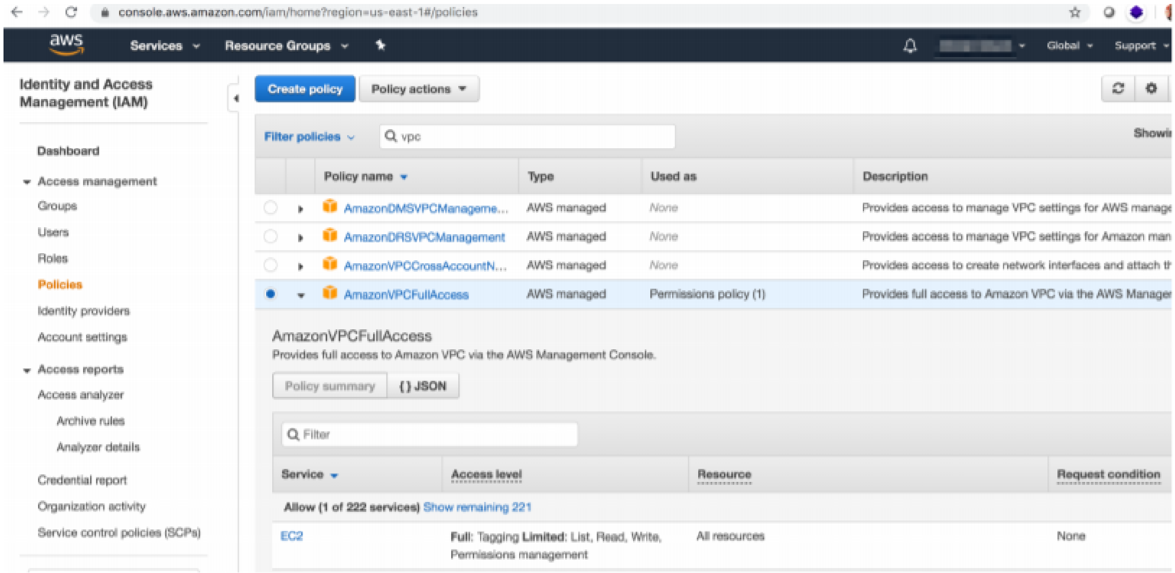
You successfully created the users shown below. You can view and download user security credentials. You can also email users instructions for signing in to the AWS Management Console. This is the last time these credentials will be available to download. However, you can create new credentials at any time.

Users with AWS Management Console access can sign-in at: [redacted]

	User	Access key ID	Secret access key
▸ ✓	aws-atar-poc	[redacted]	********* Show

4. To arrange access policy, click > Access Management > Policies, and search for the required policy in previously defined policies list.

   For example, the following image shows the policy AmazonVPCFullAccess.



Search: vpc

	Policy name	Type	Used as	Description
○	AmazonDMSVPCManageme...	AWS managed	None	Provides access to manage VPC settings for AWS manage
○	AmazonDRSVPCManagement	AWS managed	None	Provides access to manage VPC settings for Amazon man
○	AmazonVPCCrossAccountN...	AWS managed	None	Provides access to create network interfaces and attach th
●	AmazonVPCFullAccess	AWS managed	Permissions policy (1)	Provides full access to Amazon VPC via the AWS Manager

AmazonVPCFullAccess

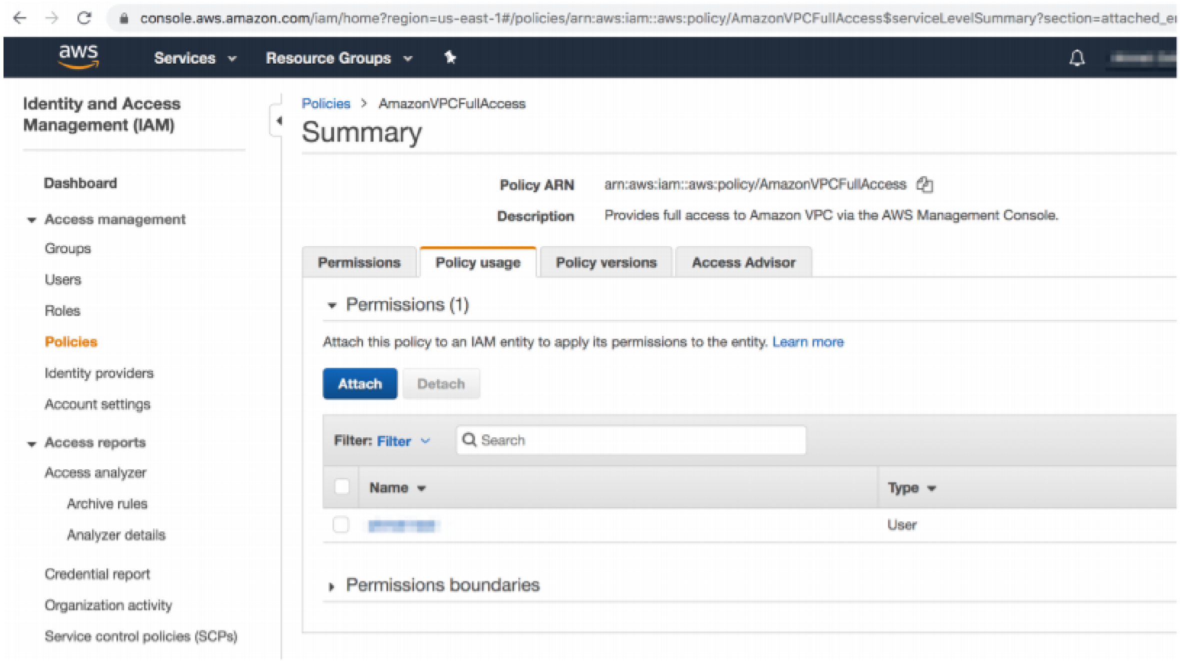
Provides full access to Amazon VPC via the AWS Management Console.

Service	Access level	Resource	Request condition
Allow (1 of 222 services) Show remaining 221			
EC2	**Full:** Tagging **Limited:** List, Read, Write, Permissions management	All resources	None

5. Select AmazonVPCFullAccess and open the Policy Summary.

   a. **Click Policy Usage** > **Attach**.

   b. In the Attach Policy menu, select the user that you have created in the previous steps, from the available users list in the system.



console.aws.amazon.com/iam/home?region=us-east-1#/policies/arn:aws:iam::aws:policy/AmazonVPCFullAccess$serviceLevelSummary?section=attached_e

Summary

Policy ARN arn:aws:iam::aws:policy/AmazonVPCFullAccess

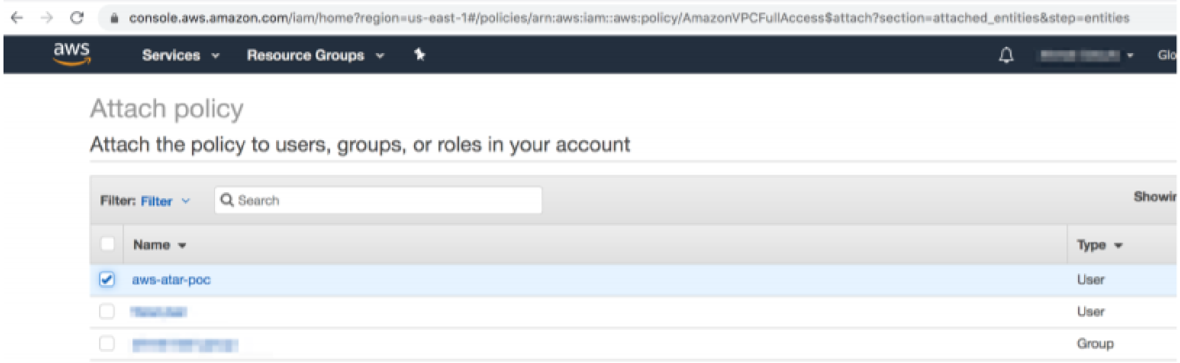
Description Provides full access to Amazon VPC via the AWS Management Console.

Permissions (1)

Attach this policy to an IAM entity to apply its permissions to the entity. Learn more

	Name	Type
□	[redacted]	User

Permissions boundaries



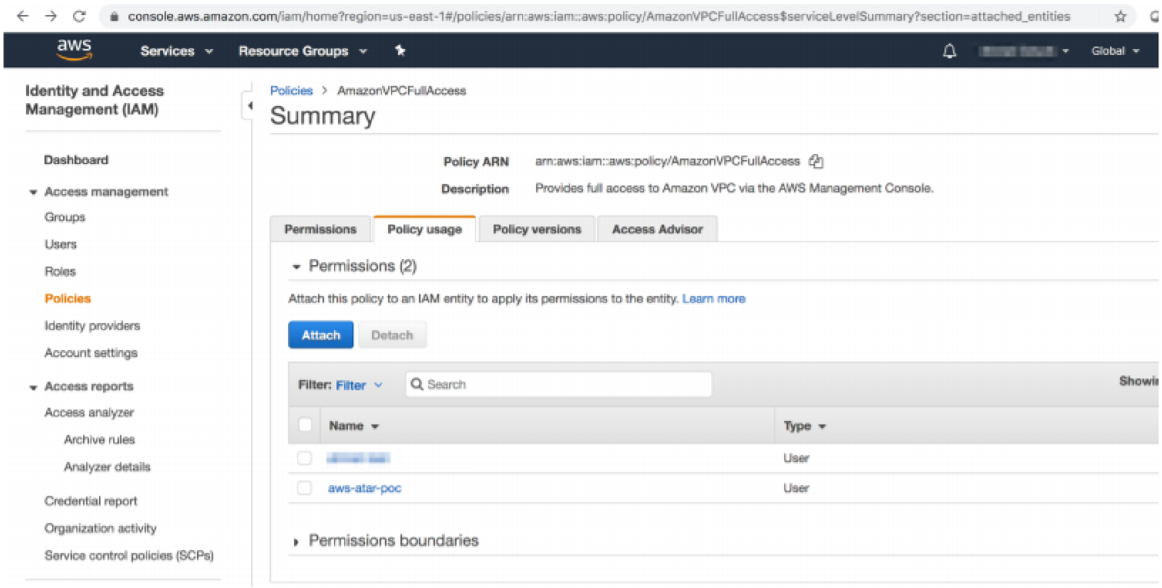
console.aws.amazon.com/iam/home?region=us-east-1#/policies/arn:aws:iam::aws:policy/AmazonVPCFullAccess$attach?section=attached_entities&step=entities

Attach policy

Attach the policy to users, groups, or roles in your account

	Name	Type
☑	aws-atar-poc	User
□	[redacted]	User
□	[redacted]	Group

6. You can verify if the permission is successful for the user account that you've created on the Policy Usage page.



Summary

Policy ARN arn:aws:iam::aws:policy/AmazonVPCFullAccess

Description Provides full access to Amazon VPC via the AWS Management Console.

Permissions (2)

Attach this policy to an IAM entity to apply its permissions to the entity. Learn more

Name	Type
[redacted]	User
aws-atar-poc	User

Configuring on SOAR

1. Click **Configuration** > **Credentials** > **Create Credential.**
2. Fill the Credential Editor form with the following information:

a. Internal Credential:

Type	Name	Username:	Password	Private Key
Internal credential	Display name of credential set (i.e., Amazon AWS Credentials)	Access Key of IAM user you have created	Secret of Access Key of IAM user you have created	Empty

b. Credential Store:

Type	Name
External credential	Name of the credential with full path of the safe on store

3. Click **Configuration** > **Integrations** > **Create Integration**. Fill the Configuration form with the following information:

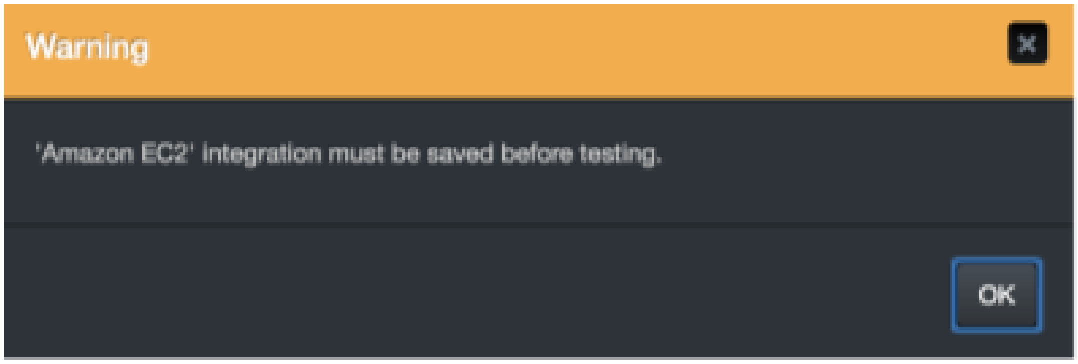
Parameter	Value
Type	Amazon EC2
Address	Address of the integration (https://ec2.amazonaws.com)

Parameter	Value
Configuration	You need to specify the following configuration parameters
Credential	Name of the credential set you have just created on step 2. (i.e., Amazon AWS Credentials)
Trust Invalid SSL Certificates	No need to select
Require Approval From	Select user(s) from list to ask her/his approval before executing actions on this integration
Notify	Select user(s) from the list to notify when SOAR performs an action on integration

4. Click Save to complete integration.
5. Click the Test button. The following pop up will be displayed if your credential and address are valid.

Additional Notes

- Amazon EC2 integration on SOAR is an Advanced Script, and the content of the default script is accessible under **Configuration** > **Customization** Library.
- While defining the integration for the first time, you might encounter the following warning message, which is the expected behavior for this type of integration.



Warning

'Amazon EC2' integration must be saved before testing.

Integration Guide for Amazon IAM

Integration Overview

Amazon AWS Identity and Access Management (IAM) enables you to manage access to AWS services and resources securely. Using IAM, you can create and manage AWS users and groups, and use permissions to allow and deny their access to AWS resources.

Integration Capabilities

ArcSight SOAR has the following integration capabilities with amazon IAM:

- Add User to Group
- Create Group
- Deactivate MFA Device
- Delete Access Key
- Delete All Access Keys
- Delete All SSH Public Keys
- Delete All Service Specific Credentials
- Delete Group
- Delete Login Profile
- Delete SSH Public Key
- Delete Service Specific Credential
- Delete User Policy
- Delete Virtual MFA Device
- Detach User Policy
- Get Access Key Last Used
- Get Group (List Group Members)
- Get Policy
- Get User Policy
- Get User
- List Access Keys
- List Attached User Policies

- List Entities for Policy
- List Groups
- List Groups for User
- List MFA Devices
- List SSH Public Keys
- List Service Specific Credentials
- List User Policies
- List User Tags
- List Users
- Remove User from Group

Configuration

Prerequisites

- You must have access to HTTPS as the ArcSight SOAR connects to amazon iam API through this service.
- Access key is required to access this service.

Configuring SOAR

1. Click **Configuration** > **Credential** > **Create Credential**.
2. Specify the following parameter values in the **Credential Editor** form:

Type	Name	Username	Password	Private Key
Internal credential	Display name of credential set (for example,Amazon IAM Credential).	Empty	Access Key	Secret Key

3. Click **Configuration** > **Integrations** > **Create Integration**.
4. Specify the following parameter values in the **Configuration** form.

Parameter	Value
Name	Display name of the integration.
Type	Amazon IAM
Address	Address of the integration (the format must be https://iam.amazonaws.com).

Parameter	Value
Configuration	Specify the following configuration parameters: **proxy.id** | **ID of the proxy integration if you access amazon web services through a web proxy device. For example: proxy.id = 12345** .
Credential	Credential that has been defined for this integration in the **Credentials** menu.
Trust Invalid SSL Certificates	Select this if web server’s certificate is self-signed or is not recognized by browsers.
Require Approval From	Select user(s) from list to ask the approval before executing actions on this integration.
Notify	Select user(s) from the list to notify when SOAR performs an action on this integration.

5. Click **Save** to save the integration definition.
6. Navigate to **Configuration**>**Customization Library** and edit **Amazon IAM Advanced Action Script Default Template**.
7. Select the integration that you have added in the **Integrations** menu.
8. Click **Save** to complete the integration.
9. Click **Test**, an **Integration Successful** message is displayed if the credential and address are valid.

Capabilities

1. **Add User to Group**

   Action capability for adding a user to given group.

   - Rollback: Yes
   - Duplicate Control: No

   The following table presents the **Add User to Group** action capability details:

Input Parameter	Description	Type	Scope Restricted (Yes/ No)	Required (Yes/ No)
Integration	Name of the third party integration.	Integration	N/A	Yes
Rollback Mode	Time to rollback this action. Default is **no-rollback**.	N/A	N/A	No

Input Parameter	Description	Type	Scope Restricted (Yes/ No)	Required (Yes/ No)
User	Username to be added to group	Username Keyword Unknown	Yes	Yes
Group Name	Target group Name	String	No	Yes

Output:

Case Scope: N/A

Human Readable Output: N/A

2. **Create Group**

   Action capability for creating a user group.

   - Rollback: No
   - Duplicate Control: False

   The following table presents the**Create Group** action capability details:

Input Parameter	Description	Type	Scope Restricted (Yes/ No)	Required (Yes/ No)
Integration	Name of the third party integration.	Integration	N/A	Yes
Path Prefix	Path where the group is created.	String	No	Yes
Group Name	Target group Name	String	No	Yes

Output:

Case Scope: N/A

Human Readable Output: N/A

3. **Deactivate MFA**

   Action capability for deactivating user’s multi factor authentication device.

   - Rollback: No
   - Duplicate Control: Yes

   The following table presents the **Deactivate MFA** action capability details:

Input Parameter	Description	Type	Scope Restricted (Yes/ No)	Required (Yes/ No)
Integration	Name of the third party integration.	Integration	N/A	Yes
User	Username	Username Keyword Unknown	Yes	Yes
Serial Number	MFA Device's serial number	String	No	Yes

Output:

Case Scope: N/A

Human Readable Output: N/A

4. **Delete Access Key**

   Action capability for deleting user's access key.

   - Rollback: No
   - Duplicate Control: Yes

   The following table presents the **Delete Access Key** action capability details:

Input Parameter	Description	Type	Scope Restricted (Yes/ No)	Required (Yes/ No)
Integration	Name of the third party integration.	Integration	N/A	Yes
User	Username	Username Keyword Unknown	Yes	Yes
Access Key ID	Access Key ID	String	No	Yes

Output:

Case Scope: N/A

Human Readable Output: N/A

5. **Delete All Access Keys**

   Action capability for deleting user's all access keys.

   - Rollback: No
   - Duplicate Control: No

   The following table presents the **Delete All Access Keys** action capability details:

Input Parameter	Description	Type	Scope Restricted (Yes/ No)	Required (Yes/ No)
Integration	Name of the third party integration.	Integration	N/A	Yes
User	Username	Username Keyword Unknown	Yes	Yes

Output:

Case Scope: No

Human Readable Output: No

6. **Delete All Service Specific Credentials**

   Action capability for deleting user’s all service specific credentials.

   - Rollback: No
   - Duplicate Control: No

   The following table presents the **Delete All Service Specific Credentials** action capability details:

Input Parameter	Description	Type	Scope Restricted (Yes/ No)	Required (Yes/ No)
Integration	Name of the third party integration.	Integration	N/A	Yes
User	Username	Username Keyword Unknown	Yes	Yes

Output:

Case Scope: N/A

Human Readable Output: N/A

7. **Delete All SSH Public Keys**

   Action capability for deleting user’s all SSH public keys.

   - Rollback: No
   - Duplicate Control: No

   The following table presents the **Delete All SSH Public Keys** action capability details:

Input Parameter	Description	Type	Scope Restricted (Yes/ No)	Required (Yes/ No)
Integration	Name of the third party integration.	Integration	N/A	Yes
User		Username Keyword Unknown	Yes	Yes

Output:

Case Scope: N/A

Human Readable Output: N/A

8. **Delete Group**

   Action capability for deleting group.

   - Rollback: No
   - Duplicate Control: No

   The following table presents the **Delete Group** action capability details:

Input Parameter	Description	Type	Scope Restricted (Yes/ No)	Required (Yes/ No)
Integration	Name of the third party integration.	Integration	N/A	Yes
Group Name	Group name to be deleted	String	Yes	Yes

Output:

Case Scope: N/A

Human Readable Output: N/A

9. **Delete Login Profile**

   Action capability for deleting user’s login profile.

   - Rollback: No
   - Duplicate Control: No

   The following table presents the **Delete Login Profile** action capability details:

Input Parameter	Description	Type	Scope Restricted (Yes/ No)	Required (Yes/ No)
Integration	Name of the third party integration.	Integration	N/A	Yes
User	Username	Username Keyword Unknown	Yes	Yes

Output:

Case Scope: N/A

Human Readable Output: N/A

10. **Delete Service Specific Credential**

Action capability for deleting user's service specific credential.

- Rollback: No
- Duplicate Control: Yes

The following table presents the **Delete Service Specific Credential** action capability details:

Input Parameter	Description	Type	Scope Restricted (Yes/ No)	Required (Yes/ No)
Integration	Name of the third party integration.	Integration	N/A	Yes
User	Username	Username Keyword Unknown	Yes	Yes
Credential ID	Service specific credential Id to be deleted	String	No	Yes

Output:

Case Scope: N/A

Human Readable Output: N/A

11. **Delete SSH Public Key**

Action capability for deleting user's SSH public key.

The following table presents the **Delete SSH Public Key** action capability details:

Input Parameter	Description	Type	Scope Restricted (Yes/ No)	Required (Yes/ No)
Integration	Name of the third party integration.	Integration	N/A	Yes
User	Username	Username Keyword Unknown	Yes	Yes
SSH Public Key Id	SSH Public Key Id to be deleted.	String	No	Yes

Output:

Case Scope: N/A

Human Readable Output: N/A

12. **Delete User Policy**

Action capability for deleting user policy.

- Rollback: No
- Duplicate Control: No

The following table presents the **Delete User Policy** action capability details:

Input Parameter	Description	Type	Scope Restricted (Yes/ No)	Required (Yes/ No)
Integration	Name of the third party integration.	Integration	N/A	Yes
User	Username	Username Keyword Unknown	Yes	Yes
Policy Name	Policy to be deleted.	String	No	Yes

Output:

Case Scope: N/A

Human Readable Output: No/A

13. **Delete Virtual MFA Device**

Action capability for deleting virtual multi factor authentication device.

- Rollback: No
- Duplicate Control: Yes

The following table presents the **Delete Virtual MFA Device** action capability details:

Input Parameter	Description	Type	Scope Restricted (Yes/ No)	Required (Yes/ No)
Integration	Name of the third party integration.	Integration	N/A	Yes
Serial Number	Serial number of MFA device to be deleted.	String	No	Yes

Output:

Case Scope: N/A

Human Readable Output: N/A

14. **Detach User Policy**

Action capability for detaching policy from user.

- Rollback: No
- Duplicate Control: No

The following table presents the **Detach User Policy** action capability details:

Input Parameter	Description	Type	Scope Restricted (Yes/ No)	Required (Yes/ No)
Integration	Name of the third party integration.	Integration	N/A	Yes
User	Username	Username Keyword Unknown	Yes	Yes
Policy arn	Policy to be detached.	String	No	Yes

Output:

Case Scope: N/A

Human Readable Output: N/A

15. **Get Access Key Last Used**

Enrichment capability for retrieving last used information for access key.

The following table presents **Get Access Key Last Used** action capability details:

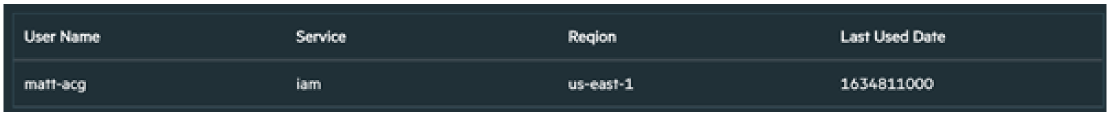
Input Parameter	Description	Type	Scope Restricted (Yes/ No)	Required (Yes/ No)
Integration	Name of the third party integration.	Integration	N/A	Yes
Access Key ID	Key ID to be queried .	String	No	Yes

Output:

Case Scope:

Enrichment	Type	Category Value
None	N/A	N/A

Human Readable Output:



User Name	Service	Region	Last Used Date
matt-acg	iam	us-east-1	1634811000

16. **Get Group**

Enrichment capability for retrieving list of group members.

The following table presents the **Get Group** action capability details:

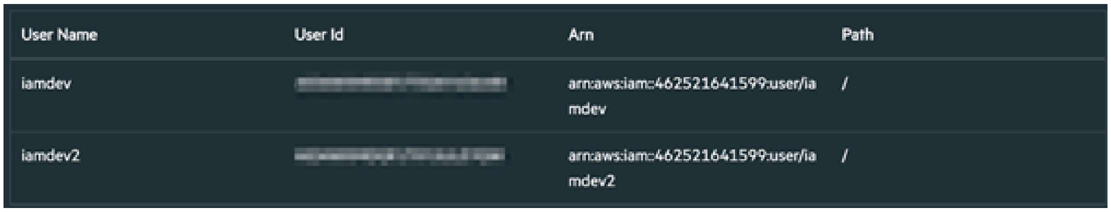
Input Parameter	Description	Type	Scope Restricted (Yes/ No)	Required (Yes/ No)
Integration	Name of the third party integration.	Integration	N/A	Yes
Group Name	Group Name	String	No	Yes

Output:

Case Scope:

Enrichment	Type	Category Value
None	N/A	N/A

Human Readable Output:



User Name	User Id	Arn	Path
iamdev	[redacted]	arn:aws:iam::462521641599:user/iamdev	/
iamdev2	[redacted]	arn:aws:iam::462521641599:user/iamdev2	/

17. **Get Policy**

Enrichment capability for retrieving policy information.

The following table presents the **Get Policy** action capability details:

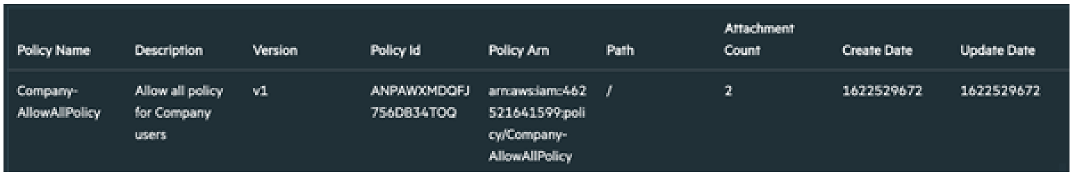
Input Parameter	Description	Type	Scope Restricted (Yes/ No)	Required (Yes/ No)
Integration	Name of the third party integration.	Integration	N/A	Yes
Policy arn	Policy arn.	String	No	Yes

Output:

Case Scope:

Enrichment	Type	Category Value
None	N/A	N/A

Human Readable Output:



Policy Name	Description	Version	Policy Id	Policy Arn	Path	Attachment Count	Create Date	Update Date
Company-AllowAllPolicy	Allow all policy for Company users	v1	ANPAWXMDQFJ756DB34TOQ	arn:aws:iam::462521641599:policy/Company-AllowAllPolicy	/	2	1622529672	1622529672

18. **Get User**

Enrichment capability for retrieving user details.

The following table presents the **Get User** action capability details:

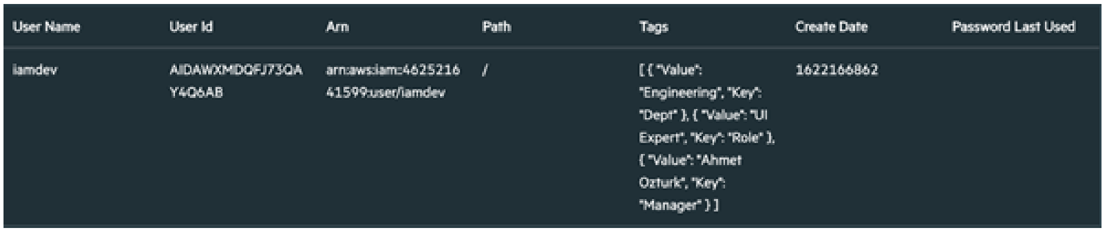
Input Parameter	Description	Type	Scope Restricted (Yes/ No)	Required (Yes/ No)
Integration	Name of the third party integration.	Integration	N/A	Yes
User	Username	Username Keyword Unknown	Yes	Yes

Output:

Case Scope:

Enrichment	Type	Category Value
None	N/A	N/A

Human Readable Output:



User Name	User Id	Arn	Path	Tags	Create Date	Password Last Used
iamdev	AIDAWXMDQFJ73QAY4Q6AB	arn:aws:iam::462521641599:user/iamdev	/	[{ "Value": "Engineering", "Key": "Dept" }, { "Value": "UI Expert", "Key": "Role" }, { "Value": "Ahmet Ozturk", "Key": "Manager" }]	1622166862	

19. **Get User Policy**

Enrichment capability for adding a user to given group.

The following table presents the **Get User Policy** action capability details:

Input Parameter	Description	Type	Scope Restricted (Yes/ No)	Required (Yes/ No)
Integration	Name of the third party integration.	Integration	N/A	Yes
User	Username to be added to group	Username Keyword Unknown	Yes	Yes
Policy Name	Policy name	String	No	Yes

Output:

Case Scope:

Enrichment	Type	Category Value
None	N/A	N/A

20. **List Access Keys**

Enrichment capability for listing user’s access keys.

The following table presents the **List Access Keys** action capability details:

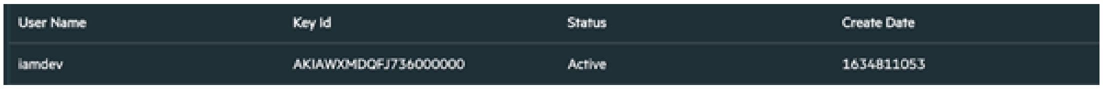
Input Parameter	Description	Type	Scope Restricted (Yes/ No)	Required (Yes/ No)
Integration	Name of the third party integration.	Integration	N/A	Yes
User	Username	Username Keyword Unknown	Yes	Yes

Output:

Case Scope:

Enrichment	Type	Category Value
None	N/A	N/A

Human Readable Output:



User Name	Key Id	Status	Create Date
iamdev	AKIAWXMDQFJ736000000	Active	1634811053

21. **List Attached User Policies**

Enrichment capability for listing attached user policies.

The following table presents the **List Attached User Policies** action capability details:

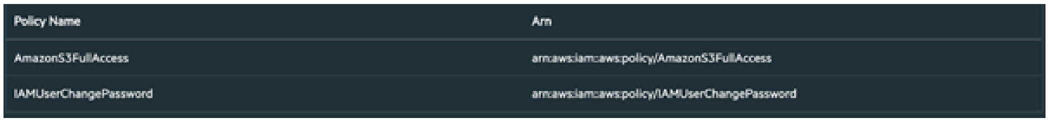
Input Parameter	Description	Type	Scope Restricted (Yes/ No)	Required (Yes/ No)
Integration	Name of the third party integration.	Integration	N/A	Yes
User	Username	Username Keyword Unknown	Yes	Yes

Output:

Case Scope:

Enrichment	Type	Category Value
None	N/A	N/A

Human Readable Output: No



Policy Name	Arn
AmazonS3FullAccess	arn:aws:iam::aws:policy/AmazonS3FullAccess
IAMUserChangePassword	arn:aws:iam::aws:policy/IAMUserChangePassword

22. **List Entities for User Policy**

Enrichment capability for listing entities for given user policy.

The following table presents the **List Entities for User Policy** action capability details:

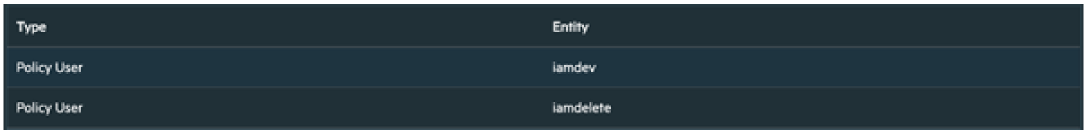
Input Parameter	Description	Type	Scope Restricted (Yes/ No)	Required (Yes/ No)
Integration	Name of the third party integration.	Integration	N/A	Yes
Policy Arn	Policy arn	String	No	Yes

Output:

Case Scope:

Enrichment	Type	Category Value
None	N/A	N/A

Human Readable Output:



Type	Entity
Policy User	iamdev
Policy User	iamdelete

23. **List Groups**

Enrichment capability for listing groups under given path prefix.

The following table presents the **List Groups** action capability details:

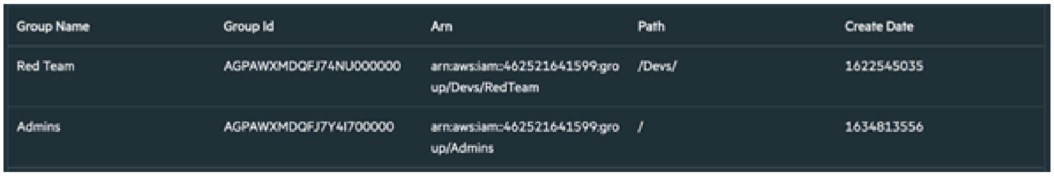
Input Parameter	Description	Type	Scope Restricted (Yes/ No)	Required (Yes/ No)
Integration	Name of the third party integration.	Integration	N/A	Yes
Path Prefix	Path Prefix under groups to be listed.	String	No	Yes

Output:

Case Scope:

Enrichment	Type	Category Value
None	N/A	N/A

Human Readable Output:



Group Name	Group Id	Arn	Path	Create Date
Red Team	AGPAWXMDQFJ74NU000000	arn:aws:iam::462521641599:group/Devs/RedTeam	/Devs/	1622545035
Admins	AGPAWXMDQFJ7Y4I700000	arn:aws:iam::462521641599:group/Admins	/	1634813556

24. **List Groups for User**

Enrichment capability for listing user’s groups.

The following table presents the **List Groups for User** action capability details:

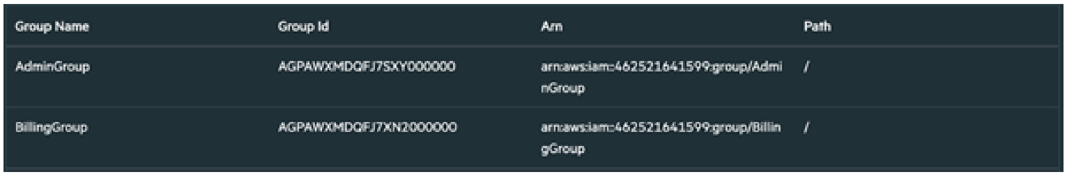
Input Parameter	Description	Type	Scope Restricted (Yes/ No)	Required (Yes/ No)
Integration	Name of the third party integration.	Integration	N/A	Yes
User	Username	Username Keyword Unknown	Yes	Yes

Output:

Case Scope:

Enrichment	Type	Category Value
None	N/A	N/A

Human Readable Output:



Group Name	Group Id	Arn	Path
AdminGroup	AGPAWXMDQFJ7SXY000000	arn:aws:iam::462521641599:group/AdminGroup	/
BillingGroup	AGPAWXMDQFJ7XN2000000	arn:aws:iam::462521641599:group/BillingGroup	/

25. **List MFA Devices**

Enrichment capability for listing user’s MFA devices.

The following table presents the **List MFA Devices** action capability details:

Input Parameter	Description	Type	Scope Restricted (Yes/ No)	Required (Yes/ No)
Integration	Name of the third party integration.	Integration	N/A	Yes
User	Username	Username Keyword Unknown	Yes	Yes

Output:

Case Scope:

Enrichment	Type	Category Value
None	N/A	N/A

Human Readable Output: No

26. **List Service Specific Credentials**

Enrichment capability for listing user’s service specific credentials.

The following table presents the **List Service Specific Credentials** action capability details:

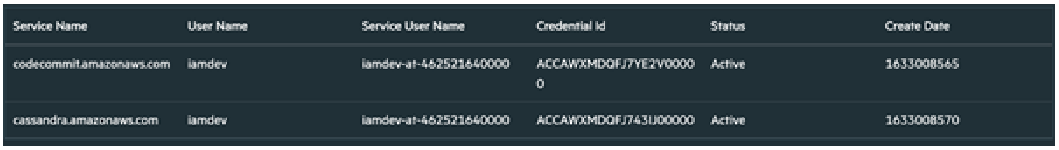
Input Parameter	Description	Type	Scope Restricted (Yes/ No)	Required (Yes/ No)
Integration	Name of the third party integration.	Integration	N/A	Yes
User	Username	Username Keyword Unknown	Yes	Yes

Output:

Case Scope:

Enrichment	Type	Category Value
None	N/A	N/A

Human Readable Output:



Service Name	User Name	Service User Name	Credential Id	Status	Create Date
codecommit.amazonaws.com	iamdev	iamdev-at-462521640000	ACCAWXMDQFJ7YE2V0000 0	Active	1633008565
cassandra.amazonaws.com	iamdev	iamdev-at-462521640000	ACCAWXMDQFJ743IJ00000	Active	1633008570

27. **List SSH Public Keys**

Enrichment capability for listing user’s SSH Public Keys..

The following table presents the **List SSH Public Keys** action capability details:

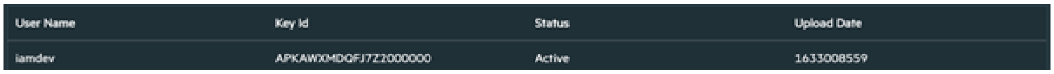
Input Parameter	Description	Type	Scope Restricted (Yes/ No)	Required (Yes/ No)
Integration	Name of the third party integration.	Integration	N/A	Yes
User	Username to be added to group	Username Keyword Unknown	Yes	Yes

Output:

Case Scope:

Enrichment	Type	Category Value
None	N/A	N/A

Human Readable Output:



User Name	Key Id	Status	Upload Date
iamdev	APKAWXMDQFJ7Z2000000	Active	1633008559

28. **List Users**

Enrichment capability for listing users under the given path.

The following table presents the **List Uesrs** action capability details:

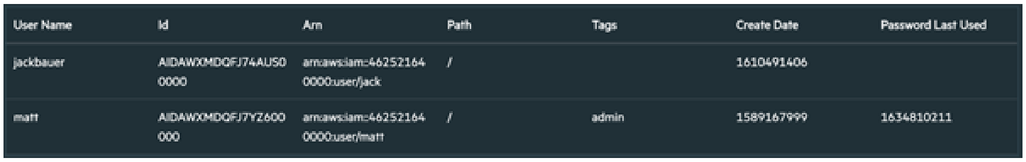
Input Parameter	Description	Type	Scope Restricted (Yes/ No)	Required (Yes/ No)
Integration	Name of the third party integration.	Integration	N/A	Yes
Path Prefix	Path Prefix under users to be listed.	String	No	Yes

Output:

Case Scope:

Enrichment	Type	Category Value
None	N/A	N/A

Human Readable Output:



User Name	Id	Arn	Path	Tags	Create Date	Password Last Used
jackbauer	AIDAWXMDQFJ74AUS00000	arn:aws:iam::462521640000:user/jack	/		1610491406	
matt	AIDAWXMDQFJ7YZ600000	arn:aws:iam::462521640000:user/matt	/	admin	1589167999	1634810211

29. **List User Policies**

Enrichment capability for listing user’s policies.

The following table presents the **List User Policies** action capability details:

Input Parameter	Description	Type	Scope Restricted (Yes/ No)	Required (Yes/ No)
Integration	Name of the third party integration.	Integration	N/A	Yes
User		Username Keyword Unknown	Yes	Yes

Output:

Case Scope:

Enrichment	Type	Category Value
None	N/A	N/A

30. **List User Tags**

Enrichment capability for listing user’s tags.

The following table presents the **List User Tags** action capability details:

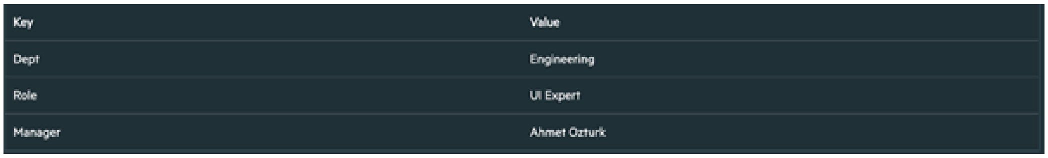
Input Parameter	Description	Type	Scope Restricted (Yes/ No)	Required (Yes/ No)
Integration	Name of the third party integration.	Integration	N/A	Yes
User	Username	Username Keyword Unknown	Yes	Yes

Output:

Case Scope:

Enrichment	Type	Category Value
None	N/A	N/A

Human Readable Output: No



Key	Value
Dept	Engineering
Role	UI Expert
Manager	Ahmet Ozturk

31. **Remove User from Group**

Action capability for adding a user to given group.

- Rollback: Yes
- Duplicate Control: No

The following table presents the **Add User to Group** action capability details:

Input Parameter	Description	Type	Scope Restricted (Yes/ No)	Required (Yes/ No)
Integration	Name of the third party integration.	Integration	N/A	Yes
Rollback Mode	Time to rollback this action. Default is no-rollback.	N/A	N/A	No

Input Parameter	Description	Type	Scope Restricted (Yes/ No)	Required (Yes/ No)
User	Username to be added to group	Username Keyword Unknown	Yes	Yes
Group Name	Target group Name	String	No	Yes

Output:

Case Scope: N/A

Human Readable Output: N/A

Integration Guide for Amazon S3

Integration Overview

Amazon S3 service is offered by Amazon Web Services which provides object storage through a web service framework.

Integration Capabilities

ArcSight SOAR has the following integration capabilities with Amazon S3:

- Create Bucket
- Delete Bucket
- Download File From Bucket
- List Bucket Objects
- List Buckets
- Get Bucket Location

These capabilities can be performed automatically within a playbook or manually by an analyst.

Prerequisites

- You must have access to HTTPS as the ArcSight SOAR connects to Amazon S3 API through this service.
- Access Key ID and Secret Access Key is also required for integration.

Configuration

Configuring SOAR

1. Click **Configuration** > **Credential** > **Create Credential**.
2. Specify the following parameter values in the **Credential Editor** form.

Type	Name	Username	Password	Private Key
Internal credential	Display name of credential set (for example, Amazon S3 Credential).		Access Key ID should be filled in this field.	Secret key should be filled in this field.

3. Click **Configuration** > **Integrations** > **Create Integration**.
4. Specify the following parameter values in the **Configuration** form.

<table>
<tr><th>Parameter</th><th>Value</th></tr>
<tr><td>Name</td><td>Display name of the integration.</td></tr>
<tr><td>Type</td><td>Amazon S3</td></tr>
<tr><td>Address</td><td>Address of the integration (the format must be https://s3.amazonaws.com).</td></tr>
<tr><td>Configuration</td><td>Specify the following configuration parameters:
<table>
<tr><td><b>proxy.id</b></td><td><b>ID of the Proxy integration if you access Amazon S3 through a web proxy device. For example: proxy.id = 12345 .</b></td></tr>
<tr><td><b>region</b></td><td><b>Default region name that has to be used while working on buckets. For example, proxy.id = 12345.</b></td></tr>
</table></td></tr>
<tr><td>Credential</td><td>Credential that has been defined for this integration in the <b>Credentials</b> menu.</td></tr>
<tr><td>Trust Invalid SSL Certificates</td><td>Select this if web server’s certificate is self-signed or is not recognized by browsers.</td></tr>
<tr><td>Require Approval From</td><td>Select user(s) from list to ask the approval before executing actions on this integration.</td></tr>
<tr><td>Notify</td><td>Select user(s) from the list to notify when SOAR performs an action on this integration.</td></tr>
</table>

5. Click **Save** to save the integration definition.
6. Navigate to **Configuration**>**Customization Library** and edit **Amazon S3 Advanced Action Script Default Template**.
7. Select the integration that you have added in the **Integrations** menu.
8. Click **Save** to complete the integration.
9. Click **Test**, an **Integration Successful** message is displayed if the credential and address are valid.

Capabilities

1. **Create Bucket**
   Action capability for creating a bucket in Amazon S3.

   The following table presents the **Create Bucket** action capability details:

Input Parameter	**Description**	**Type**	**Scope Restricted (Yes/ No)**	**Required (Yes/ No)**
Bucket Name	Name of the Amazon S3 Bucket that would be created.	String	N/A	Yes
Region	Region name of the bucket that would be created	List	N/A	No

   Output:

   Case Scope: N/A

   Human Readable Output: N/A

2. **Delete Bucket**
   Action capability for deleting a bucket in Amazon S3.

   The following table presents the **Delete Bucket** action capability details:

Input Parameter	Description	Type	Scope Restricted (Yes/ No)	Required (Yes/ No)
Bucket Name	Name of the Amazon S3 Bucket that would be deleted.	String	N/A	Yes

   Output:

   Case Scope: N/A

   Human Readable Output: N/A

3. **Download File From Bucket**
   Enrichment capability for downloading a file from bucket.

   The following table presents the **Download File From Bucket** enrichment capability details:

Input Parameter	Description	Type	Scope Restricted (Yes/ No)	Required (Yes/ No)
Integration	Name of the third party integration.	Integration	N/A	Yes
Bucket Name	Name of the bucket that contains the file.	String	N/A	Yes

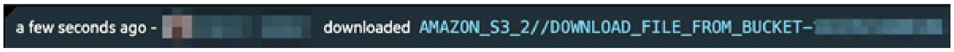
Input Parameter	Description	Type	Scope Restricted (Yes/ No)	Required (Yes/ No)
Key	Name of the file to be downloaded.	String	No	Yes
Do not Use Cache	SOAR does not use cached results if this box is checked.	Boolean	N/A	No
Region	Region name of the bucket that would be created	List	N/A	No

Output:

Case Scope:

Enrichment	**Type**	**Category/ Value**
Download File From Bucket	Any	File
Download File From Bucket	String	File Name
Download File From Bucket	MD5	#
Download File From Bucket	SHA1	#

Human Readable Output:



a few seconds ago - [redacted] downloaded AMAZON_S3_2//DOWNLOAD_FILE_FROM_BUCKET-[redacted]

4. **List Bucket Objects**

   Enrichment capability for listing bucket objects in Amazon S3.

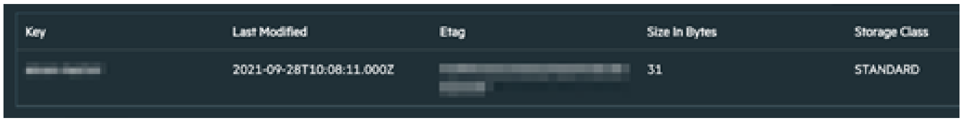
   The following table presents the **List Bucket Objects** enrichment capability details:

Input Parameter	**Description**	**Type**	**Scope Restricted (Yes/ No)**	**Required (Yes/ No)**
Integration	Name of the third party integration.	Integration	N/A	Yes
Bucket Name	Name of the bucket that contains the file.	String	N/A	Yes
Do not Use Cache	SOAR does not use cached results if this box is checked.	Boolean	N/A	No
Region	Region name of the bucket that would be created	List	N/A	No

Output:

Case Scope: N/A

Human Readable Output:



Key	Last Modified	Etag	Size In Bytes	Storage Class
[redacted]	2021-09-28T10:08:11.000Z	[redacted]	31	STANDARD

5. **List Buckets**

   Enrichment capability for listing a buckets in Amazon S3.

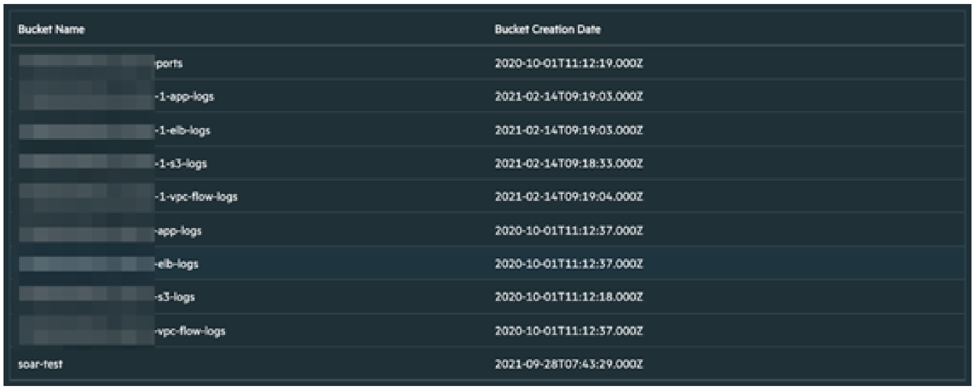
   The following table presents the **List Buckets**enrichment capability details:

Input Parameter	Description	Type	Scope Restricted (Yes/ No)	Required (Yes/ No)
Integration	Name of the third party integration.	Integration	N/A	Yes

Output:

Case Scope: N/A

Human Readable Output:



Bucket Name	Bucket Creation Date
[redacted]-ports	2020-10-01T11:12:19.000Z
[redacted]-1-app-logs	2021-02-14T09:19:03.000Z
[redacted]-1-elb-logs	2021-02-14T09:19:03.000Z
[redacted]-1-s3-logs	2021-02-14T09:18:33.000Z
[redacted]-1-vpc-flow-logs	2021-02-14T09:19:04.000Z
[redacted]-app-logs	2020-10-01T11:12:37.000Z
[redacted]-elb-logs	2020-10-01T11:12:37.000Z
[redacted]-s3-logs	2020-10-01T11:12:18.000Z
[redacted]-vpc-flow-logs	2020-10-01T11:12:37.000Z
soar-test	2021-09-28T07:43:29.000Z

6. **Get Bucket Location**

   Enrichment capability of getting region of the bucket.

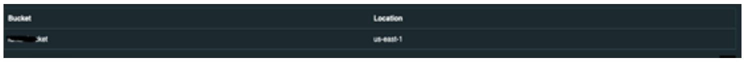
   The following table presents the **List Buckets**enrichment capability details:

Input Parameter	Description	Type	Scope Restricted (Yes/ No)	Required (Yes/ No)
Integration	Name of the third party integration.	Integration	N/A	Yes
Bucket Name	Name of the Bucket	String	No	Yes

Output:

Case Scope: N/A

Human Readable Output:



Bucket	Location
[redacted]ket	us-east-1

Integration Guide for APIVoid

Integration Overview

APIVoid is an API service for threat analysis and threat detection and prevention.

Integration Capabilities

ArcSight SOAR has the following integration capabilities with APIVoid:

- IP Reputation
- ThreatLog Domain Query
- Domain Reputation
- URL Screenshot
- URL Reputation
- Domain Age
- Site Trustworthiness
- Parked Domain
- URL Status
- HTTP Tracker
- Email Verify
- DNS Lookup
- DNS Propagation
- SSL Info
- URL to HTML
- URL to PDF

Prerequisites

- You must have the network access through APIVoid
- You must have the APIVoid API key.

Configuration

Configuring APIVoid

1. Register to **APIVoid**. After logging, the API key is available.
2. Click **My API Keys** and copy the API key.

Configuring SOAR

1. Click **Configuration** > **Integration** > **Create Integration**.
2. Click **Create**. In **Configuration Editor** specify following values to create a credential:

Type	Name	Username	Password	Private Key
Internal credential	Display name of credential set (for example, APIVoid Credential).			API Key that you copied from APIVoid portal.

3. Click **Save** to save the integration definition.
4. Navigate to **Configuration**>**Customization Library** and edit **APIVoid Advanced Action Script Default Template**.
5. Select the integration that you have added in the **Integrations** menu.
6. Click **Save** to complete the integration.
7. Click **Test**, an **Integration Successful** message is displayed if the credential and address are valid.

1. **IP Reputation**
   Enrichment capability for retrieving reputation value of given IP address.

   Following table presents the **IP reputation** enrichment capability details:

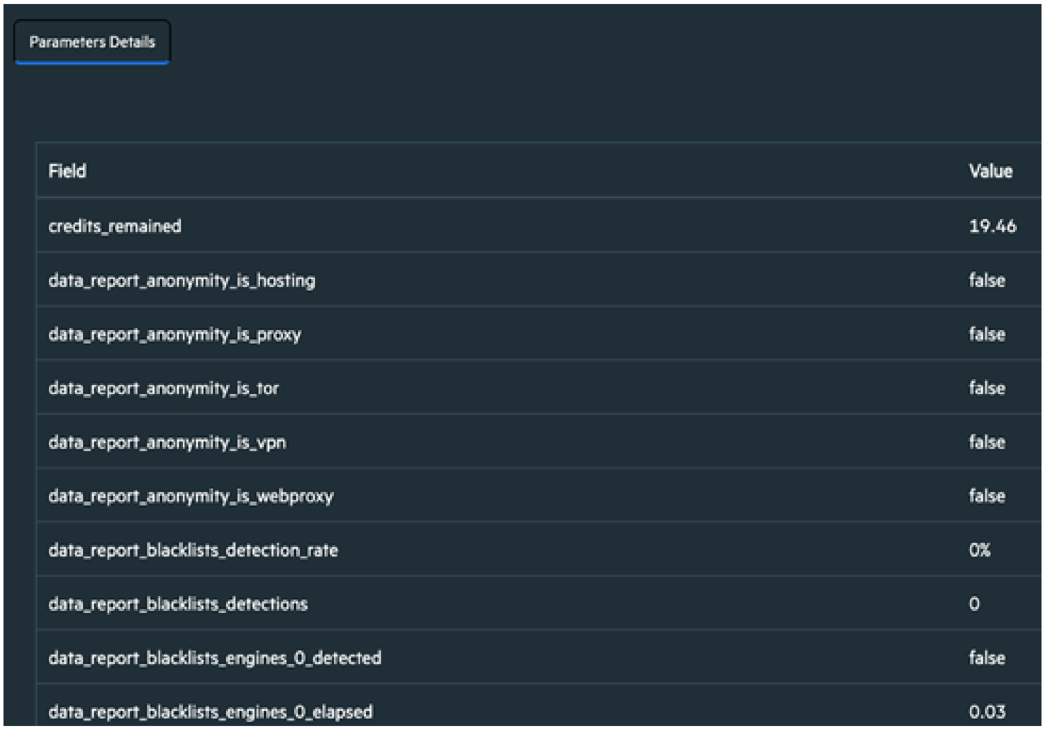
Capabilities

Input Parameter	Description	Type	Scope Restricted (Yes/No)	Required (Yes/No)
Integration	Name of the third party integration.	Integration	N/A	Yes
IP	IP address to retrieve reputation.	Network Address Host	Yes	Yes

Output:

Case Scope: N/A

Human Readable Output:



Field	Value
credits_remained	19.46
data_report_anonymity_is_hosting	false
data_report_anonymity_is_proxy	false
data_report_anonymity_is_tor	false
data_report_anonymity_is_vpn	false
data_report_anonymity_is_webproxy	false
data_report_blacklists_detection_rate	0%
data_report_blacklists_detections	0
data_report_blacklists_engines_0_detected	false
data_report_blacklists_engines_0_elapsed	0.03

2. **ThreatLog Domain Query**
   Enrichment capability to query a domain for ThreatLog.

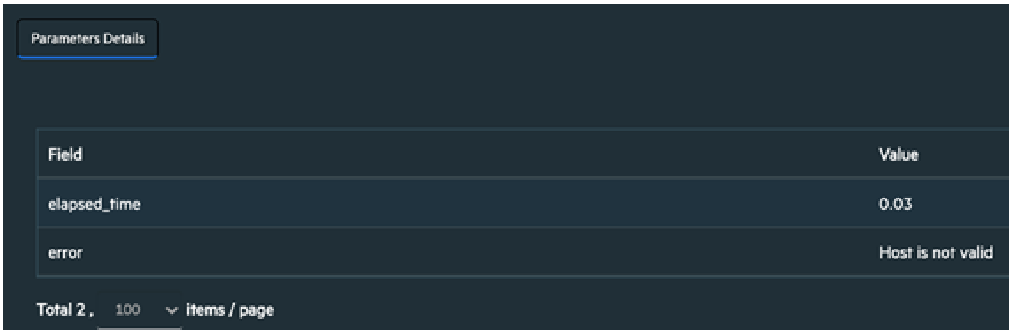
   Following table presents the **ThreatLog Domian Query** enrichment capability details:

Input Parameter	Description	Type	Scope Restricted (Yes/ No)	Required (Yes/ No)
Integration	Name of the third party integration.	Integration	N/A	Yes
Domain	Host to query	HOST	Yes	Yes

Output:

Case Scope: N/A

Human Readable Output



Field	Value
elapsed_time	0.03
error	Host is not valid

3. **Domain Reputation**
   Enrichment capability to retrieve Domain Reputation.

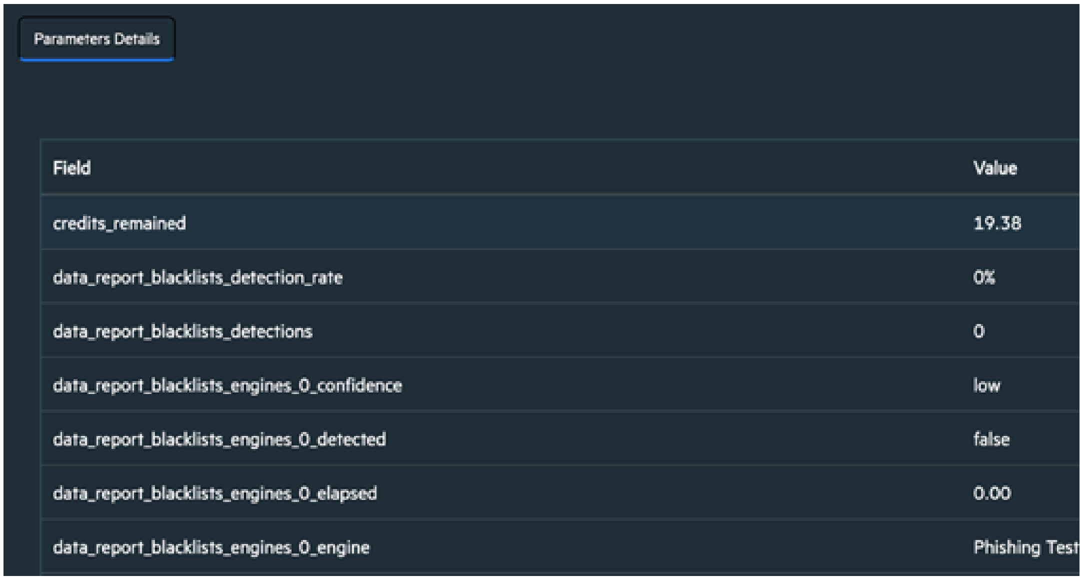
   Following table presents the **Domain Reputation** enrichment capability details:

Input Parameter	Description	Type	Scope Restricted (Yes/ No)	Required (Yes/ No)
Integration	Name of the third party integration.	Integration	N/A	Yes
Domain	Host to query	HOST	Yes	Yes

Output:

Case Scope: N/A

Human Readable Output:



Field	Value
credits_remained	19.38
data_report_blacklists_detection_rate	0%
data_report_blacklists_detections	0
data_report_blacklists_engines_0_confidence	low
data_report_blacklists_engines_0_detected	false
data_report_blacklists_engines_0_elapsed	0.00
data_report_blacklists_engines_0_engine	Phishing Test

4. **URL Screenshot**
   Enrichment capability to take a screenshot for given URL by APIVoid.

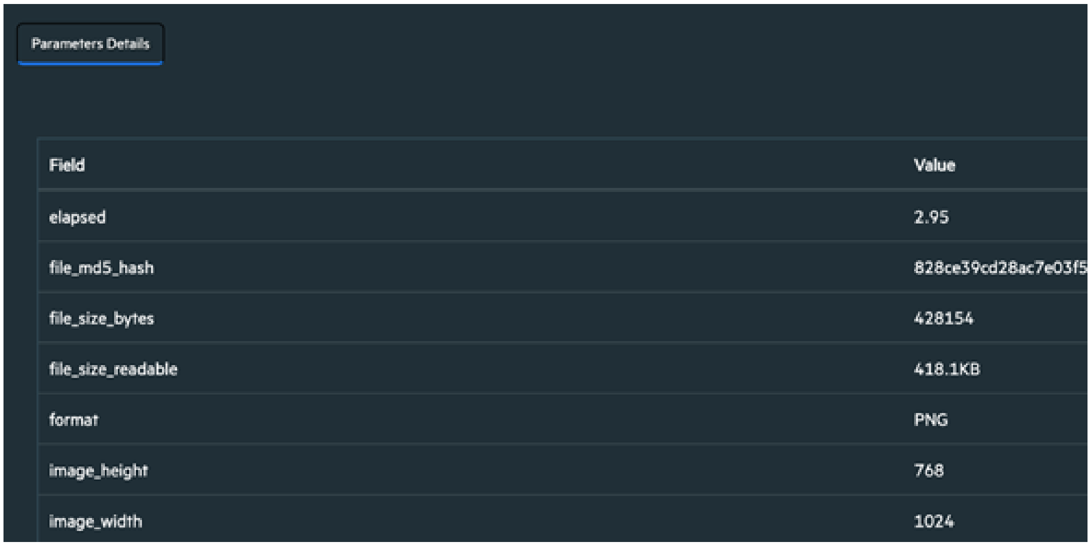
   Following table presents the **URL Screenshot** enrichment capability details:

Input Parameter	Description	Type	Scope Restricted (Yes/ No)	Required (Yes/ No)
Integration	Name of the third party integration.	Integration	N/A	Yes
URL	URL to take screenshot.	URL	Yes	Yes

Output:

Case Scope: N/A

Human Readable Output:



Field	Value
elapsed	2.95
file_md5_hash	828ce39cd28ac7e03f5
file_size_bytes	428154
file_size_readable	418.1KB
format	PNG
image_height	768
image_width	1024

5. **URL Reputation**
   Enrichment capability to retrieve URL reputation.

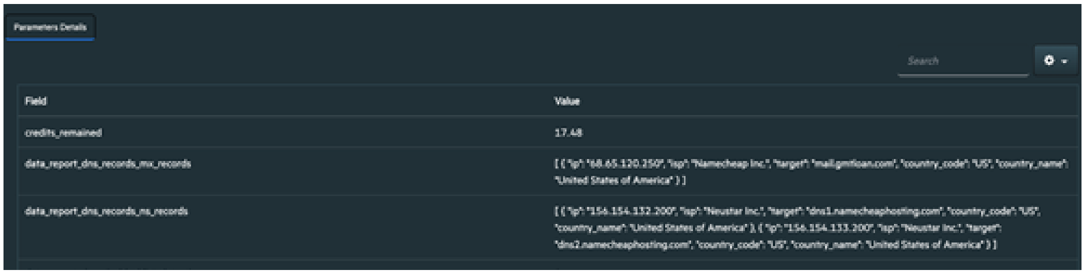
   Following table presents the **URL Reputation** enrichment capability details:

Input Parameter	Description	Type	Scope Restricted (Yes/ No)	Required (Yes/ No)
Integration	Name of the third party integration.	Integration	N/A	Yes
URL	URL to retrieve reputation.	URL	Yes	Yes

Output:

Case Scope: N/A

Human Readable Output:



Field	Value
credits_remained	17.48
data_report_dns_records_mx_records	[{ "ip": "68.65.120.250", "isp": "Namecheap Inc.", "target": "mail.gmfloan.com", "country_code": "US", "country_name": "United States of America" }]
data_report_dns_records_ns_records	[{ "ip": "156.154.132.200", "isp": "Neustar Inc.", "target": "dns1.namecheaphosting.com", "country_code": "US", "country_name": "United States of America" }, { "ip": "156.154.133.200", "isp": "Neustar Inc.", "target": "dns2.namecheaphosting.com", "country_code": "US", "country_name": "United States of America" }]

6. **Domain Age**
   Enrichment capability to retrieve domain age information.

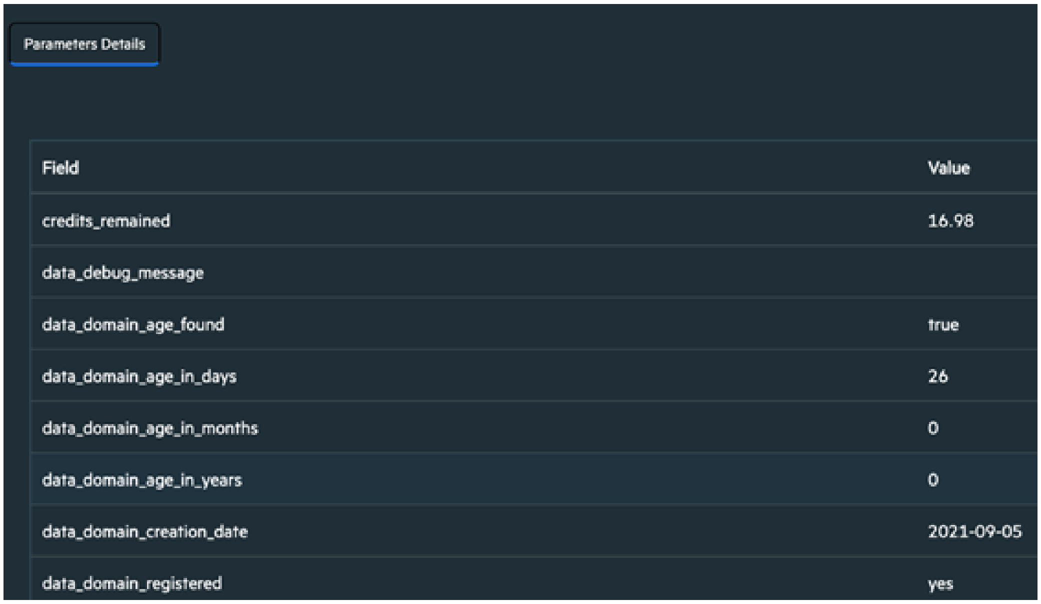
   Following table presents the **Domain Age** enrichment details:

Input Parameter	Description	Type	Scope Restricted (Yes/ No)	Required (Yes/ No)
Integration	Name of the third party integration.	Integration	N/A	Yes
Domain	Domain to retrieve age information.	HOST	Yes	Yes

Output:

Case Scope: N/A

Human Readable Output:



Field	Value
credits_remained	16.98
data_debug_message	
data_domain_age_found	true
data_domain_age_in_days	26
data_domain_age_in_months	0
data_domain_age_in_years	0
data_domain_creation_date	2021-09-05
data_domain_registered	yes

7. **Site Trustworthiness**
   Enrichment capability to retrieve site trustworthiness score / information

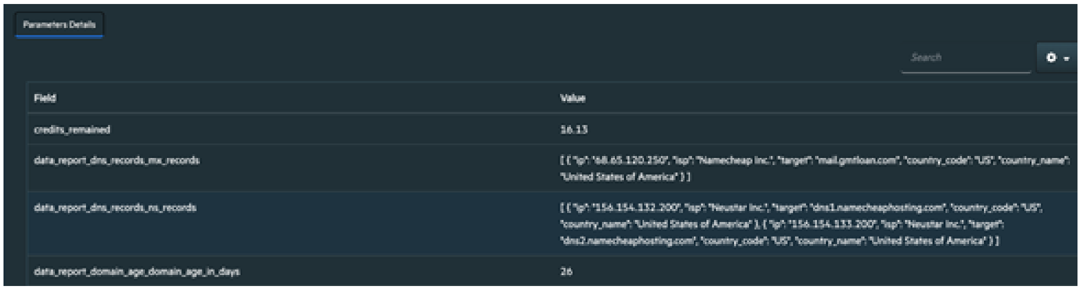
   Following table presents the **Site Trustworthiness** enrichment capability details:

Input Parameter	Description	Type	Scope Restricted (Yes/ No)	Required (Yes/ No)
Integration	Name of the third party integration.	Integration	N/A	Yes
Host	Host to retrieve site trustworthiness information.	HOST	Yes	Yes

Output:

Case Scope: N/A

Human Readable Output:



Field	Value
credits_remained	16.13
data_report_dns_records_mx_records	[{ "ip": "68.65.120.250", "isp": "Namecheap Inc.", "target": "mail.gmtloan.com", "country_code": "US", "country_name": "United States of America" }]
data_report_dns_records_ns_records	[{ "ip": "156.154.132.200", "isp": "Neustar Inc.", "target": "dns1.namecheaphosting.com", "country_code": "US", "country_name": "United States of America" }, { "ip": "156.154.133.200", "isp": "Neustar Inc.", "target": "dns2.namecheaphosting.com", "country_code": "US", "country_name": "United States of America" }]
data_report_domain_age_domain_age_in_days	26

8. **Parked Domain**
   Enrichment capability to retrieve information for parked domain.

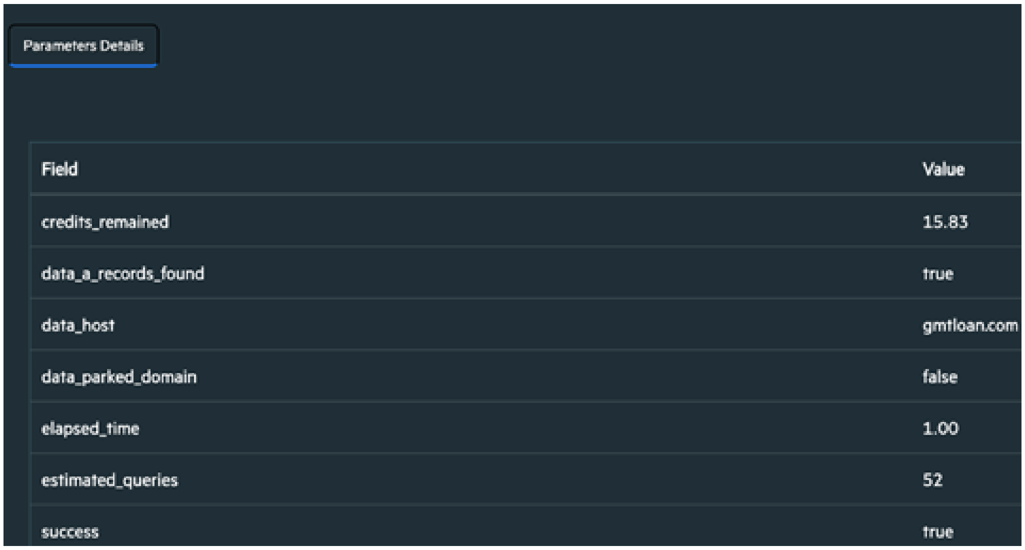
   Following table presents the **Parked Domain** enrichment capability details:

Input Parameter	Description	Type	Scope Restricted (Yes/ No)	Required (Yes/ No)
Integration	Name of the third party integration.	Integration	N/A	Yes
Domain	Domain to retrieve information.	HOST	Yes	Yes

Output:

Case Scope: N/A

Human Readable Output:



Field	Value
credits_remained	15.83
data_a_records_found	true
data_host	gmtloan.com
data_parked_domain	false
elapsed_time	1.00
estimated_queries	52
success	true

9. **URL Status**
   Enrichment capability to retrieve URL Status information.

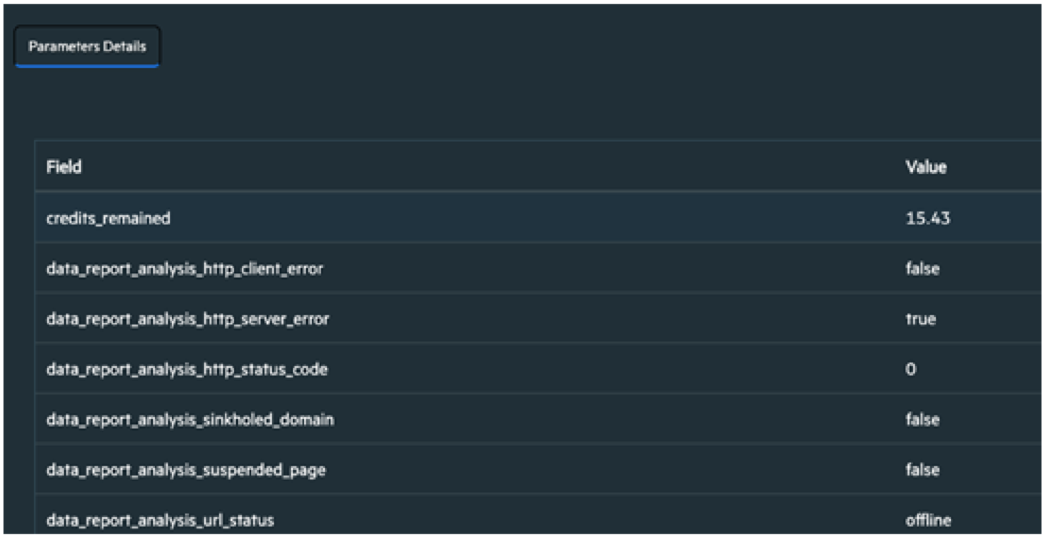
   Following table presents the **URL Status** enrichment capability details:

Input Parameter	Description	Type	Scope Restricted (Yes/ No)	Required (Yes/ No)
Integration	Name of the third party integration.	Integration	N/A	Yes
URL	URL to retrieve status.	URL	Yes	Yes

Output:

Case Scope: N/A

Human Readable Output:



Field	Value
credits_remained	15.43
data_report_analysis_http_client_error	false
data_report_analysis_http_server_error	true
data_report_analysis_http_status_code	0
data_report_analysis_sinkholed_domain	false
data_report_analysis_suspended_page	false
data_report_analysis_url_status	offline

10. **HTTP Tracker**
Enrichment capability for tracking http requests per URL.

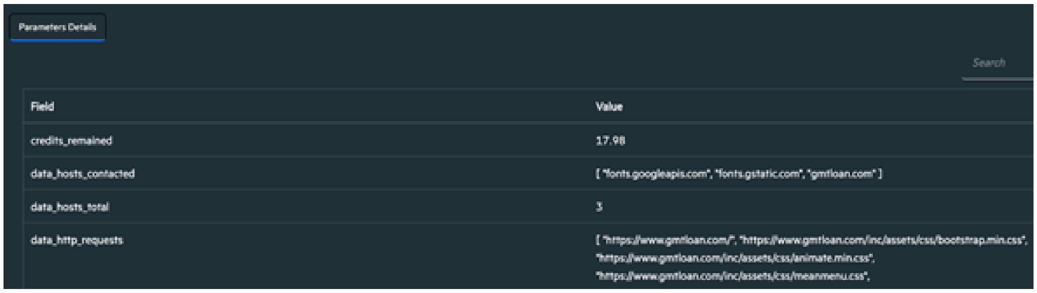
Following table presents the **HTTP Tracker** enrichment capability details:

Input Parameter	Description	Type	Scope Restricted (Yes/ No)	Required (Yes/ No)
Integration	Name of the third party integration.	Integration	N/A	Yes
URL	URL to track http requests.	HOST	Yes	Yes

Output:

Case Scope: N/A

Human Readable Output:



Field	Value
credits_remained	17.98
data_hosts_contacted	["fonts.googleapis.com", "fonts.gstatic.com", "gmtloan.com"]
data_hosts_total	3
data_http_requests	["https://www.gmtloan.com/", "https://www.gmtloan.com/inc/assets/css/bootstrap.min.css", "https://www.gmtloan.com/inc/assets/css/animate.min.css", "https://www.gmtloan.com/inc/assets/css/meanmenu.css",

11. **Email Verify**

    Enrichment capability that verifies given E-mail address.

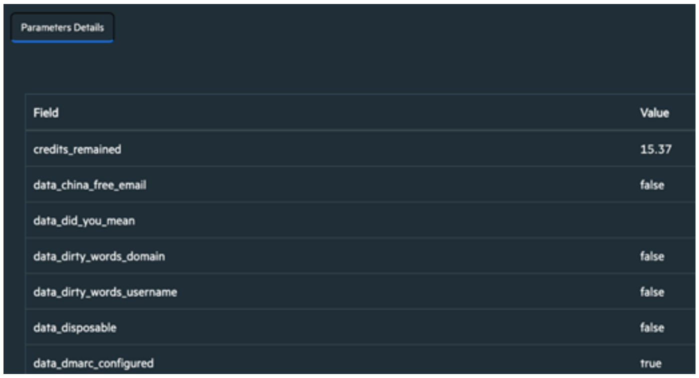
    Following table presents the **Email Verify** enrichment capability details:

Input Parameter	Description	Type	Scope Restricted (Yes/ No)	Required (Yes/ No)
Integration	Name of the third party integration.	Integration	N/A	Yes
Email Address	Email Address to verify.	EMAIL_ ADDRESS	Yes	Yes

Output:

Case Scope: N/A

Human Readable Output:



Field	Value
credits_remained	15.37
data_china_free_email	false
data_did_you_mean	
data_dirty_words_domain	false
data_dirty_words_username	false
data_disposable	false
data_dmarc_configured	true

12. **DNS Lookup**

    Enrichment capability to lookup for DNS per given host.

    Following table presents the **DNS Lookup** enrichment capability details:

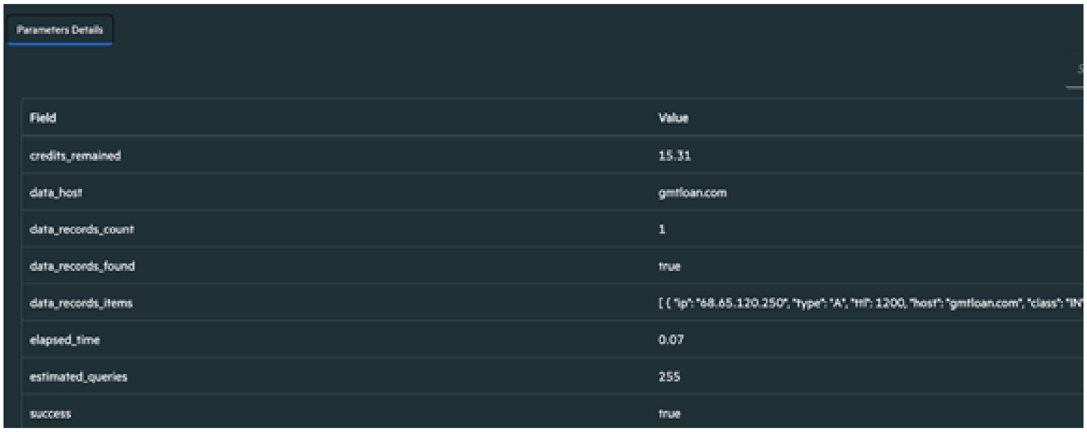
Input Parameter	Description	Type	Scope Restricted (Yes/ No)	Required (Yes/ No)
Integration	Name of the third party integration.	Integration	N/A	Yes
HOST	Host or domain to lookup.	HOST	Yes	Yes

Input Parameter	Description	Type	Scope Restricted (Yes/ No)	Required (Yes/ No)
Lookup Type	DNS Lookup type. Can be one of the following: "dns-a", "dns-aaaa", "dns-mx", "dns-ns", "dns-dmark", "dns-ptr", "dns-txt", "dns-any","dns-cname", "dns-soa", "dns-srv", "dns-caa" .	ENUM	No	Yes

Output:

Case Scope: N/A

Human Readable Output:



Field	Value
credits_remained	15.31
data_host	gmtloan.com
data_records_count	1
data_records_found	true
data_records_items	[{ "ip": "68.65.120.250", "type": "A", "ttl": 1200, "host": "gmtloan.com", "class": "IN
elapsed_time	0.07
estimated_queries	255
success	true

13. **DNS Propagation**

Enrichment capability to check for DNS of the given host.

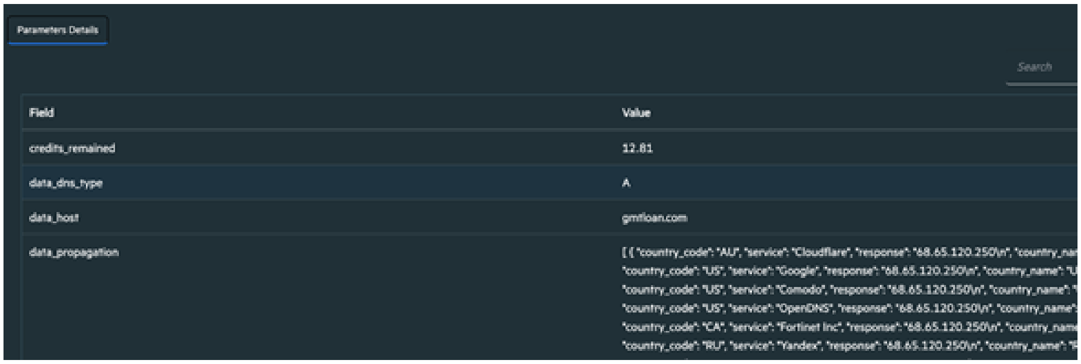
Following table presents the **DNS Propagation** enrichment capability details:

Input Parameter	Description	Type	Scope Restricted (Yes/ No)	Required (Yes/ No)
Integration	Name of the third party integration.	Integration	N/A	Yes
Email Address	Host or domain to lookup.	HOST	Yes	Yes
Lookup Type	DNS Lookup type. Can be one of the following: "A", "AAAA", "NS", "MX", "TXT", "SRV", "PTR", "SOA", "CNAME", "SPF", "CAA" .	ENUM	No	Yes

Output:

Case Scope: N/A

Human Readable Output:



Parameters Details

Search

Field	Value
credits_remained	12.81
data_dns_type	A
data_host	gmfloan.com
data_propagation	[{ "country_code": "AU", "service": "Cloudflare", "response": "68.65.120.250\n", "country_nar "country_code": "US", "service": "Google", "response": "68.65.120.250\n", "country_name": "U "country_code": "US", "service": "Comodo", "response": "68.65.120.250\n", "country_name": " "country_code": "US", "service": "OpenDNS", "response": "68.65.120.250\n", "country_name": "country_code": "CA", "service": "Fortinet Inc", "response": "68.65.120.250\n", "country_name "country_code": "RU", "service": "Yandex", "response": "68.65.120.250\n", "country_name": "F

14. **SSL Info**

Enrichment capability to retrieve SSL information.

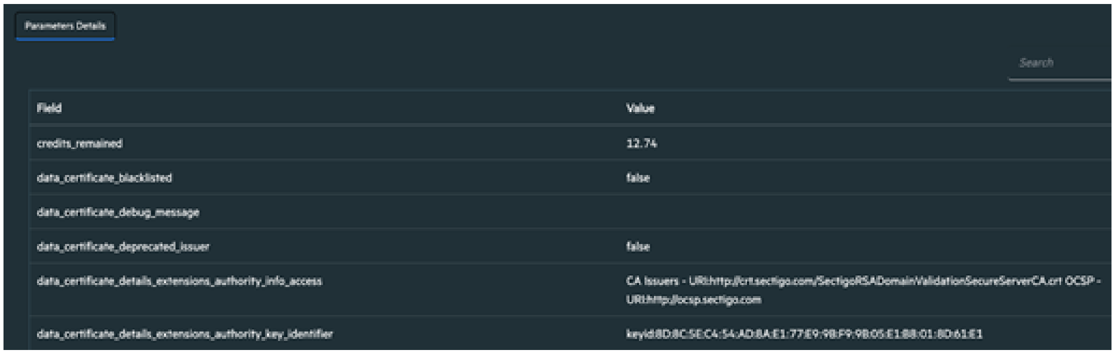
Following table presents the **SSL Info** enrichment capability details:

Input Parameter	Description	Type	Scope Restricted (Yes/ No)	Required (Yes/ No)
Integration	Name of the third party integration.	Integration	N/A	Yes
HOST	Host or domain to lookup.	HOST	Yes	Yes

Output:

Case Scope: N/A

Human Readable Output:



Parameters Details

Search

Field	Value
credits_remained	12.74
data_certificate_blacklisted	false
data_certificate_debug_message	
data_certificate_deprecated_issuer	false
data_certificate_details_extensions_authority_info_access	CA Issuers - URI:http://crt.sectigo.com/SectigoRSADomainValidationSecureServerCA.crt OCSP - URI:http://ocsp.sectigo.com
data_certificate_details_extensions_authority_key_identifier	keyid:8D:8C:5E:C4:54:AD:8A:E1:77:E9:9B:F9:9B:05:E1:88:01:8D:61:E1

15. **URL to HTML**

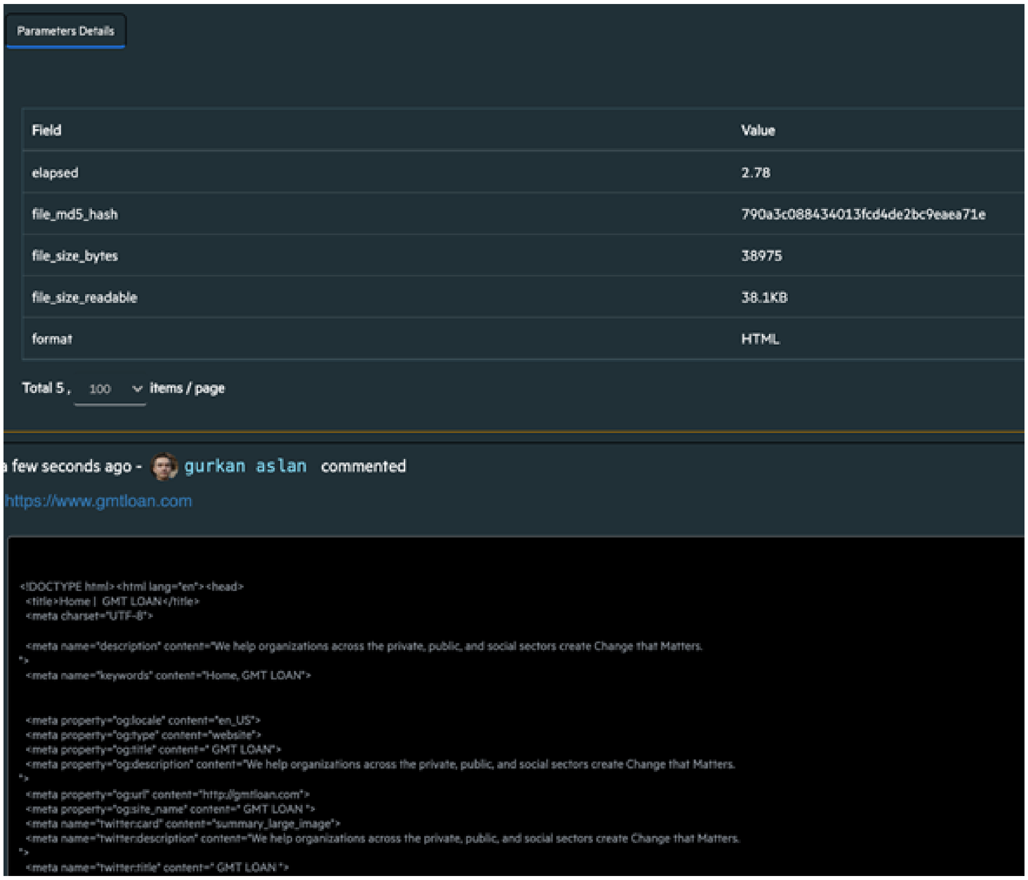
Following table presents the **URL to HTML** enrichment capability details:

Input Parameter	Description	Type	Scope Restricted (Yes/ No)	Required (Yes/ No)
Integration	Name of the third party integration.	Integration	N/A	Yes
URL	URL to retrieve HTML.	URL	Yes	Yes

Output:

Case Scope: N/A

Human Readable Output:



Field	Value
elapsed	2.78
file_md5_hash	790a3c088434013fcd4de2bc9eaea71e
file_size_bytes	38975
file_size_readable	38.1KB
format	HTML

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```
<!DOCTYPE html><html lang="en"><head>
  <title>Home |  GMT LOAN</title>
  <meta charset="UTF-8">

  <meta name="description" content="We help organizations across the private, public, and social sectors create Change that Matters.
">
  <meta name="keywords" content="Home, GMT LOAN">


  <meta property="og:locale" content="en_US">
  <meta property="og:type" content="website">
  <meta property="og:title" content=" GMT LOAN">
  <meta property="og:description" content="We help organizations across the private, public, and social sectors create Change that Matters.
">
  <meta property="og:url" content="http://gmtloan.com">
  <meta property="og:site_name" content=" GMT LOAN ">
  <meta name="twitter:card" content="summary_large_image">
  <meta name="twitter:description" content="We help organizations across the private, public, and social sectors create Change that Matters.
">
  <meta name="twitter:title" content=" GMT LOAN ">
```

16. **URL to PDF**

Enrichment capability to retrieve PDF file from URL.

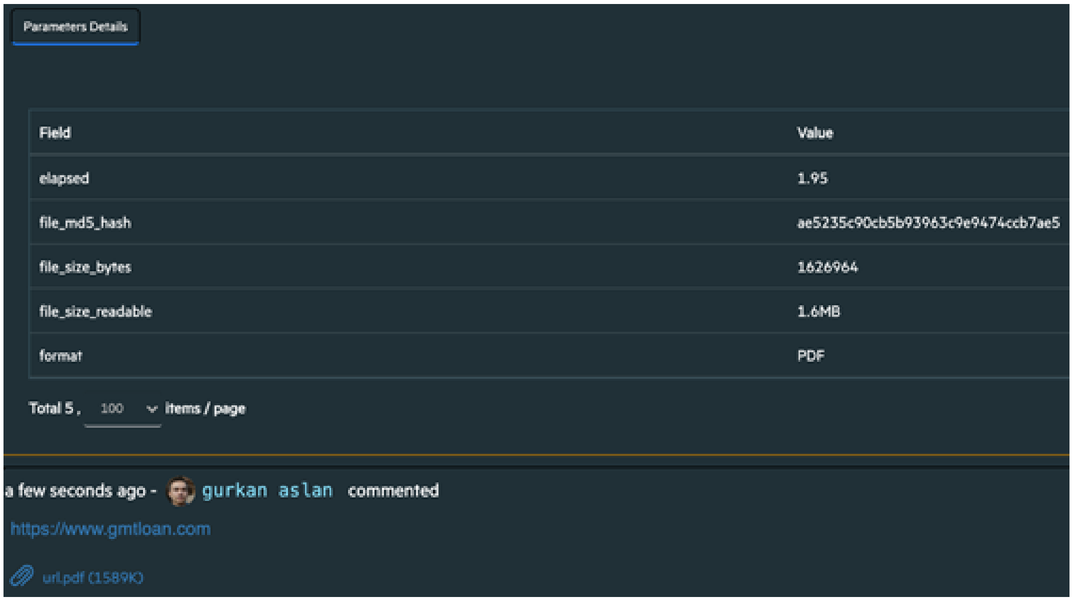
Following table presents the **URL to PDF** enrichment capability details:

Input Parameter	Description	Type	Scope Restricted (Yes/ No)	Required (Yes/ No)
Integration	Name of the third party integration.	Integration	N/A	Yes
URL	URL to retrieve PDF.	URL	Yes	Yes

Output:

Case Scope: N/A

Human Readable Output:



Field	Value
elapsed	1.95
file_md5_hash	ae5235c90cb5b93963c9e9474ccb7ae5
file_size_bytes	1626964
file_size_readable	1.6MB
format	PDF

Total 5 , 100 items / page

a few seconds ago - gurkan aslan commented

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url.pdf (1589K)

Integration Guide for Anomali ThreatStream

Integration Overview

Anomali ThreatStream is a Threat Intelligence Platform that enables businesses to integrate security products and leverage threat data to defend against cyber threats.

Integration Capabilities

ArcSight SOAR has the following integration capabilities with Anomali ThreatStream:

- Domain Reputation
- Email Reputation
- File Reputation
- Get Incident Details
- Get Intelligence
- Get Investigation Details
- IP Reputation
- List Incidents
- List Investigations
- Report Indicator
- Create Investigation
- Close Investigation
- Update Investigation

Use Case: Investigating Phishing Campaigns

SOAR, when integrated with Anomali ThreatStream, helps campaigns that investigate and mitigate phishing. When a phishing report email comes from a user, SOAR extracts the indicators such as IP address, URLs and attachments in the message and creates an incident on the Incident Management Service Desk. SOAR then checks with Anomali ThreatStream, to know if this is a known attack and whether these indicators were previously analyzed.

This investigation can be either performed automatically within a playbook or manually by an analyst.

Configuration

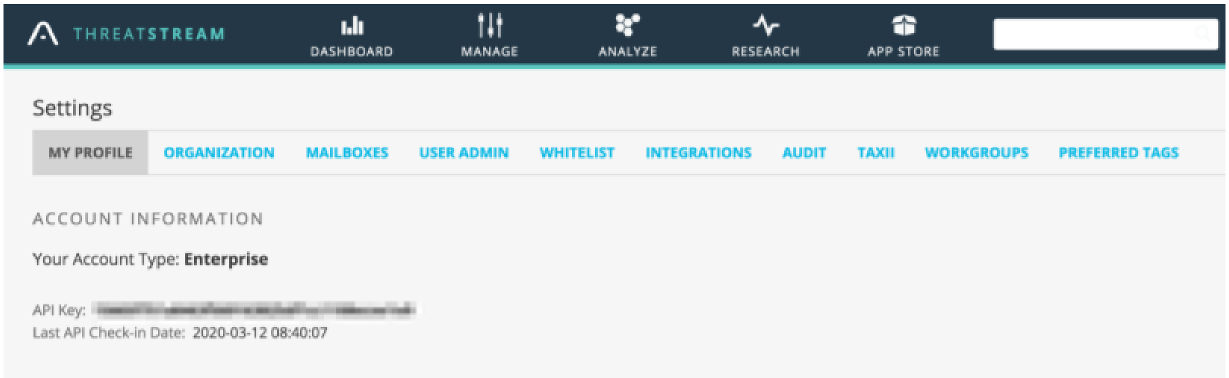
Prerequisites

- SOAR connects to Anomali ThreatStream API via HTTPS. Access tohttps://api.threatstream.com/**(443/tcp port)** is required.
- An API key is required for SOAR to connect to Anomali ThreatStream Service.

Configuring Anomali ThreatStream

1. Log in to https://ui.threatstream.com/.
2. Navigate to **Settings** > **My Profile** to get the API Key.

Note: This key is required by SOAR to access the platform for queries.



Settings

ACCOUNT INFORMATION

Your Account Type: **Enterprise**

API Key: [redacted]
Last API Check-in Date: 2020-03-12 08:40:07

Configuring SOAR

1. **Configuration** > **Credentials** > **Create Credential.**
2. Fill the **Credential Editor** form with the following details:

   a. **Internal Credential:**

Parameter	Value
Type	Internal credential
Name	Display name of credential set (For example, Anomali ThreatStream Credentials)
Username	Your username on Anomali ThreatStream platform
Password	Empty
Private Key	API key you have obtained from Anamoli ThreatStream Platform

b. **Credential Store:**

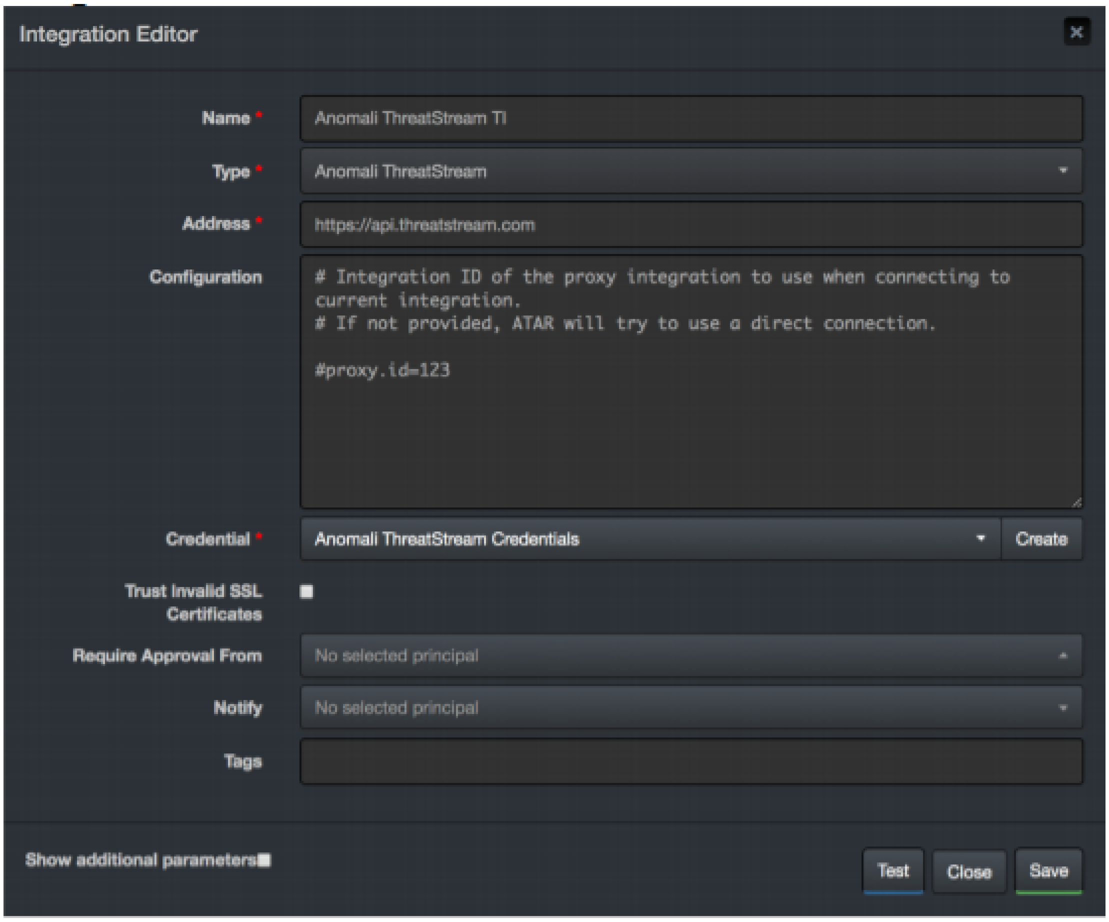
Parameter	Value
Type	External credential
Name	Name of the credential with full path of the safe on store

3. **Configuration** > **Integrations** > **Create Integration**.
4. Fill the configuration form with the following parameter values:

Parameter	Value
Name	Display name of Anomali ThreatStream integration on SOAR
Type	Anomali ThreatStream
Address	Address of the integration (https://api.threatstream.com).

Configuration	You need to specify the following configuration parameters:
	`# Integration ID of the proxy integration to use when connecting to`
	`# current integration.`
	`# If not provided, ATAR will try to use a direct connection.`
	`#proxy.id=123`

Credential	Name of the credential set you have just created on step 2. (For example, Anomali ThreatStream Credentials)
Trust Invalid SSL Certificates	No selection required
Require Approval From	Select user(s) from list to ask her/his approval before executing actions on this integration.
Notify	Select user(s) from the list to notify when SOAR performs an action on this integration.



Integration Editor

Name * Anomali ThreatStream TI

Type * Anomali ThreatStream

Address * https://api.threatstream.com

Configuration

```
# Integration ID of the proxy integration to use when connecting to
current integration.
# If not provided, ATAR will try to use a direct connection.

#proxy.id=123
```

Credential * Anomali ThreatStream Credentials

Trust Invalid SSL Certificates □

Require Approval From: No selected principal

Notify: No selected principal

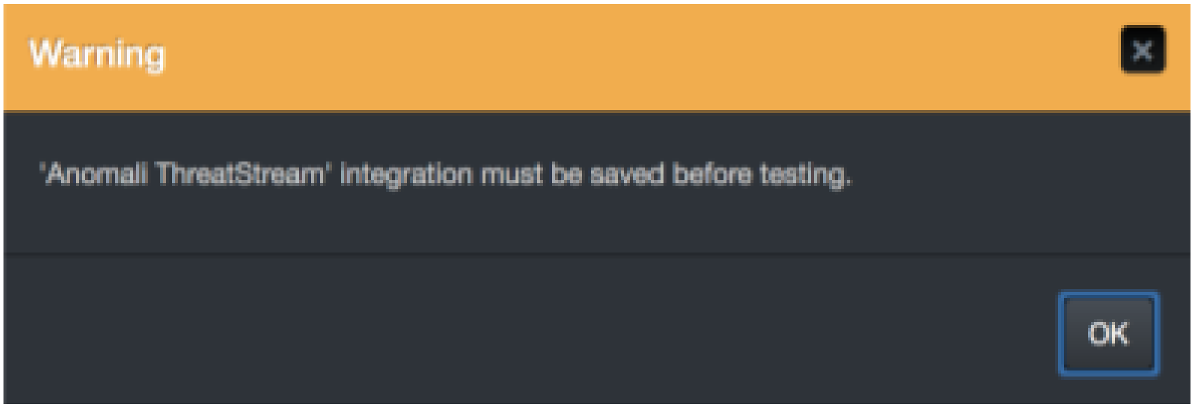
Tags

Show additional parameters□

5. Click **Save** to complete integration.
6. Click **Test** to test the integration.

Additoinal Notes

- Anomali ThreatStream integration on SOAR is an Advanced Script and content of the default script is accessible under **Configuration** > **Customization Library**.
- While defining the integration for the first time, you might encounter the following warning message, which is the expected behavior for this type of integration.



'Anomali ThreatStream' integration must be saved before testing.

Integration Guide for Arbor Networks APS

Integration Overview

Arbor Networks APS is an in-line Distributed Denial of Service(DDoS) protection solution.

Integration Capabilities

ArcSight has the following integration capabilities with Arbor Networks APS:

- Block IP
- Block access to IP

Use Case: Blocking malicious IP on peripheral

ArcSight SOAR integrates with Arbor Networks APS to block malicious IP addresses detected while responding to an incident. SOAR can block both the incoming and outgoing traffic either automatically within a playbook or manually by an analyst.

Configuration

Prerequisites

- SOAR connects to Arbor Networks APS' API via HTTPS. By default, the API interface works on **443/tcp port**. So access permission to this port is required.
- An API access token needs to be created for SOAR to connect to Arbor Networks APS.

Configuring Arbor Networks APS

1. Log in to Arbor Networks APS device.
2. Add a new API token.

```
admin@arbos: /# serv aaa local apitoken generate admin ATAR_INTEGRATION
  Added token: jwP9JcmZYz4I9QH0LpkDA_n5nj_DNHifc6Iwsq0P
```

Note: SOAR uses the generated token as the credential password and user name as admin.

Configuring SOAR

1. Click **Configuration** > **Credentials** > **Create Credential**.
2. Fill the **Credential Editor form** with the following parameter values:

   a. **Internal Credential:**

Parameter	Value
Type	Internal credential
Name	Display name of the credential set (For example, Arbor APS Credential)
Username	admin
Password	API Token you have created for SOAR on Arbor Networks APS device
Private Key	Empty

   b. **Credential Store:**

Parameter	Value
Type	Extrenal credential
Name	Name of the credential with pull path of the safe on store

3. **Configuration** > **Integrations** > **Create Integration**.
4. Fill the configuration form with the following parameter values:

Parameter	Value
Name	Display name of Arbor Networks APS integration on SOAR
Type	Arbor Networks APS
Address	Address of the integration (the format should be http (s]://1.1.1.1:1234 or http[s]://abc.example.com:1234)
Password	API Token you have created for SOAR on Arbor Networks APS device
Credential	Name of the credential set you have just created on step 2. (For example, Arbor APS Credential)
Trust Invalid SSL Certificates	Select this if device’s certificate is self-signed or not recognized by browsers
Require Approval From	Select user(s) from list to ask her/his approval before executing actions on this integration
Notify	Select user(s) from the list to notify when ATAR performs an action on this ntegration

5. Click **Test**.The following pop up will be displayed if your credential and address are valid.
6. Click **Save** to complete integration.

Integration Guide for AWS Network Firewall

Integration Overview

AWS Network Firewall is a managed service that makes it easy to deploy essential network protections for all of your Amazon Virtual Private Clouds (VPCs). AWS Network Firewall’s flexible rules engine allows you to define firewall rules that provide fine-grained control over network traffic, such as blocking outbound Server Message Block (SMB) requests to prevent the spread of malicious activity. AWS Network Firewall’s stateful firewall can incorporate context from traffic flows, like tracking connections and protocol identification, to enforce policies such as preventing your VPCs from accessing domains using an unauthorized protocol.

Integration Capabilities

ArcSight SOAR has the following integration capabilities with AWS Network Firewall:

- Create Stateful Rule Group
- Create Stateless Rule Group
- Add Stateful Rule
- Add Stateless Rule
- Delete Rule Group
- Delete Stateful Rule
- Delete Stateless Rule
- List Firewalls
- List Rule Groups
- List Firewall Policies
- Get Firewall Policies
- Get Firewall Rule Group

Prerequisites

- ArcSight SOAR connects to AWS Network Firewall API using HTTPS. Access to https://aws.amazon.com/network-firewall is required.

- **Access key ID** and **Secret Access key** are required for ArcSight SOAR to connect to AWS Network Firewall.

Configuration

Configuring AWS Network Firewall

1. Log in to Amazon AWS.
2. Navigate to **My Security Credentials** and **select Identity Access Management (IAM)** service.
3. Click **Access Management** > **Users** > **Add User** to add an IAM user.
4. Select **Access Type** as **Programmatic Access**.
5. You can skip the next steps until **Access Key** and **Secret Access Key** are displayed.

   > Download the credentials as the Secret Access Key is not displayed post this step.

6. Add the following action permissions if you require admin permissions for this service or contact your AWS cloud support:

```
[
"network-firewall:ListTagsForResource",
"network-firewall:DeleteRuleGroup",
"network-firewall:DescribeLoggingConfiguration",
"network-firewall:CreateRuleGroup",
"network-firewall:DescribeRuleGroupMetadata",
"network-firewall:DescribeFirewall",
"network-firewall:UpdateRuleGroup",
"network-firewall:ListRuleGroups",
"network-firewall:DescribeRuleGroup",
"network-firewall:DescribeFirewallPolicy",
"network-firewall:ListFirewalls",
"network-firewall:TagResource",
"network-firewall:DescribeResourcePolicy",
"network-firewall:DeleteFirewall",
"network-firewall:ListFirewallPolicies"
]
```

Configuring SOAR

1. Click **Configuration** > **Credential** > **Create Credential**.
2. Specify the following parameter values in the **Credential Editor:**

Type	Name	Username	Password	Private Key
Internal Credential	Display name of credential set (for example, Amazon Network Firewall Credentials).	Empty	Access Key	Secret Key

3. Click **Configuration** > **Integrations** > **Create Integration**.
4. Specify the following parameter values in the **Configuration Form:**

<table>
<tr><th>Parameter</th><th>Value</th></tr>
<tr><td>Name</td><td>Display name of the integration</td></tr>
<tr><td>Type</td><td>Amazon Network Firewall</td></tr>
<tr><td>Address</td><td>Address of the integration should follow the format https://networkfirewall.amazonaws.com:443
For specific region,the integration should follow the format https:// network-firewall. region.amazonaws.com</td></tr>
<tr><td>Configuration</td><td>Specify the following configuration parameter values:
<table>
<tr><td>Region</td><td>Region is required for retrieving the correct endpoint for current integration.
For example: ap-southeast-1</td></tr>
<tr><td>proxy.id</td><td>Integration ID of the proxy to use current intergration.
For example:
Proxy.id=12345</td></tr>
</table></td></tr>
<tr><td>Credential</td><td>Credential that has been defined for this integration under the Credentials menu</td></tr>
<tr><td>Trust Invalid SSL Certificates</td><td>Select this option if the firewall’s web certificate is self-signed or if it is not recognized by browsers</td></tr>
<tr><td>Require Approval From</td><td>Select user(s) from list who can provide approval before executing actions on this integration</td></tr>
<tr><td>Notify</td><td>Select user(s) from the list who can provide approval when SOAR performs an action on this integration</td></tr>
</table>

5. Click **Save**.

6. Navigate to **Configuration > Customization Library** and edit **Amazon Network Firewall Advanced Action Script Default Script Template**.
7. Select the integration that you have created in step 4 from the **Integrations** drop-down menu and click **Save**.
8. Click **Test**, an **Integration Successful** message is displayed if the credential and address are valid.

Capabilities

1. **Create Stateful Rule Group**

   Action capability for creating a Stateful Rule Group for blocking IP address.

   • Rollback: No

   • Duplicate Control: No

   The following table presents the **Create Stateful Rule Group** action capabilities details:

Input Parameter	Description	Type	Scope Restricted (Yes/No)	Required (Yes/No)
Integration	Name of the third party integration	Integration	N/A	Yes
Rollback Mode	Time to rollback this action. Default is no-rollback.	N/A	N/A	No
Rule Group Name	Name of the Rule Group	String	No	No
Action	Action to be taken (PASS,DROP,ALERT)	String	No	Yes
Header Protocol	Header Protocol (TCP,HTTP,ICMP and so on)	String	No	Yes
Capacity	Capacity	Integer	No	Yes
Header Source	IP Address	String	No	Yes
Header Source Port	Source Port	String	No	Yes
Header Destination	IP Address	String	No	Yes
Header Destination Port	Destination Port	String	No	Yes
Direction	Direction (FORWARD,ANY)	String	No	Yes
Rule Order	Rule Order to be executed	String	No	Yes

   Output:

   N/A

   Human Readable Output

N/A

2. **Create Stateless Rule Group**

   Action capability for creating a Stateless Rule Group for blocking IP address.

   • Rollback: No

   • Duplicate Control: No

   The following table presents the **Create Stateless Rule Group** action capabilities details:

Input Parameter	Description	Type	Scope Resticted (Yes/No)	Required (Yes/No)
Integration	Name of the third party integration	Integration	N/A	Yes
Roll Back mode	Time to rollback this action. Default is no-rollback	N/A	N/A	No
Rule Group Name	Rule Group Name	String	No	Yes
Rule Group Action	Action to be taken (aws:PASS,aws:DROP)	String	No	Yes
Source Address Definition	IP address,range of IP address	String	No	Yes
Destination Address Definition	IP address,range of IP address	String	No	Yes
Header Destination Port	Destination Port	String	No	Yes
Priority	Priority for execution	Integer	No	Yes
Capacity	Capacity	Integer	No	Yes

   Output:

   Case Scope

   N/A

   Human Readable Output

   N/A

3. **Add Stateful Rule**

   Action capability for adding a Stateful rule to an existing Rule Group for blocking IP address.

   • Rollback: Yes

   • Duplicate Control: Yes

   The following table presents the **Add Stateful Rule** action capabilities details:

Input Parameter	Description	Type	Scope Restricted (Yes/No)	Required (Yes/No)
Integraion	Name of the third party integration	Integration	N/A	Yes
Rollback Mode	Time to rollback this action. Default is no-rollback	String	N/A	No
Rule Group Name	Rule Group Name	String	No	Yes
Rule Group Action Name	Action to be taken (PASS,DROP,ALERT)	String	No	Yes
Header Protocol	Hearder Protocol(TCP, HTTP, ICMP and so on)	String	No	Yes
Header Source	IP Address	String	No	Yes
Header Source Port	Source Port	String	No	Yes
Header Destination	IP Address	String	No	Yes
Header Destination Port	Destination Port	String	No	Yes
Direction	Direction(FORWARD,ANY)	String	No	Yes
Rule Order	Rule Order to be executed	String	No	Yes

Output:

Case Scope

N/A

Human Readable Output

N/A

4. **Add Stateless Rule**

Action capability for adding a Stateless Rule to an existing Rule Group for blocking IP address.

• Rollback: Yes

• Duplicate Control: Yes

The following table presents the **Add Stateless Rule** action capabilities details:

Input Parameter	Description	Type	Scope Restricted (Yes/No)	Required (Yes/No)
Integration	Name of the third party integration	Integration	N/A	Yes
Rollback Mode	Time to rollback this action. Default is no-rollback	String	N/A	No
Rule Group Name	Rule Group Name	String	No	Yes
Action	Action to be taken (aws:PASS,aws:DROP)	String	No	Yes
Source Address Definition	IP Addess, Range of IP Address	String	No	Yes
Destination Address Definition	IP Addess, Range of IP Address	String	No	Yes
Priority	Priority for execution	String	No	Yes

Output:

Case Scope

N/A

Human Readable Output

N/A

5. **Delete Rule Group**

Action capability for deleting Rule Group from existing Rule Group.

• Rollback: No

• Duplicate Control: Yes

The following table presents the **Delete Rule Group** action capabilities details:

Input Parameter	Description	Type	Scope Restricted (Yes/No)	Required (Yes/No)
Integration	Name of the third party integration	Integration	N/A	Yes
Rollback Mode	Time to rollback this action. Default is norollback.	N/A	N/A	No
Rule Group Name	Rule Group Name	String	No	Yes
Type	Type (STATEFUL or STATELESS)	String	No	Yes

Output:

Case Scope

N/A

Human Readable Output

N/A

6. **Delete Stateful Rule**
   Action capability for deleting a Stateful Rule from an existing Rule Group .

   • Rollback: No

   • Duplicate Control: No

   The following table presents the **Delete Stateful Group** action capabilities details:

Input Parameter	**Description**	**Type**	**Scope Restricted (Yes/No)**	**Required (Yes/No)**
Integration	Name of the third party integration	Integration	N/A	Yes
Rollback Mode	Time to rollback this action. Default is norollback.	N/A	N/A	No
Rule Group Name	Rule Group Name	String	No	Yes
Sid	Sid	Integer	No	Yes

   Output:

   Case Scope

   N/A

   Human Readable Output

   N/A

7. **Delete Stateless Rule**
   Action capability for deleting a Stateless Rule from an existing Rule Group.

   • Rollback: No

   • Duplicate Control: No

   The following table presents the **Delete Stateless Group** action capabilities details:

Input Parameter	**Description**	**Type**	**Scope Restricted (Yes/No)**	**Required (Yes/No)**
Integration	Name of the third party integration	Integration	N/A	Yes
Rollback Mode	Time to rollback this action. Default is norollback.	N/A	N/A	No
Rule Group Name	Rule Group Name	String	No	Yes
Priority	Priority for execution	Integer	No	Yes

   Output:

   Case Scope

N/A

Human Readable Output

N/A

8. **List Firewalls**
   Enrichment capability for retrieving a list of firewall for the specified VPC identifiers.

Input Parameter	Description	Type	Scope Restricted (Yes/No)	Required (Yes/No)
Integration	Name of the third party integration	Integration	N/A	Yes
Max result	Max result	Integration	N/A	Yes
VPC IDs	VPC identifiers	String	N/A	No

Output:

Case Scope

N/A

Human Readable Output

9. **List Rule Groups**
   Enrichment capability for retrieving a list of rule groups.

Input Parameter	Description	Type	Scope Restricted (Yes/No)	Required (Yes/No)
Integration	Name of the third party integration	Integration	N/A	Yes
Max result	Max result	Integration	N/A	Yes
Scope	Scope(ACCOUNT,MANAGED)	String	N/A	Yes

Output:

Case Scope

N/A

Human Readable Output

N/A

10. **List Firewall Policies**
    Enrichment capability for retrieving a list of firewall policies.

Input Parameter	Description	Type	Scope Restricted (Yes/No)	Required (Yes/No)
Integration	Name of the third party integration	Integration	N/A	Yes
Max result	Max result	Integration	N/A	Yes

Output:

Case Scope

N/A

Human Readable Output

N/A

11. **Get Firewall Policy**
Enrichment capability for retrieving the details of a firewall policy.

Input Parameter	Description	Type	Scope Restricted (Yes/No)	Required (Yes/No)
Integration	Name of the third party integration	Integration	N/A	Yes
Firewall Policy Name	Firewall Policy Name	String	N/A	Yes

Output:

Case Scope

N/A

Human Readable Output

N/A

12. **Get Firewall Rule Group**
Enrichment capability for retrieving the details of a firewall rule group.

Input Parameter	Description	Type	Scope Restricted (Yes/No)	Required (Yes/No)
Integration	Name of the third party integration	Integeration	N/A	Yes
Max Results	Max Results	Integer	N/A	Yes
Scope	Scope(ACCOUNT,MANAGED)	String	N/A	Yes

Output:

Case Scope

N/A

Human Readable Output

N/A

Integration Guide for Azure Network Security Groups

Integration Overview

Azure Network Security Groups is a service that is used to filter network traffic to and from Azure resources in an Azure virtual networks. A network security group contains security rules that allow or deny inbound network traffic to, or outbound network traffic from, several types of Azure resources. For each rule, you can specify source and destination, port, and protocol.

Integration Capabilities

ArcSight SOAR has the following integration capabilities with Azure Network Security Groups:

- Get Network Security Group
- List All Network Security Group
- List Network Security Group in Resource Group
- Create Network Security Group
- Create Network Security Group Rule
- Add Network Security Group Tag
- Remove Network Security Group Tag

Prerequisites

ArcSight SOAR connects to Microsoft Azure Network Security API using HTTPS. Access to Azure Portal (https://login.live.com) is required.

Configuration

Configuring Microsoft Azure Network Security

1. Log in to https://portal.azure.com and Navigate to **Azure Active Directory** service.
2. Click **App Registration** > **New Registration**. Complete the ArcSight SOAR application registration by specifying the following parameter values in the Register an application form:

Name	Supported Account types	Redirected URL
ArcSight SOAR	Accounts in this organizational directory only (Default Directory for single tenant only)	https://localhost/soar

3. Select your application and Click **Add a certificate or secret** > **New Client Secret**. Add a description and specify the expiry period as 24 months.

> Note down the **Secret Key** along with **Client ID** as you may need it later.

   a. Click **API Permissions** > **Add a Permission** and select **Azure Service Management** API.

   b. Add the **user_impersonation** as a permission.

4. Navigate to **Home** > **Subscriptions** and note down the **subscription ID**.
5. Navigate to **Home** > **Resource groups** > **IAM** > **Add Role** to add role level permissions.
6. Grant following permissions to the users:

Permissions	Description
Microsoft.Network/networkSecurityGroups/read	Gets a network security group definitionAction
Microsoft.Network/networkSecurityGroups/write	Creates a network security group or updates an existing network security groupAction

Permissions	Description
Microsoft.Network/networkSecurityGroups/securityRules/read	Gets a security rule definition Action
Microsoft.Network/networkSecurityGroups/securityRules/write	Creates a security rule or updates an existing security rule Action

Configuring SOAR

1. Click **Configuration** > **Credential** > **Create Credential.**
2. Specify the following parameter values in the **Credential Editor**:

Type	Name	Password	Private Key
Internal Credential	Display name of credential set (for example, Microsoft Azure Network Security).	Client ID of the user that you have created for SOAR on Microsoft Azure Network Security.	Client secret key of the users that you have created for SOAR on Microsoft Azure Network Security.

3. Click **Configuration** > **Integrations** > **Create Integration**
4. Specify the following parameter values in the **Configuration Form**:

Parameter	Value
Name	Display name of the integration
Type	Microsoft Azure Network Security
Address	Address of the integration (the format should be https://management.azure.com)

<table>
<tr><th>Parameter</th><th>Value</th></tr>
<tr><td>Configuration</td><td>Specify the following configuration parameters:
<table>
<tr><td>tenant.id</td><td>Tenant Id on Microsoft Azure. For example: tenant.id = 57faef05-5f3f-4147-a5e1- 5ecd93902c3a</td></tr>
<tr><td>subscription</td><td>Subscription ID on Microsoft Azure. For example, subscription = 7ee609fd-4deb4156-826e-7d1796f6e3e7</td></tr>
<tr><td>version</td><td>Microsoft Azure Network Security API version . For example: version= 2021-05-01</td></tr>
<tr><td>proxy.id</td><td>ID of the proxy integration if you access Microsoft Azure through a web proxy device. Forexample: proxy.id = 12345</td></tr>
</table>
</td></tr>
<tr><td>Credential</td><td>Credential that has been defined for this integration under <b>Credential</b> menu.</td></tr>
<tr><td>Notify</td><td>Select user(s) from the list to notify when SOAR performs an action on this integration.</td></tr>
</table>

5. Click **Save**.
6. Navigate to **Configuration** > **Customization Library** and edit **Amazon Network Firewall Advanced Action Script Default Script Template**.
7. Select the integration that you have created in step 4 from the **Integrations** drop-down menu and click **Save**.
8. Click **Test**, and **Integration Successful** message is displayed if the credential and address are valid.

Capabilities

1. **Get Network Security Group**
   Enrichment capability for retrieving a network security group in a resource group.

Input Parameter	Description	Type	Scope Restricted (Yes/No)	Required (Yes/No)
Integration	Name of the third party integration	Integration	N/A	Yes
Network Security Group Name	Name of the network security group	String	N/A	Yes
Resource Group Name	Resource group of the user that you have created in Microsoft Azure Network Security Group	String	N/A	Yes

Output:

Case Scope

N/A

Human Readable Output

N/A

2. **List All Network Security Group**
Enrichment capability for retrieving all network security groups from a resource group.

Input Parameter	**Description**	**Type**	**Scope Restricted (Yes/No)**	**Required (Yes/No)**
Integration	Name of the third party integration	Integration	N/A	Yes
Network Security Group Name	Name of the network security group	String	N/A	Yes
Resource Group Name	Resource group of the user in Microsoft Azure Network Security Group	String	N/A	Yes

Output:

Case Scope

N/A

Human Readable Output

N/A

3. **List Network Security Group in Resource Group**
Enrichment capability for listing all network security group in a particular resource group.

Input Parameter	**Description**	**Type**	**Scope Restricted (Yes/No)**	**Required (Yes/No)**
Integration	Name of the third party integration	Integration	N/A	Yes
Network Security Group Name	Name of the network security group	String	N/A	Yes
Resource Group Name	Resource group of the user in Microsoft Azure Network Security Group	String	N/A	Yes

Output:

Case Scope

N/A

Human Readable Output

4. **Create Network Security Group**
   Action capability for creating a network security group in a particular resource group.

Input Parameter	Description	Type	Scope Restricted (Yes/No)	Required (Yes/No)
inNetwork Security Group Name	Network Security Group Name	String	N/A	Yes
Resource groups Name	Resource group of the users in Microsoft Azure Network Security Group.	String	N/A	Yes
Location	Location of the user.	String	N/A	Yes

Output:

Case Scope

N/A

Human Readable Output

N/A

5. **Create Network Security Group Rule**
   Action capability for creating a network security group rule in resource group.

Input Parameter	Description	Type	Scope Restricted (Yes/No)	Required (Yes/No)
Network Security Group Name	Name of the network security group name	String	N/A	Yes
Resource Group Name	Resource group of the users in Microsoft Azure Network Security Group.	String	N/A	Yes
Name	Unique Rule Name	String	N/A	Yes
Protocol	TCP, UDP, ICMP, ESP, AH, or Any	String	N/A	Yes
Source Address Prefix	“*” for all default or 0.0.0.0/0 or AzureLoadBalancer	String	N/A	Yes
Destination Address Prefix	“*” for all default or 0.0.0.0/0 or AzureLoadBalancer	String	N/A	Yes
Source Port Range	0-65535	String	N/A	Yes
Destination Port Range	0-65535	String	N/A	Yes

Input Parameter	Description	Type	Scope Restricted (Yes/No)	Required (Yes/No)
Priority	A number in the range 100-4096 to assign a priority. Rules are processed in priority order, with lower numbers processed before higher numbers	String	N/A	Yes
Direction	Whether the rule applies to inbound, or outbound traffic	String	N/A	Yes
Access	Allow or deny.	String	N/A	Yes
Location	Location of the user	String	N/A	Yes

Output:

Case Scope

N/A

Human Readable Output

N/A

6. **Add Network Security Group Tags**

   Action capability for updating a network security group tag in the specified resource group.

Input Parameter	Description	Type	Scope Restricted (Yes/No)	Required (Yes/No)
Network Security Group Name	Network Security Group Name	String	N/A	Yes
Resource group Name	Resource group of the user in Microsoft Azure Network Security Group.	String	N/A	Yes
Tag Name	Resource Tag Key	String	N/A	Yes
Tag Value	Resource Tag Value	String	N/A	Yes

Output:

Case Scope

N/A

Human Readable Output

N/A

7. **Remove Network Security Group Tags**

   Action capability for Updating network security group tag in the specified resource group.

Input Parameter	Description	Type	Scope Restricted (Yes/No)	Required (Yes/No)
Network Security Group Name	Network Security Group Name	String	N/A	Yes
Resource group Name	Resource group of the user in Microsoft Azure Network Security Group.	String	N/A	Yes
Tag Name	Resource Tag Key	String	N/A	Yes
Tag Value	Resource Tag Value	String	N/A	Yes

Output:

Case Scope

N/A

Human Readable Output

N/A

Integration Guide for Bind RPZ DNS

Integration Overview

ArcSight SOAR uses BIND DNS servers to block malicious domains using incident scope.

Integration Capabilities

Action

- Block

Configuration

Prerequisites

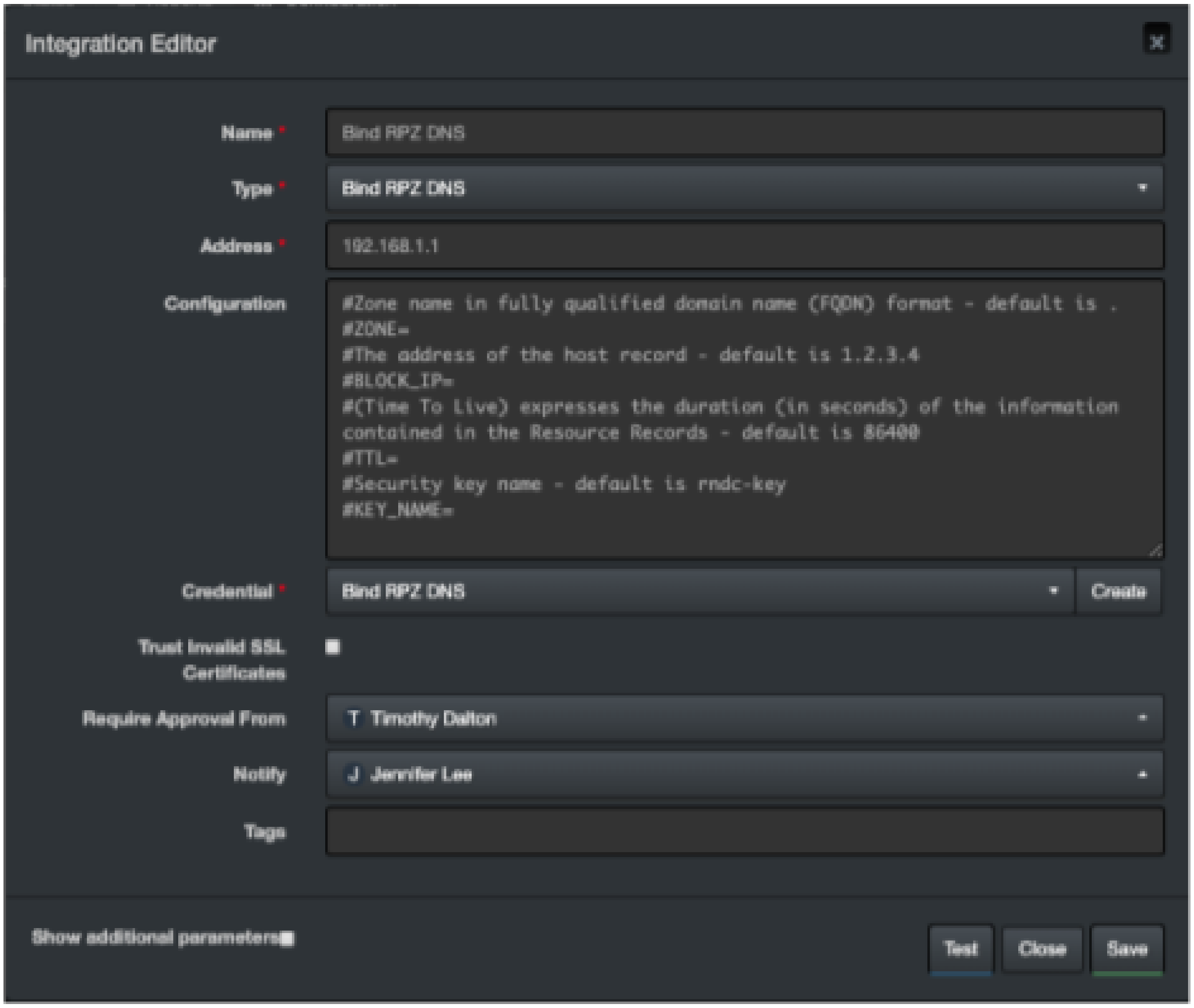
- You must enable the DNS Zone Transfer on the server as SOAR uses DNS Zone Transfer Protocol to connect to the BIND DNS server.
- Remote Name Daemon Control (RNDC)

Configuring SOAR

1. To create the integration, navigate to **Configuration** > **Integrations**.
2. Specify the following parameter values in the **Integration Editor window**:

Parameter	Value
Name	Display name of the integration
Type	BIND RPZ DNS
Address	Address of the integration (the format must be 1.1.1.1).

Parameter	Value
Configuration	You must specify the following configuration parameters: - **ZONE**: Name of the RPZ configured on the BIND server - **BLOCK_IP**: IP address to which malicious domains need to be redirected - **TTL**: Time-to-live for the DNS record - **KEY_NAME**: Name of the RNDC key
Credential	Specify the Credential that was defined for this integration under the **Credentials** menu
Trust Invalid SSL Certificates	Select this if Engine's certificate is self-signed or is not recognized by browsers.
Require Approval From	Select users from list who can provide approval before executing action on this integration
Notify	Select user(s) from the list to notify when SOAR performs an action on this integration



Name * Bind RPZ DNS

Type * Bind RPZ DNS

Address * 192.168.1.1

Configuration

```
#Zone name in fully qualified domain name (FQDN) format - default is .
#ZONE=
#The address of the host record - default is 1.2.3.4
#BLOCK_IP=
#(Time To Live) expresses the duration (in seconds) of the information contained in the Resource Records - default is 86400
#TTL=
#Security key name - default is rndc-key
#KEY_NAME=
```

Credential * Bind RPZ DNS

Trust Invalid SSL Certificates ■

Require Approval From T Timothy Dalton

Notify J Jennifer Lee

Tags

3. Click **Test**. The following pop up will be displayed if your credential and address are valid.
4. Click **Save** to complete integration.

Integration Guide for BMC Helix Remedyforce

Integration Overview

BMC Helix Remedyforce is a cloud service management solution on Salesforce for IT service operations. It improves service delivery with incident and asset management capabilities.

Integration Capabilities

SOAR has the following integration capabilities with BMC Helix Remedyforce:

- Add Client Note to Incident
- Add Client Note to Service Request
- Close Incident
- Close Service Request
- Create Incident
- Create Service Request
- Update Incident
- Update Service Request
- Get Incident Details
- Get Service Request Details
- List Request Definition Questions
- List Request Definitions

Configuration

Configuring BMC Helix Remedyforce

- You must have access to HTTPS as the ArcSight SOAR connects to https://na1.salesforce.com API through this service.
- BMC Helix Remedyforce requires a **Username**, **Password**, and **Security Token** for access.
- Users must have API access enabled.

Configuring SOAR

1. Click **Configuration** > **Credentials** > **Create Credential**.
2. Specify the following parameter values in the **Credential Editor**:

Parameter	Value
Type	Internal Credential
Name	Display name of credential set (For example, BMC Helix Remedyforce Credentials)
Username	<Username>
Password	<password>
Private Key	<security token>

3. Click **Configuration** > **Integrations** > **Create Integration**.

4. Specify the following parameter values in the **Configuration** form:

Parameter	Value
Name	Display name of BMC Helix Remedyforce Integration on SOAR
Type	Advanced Scriptable Device
Address	Address of the Integration (address should be in the format(https://na1.salesforce.com)

Configuration	Specify the following configuration parameters:
	`# Integration ID of the proxy integration to use when connecting to current integration.`
	`# If not provided, ArcSight SOAR will try to use a direct connection.`
	`#proxy.id=123`
	`# Name of the list mapping SOAR Case IDs to Salesforce IDs of incidents and service requests`
	`list.name=SOAR_to_Remedyforce_List`

Credential	Name of the credential set created in step 2 (For example, BMC Helix Remedyforce Credentials)
Trust Invalid SSL Certificates	Select this if the certificate of the engine is self-signed or is not recognized by browsers
Require Approval From	Select users from the list who can provide approval before executing actions on this integration
Notify	Select users from the list to notify when SOAR performs an enrichment on this integration

5. Click **Test** to test whether the configuration and credentials used can successfully authenticate.
6. Click **Save** to complete the integration.
7. Click **Configuration** > **Lists** > **Create List**.

Parameter	Value
List Name	Name of list corresponding to list.name in configuration (ie. SOAR_to_Remedyforce_List)

8. Specify the following in the **List Editor** form:

Type	Column Name
Keyword	Key
Keyword	Salesforce ID

Capabilities

1. **Add Client note to Incident**

   Action capability for adding a client note to an incident.

Input Parameter	Description	Type	Scope Restricted (Yes/ No)	Required (Yes/ No)
Summary	Summary of the note	String	No	Yes
Notes	Note to add to the incident	String	No	Yes

   Output:

   Case Scope

   N/A

   Human Readable Output

   N/A

2. **Add Client Note to Service Request**

   Action capability for adding a client note to a service request.

Input Parameter	Description	Type	Scope Restricted (Yes/ No)	Required (Yes/ No)
Summary	Summary of the note	String	No	Yes
Notes	Note to add to the incident	String	No	Yes

   Output:

   Case Scope

   N/A

   Human Readable Output

   N/A

3. **Close Incident**

   Action capability to close an incident given its status.

Input Parameter	Description	Type	Scope Restricted (Yes/ No)	Required (Yes/ No)
Status	Status of the incident	Dropdown menu with the following options: CLOSED, CLOSED/NO CONTACT, COMPLETED, REJECTED	No	Yes

   Output:

   Case Scope

   N/A

Human Readable Output

N/A

4. **Close Service Request**

Action capability to create a service request.

Input Parameter	Description	Type	Scope Restricted (Yes/ No)	Required (Yes/ No)
Status	Status of the incident	Dropdown menu with the following options: • CLOSED • CLOSED/NO CONTACT • COMPLETED • REJECTED	No	Yes

Output:

Case Scope

N/A

Human Readable Output

N/A

5. **Create Incident**

Action capability to create a new incident.

Input Parameter	Description	Type	Scope Restricted (Yes/ No)	Required (Yes/ No)
Client Username	Username of the client for which the incident is created	Email Address	No	Yes
Account	Name of the account for the incident	Dropdown menu with options: • Account A • Account B • Account C	No	No

Input Parameter	Description	Type	Scope Restricted (Yes/ No)	Required (Yes/ No)
Status	Status of the incident	Dropdown menu with options: • IN PROGRESS • PENDING • ACCEPTED • ASSIGNED • OPENED	No	No
Category	Category of the incident	Dropdown menu with the options: • HR-Separation - Disable Systems Access • Email Distribution • Human Resource Inquiries • Building Access	No	No
Impact	Impact of the incident	Dropdown menu with the options: HIGH, MEDIUM, LOW	No	No
Urgency	Urgency of the incident	Dropdown menu with the options: • HIGH • MEDIUM • LOW	No	No

Input Parameter	Description	Type	Scope Restricted (Yes/ No)	Required (Yes/ No)
Queue	Name of the queue to assign the incident to	Dropdown menu with the options: • Change Management • Client Services • Application Development • Desk Side Support	No	No
Staff Username	Username of the staff to assign the incident to.	Email Address	No	No
Description	Description of the incident	String	No	No
Due Date Time	Date time when the incident is due, can be static (format yyyy-mm-dd HH:MM:SS) or relative (ex: 1d, 2h, 3m)	String	No	No

Output:

Case Scope

N/A

Human Readable Output

N/A

6. **Create Service Request**

Action capability to create a service request.

Input Parameter	Description	Type	Scope Restricted (Yes/ No)	Required (Yes/ No)
Request Definition ID	Salesforce ID of the request definition.	String	No	Yes
Request Definition Questions	Questions and answers for the request definition in the format questionID1=value1;questionID2=value2	String	No	No
Client Username	Username of the client for which the service request is created	Email Address	No	Yes

Input Parameter	Description	Type	Scope Restricted (Yes/ No)	Required (Yes/ No)
Account	Name of the account for the service requested	Dropdown menu with options: • Account A • Account B • Account C	No	No
Status	Status of the service requested	Dropdown menu with options: • IN PROGRESS • PENDING • ACCEPTED • ASSIGNED • OPENED	No	No
Category	Category of the service requested	Dropdown menu with the options: • HR-Separation - Disable Systems Access • Email Distribution • Human Resource Inquiries • Building Access	No	No
Impact	Impact of the service request	Dropdown menu with the options: • HIGH • MEDIUM • LOW	No	No
Urgency	Urgency of the service request	Dropdown menu with the options: • HIGH • MEDIUM • LOW	No	No

Input Parameter	Description	Type	Scope Restricted (Yes/ No)	Required (Yes/ No)
Queue	Name of the queue to which the service request is assigned	Dropdown menu with the options: • Change Management, • Client Services, • Application Development, • Desk Side Support	No	No
Staff Username	Username of the staff to which the service request is assigned	Email Address	No	No
Description	Description of the service request	String	No	No
Due Date Time	Date time when the service request is due, can be static (format yyyy-mm-dd HH:MM:SS) or relative (ex: 1d, 2h, 3m)	String	No	No

Output:

Case Scope

N/A

Human Readable Output

N/A

7. **Update Incident**

Action capability to acquire the client username, account, status, category, impact, urgency, queue, staff username, description, and due date time and updates the incident. At least one of the following parameter must be updated:

Input Parameter	Description	Type	Scope Restricted (Yes/ No)	Required (Yes/ No)
Client Username	(Optional) Username of the client for which the service request is created	Email Address	No	Yes
Account	Name of the account	Dropdown menu with options: • Account A • Account B • Account C	No	No
Status	Status of the incident	Dropdown menu with options: • IN PROGRESS • PENDING • ACCEPTED • ASSIGNED • OPENED	No	No
Category	Category of the incident	Dropdown menu with the options: • HR-Separation - Disable Systems Access • Email Distribution • Human Resource Inquiries • Building Access	No	No
Impact	Impact of the incident	Dropdown menu with the options: • HIGH • MEDIUM • LOW	No	No
Urgency	Urgency of the incident	Dropdown menu with the options: • HIGH • MEDIUM • LOW	No	No
Queue	Name of the queue to which the service request is assigned	Dropdown menu with the options: • Change Management • Client Services • Application Development • Desk Side Support	No	No

Input Parameter	Description	Type	Scope Restricted (Yes/ No)	Required (Yes/ No)
Staff Username	Username of the staff to which the incident is assigned	Email Address	No	No
Description	Description of the incident	String	No	No
Due Date Time	Date time when the service request is due, can be static (format yyyy-mm-dd HH:MM:SS) or relative (ex: 1d, 2h, 3m)	String	No	No

Output:

Case Scope

N/A

Human Readable Output

N/A

8. **Update Service Request**

Action capability that takes the client email address, status, category, impact, urgency, queue, staff username, description, and due date time and updates the service request. At least one of the following parameters must be updated:

Input Parameter	Description	Type	Scope Restricted (Yes/ No)	Required (Yes/ No)
Client Username	(Optional) Username of the client to which the service request is created	Email Address	No	Yes
Account	Name of the account for the service requested	Dropdown menu with options: • Account A • Account B • Account C	No	No

Input Parameter	Description	Type	Scope Restricted (Yes/ No)	Required (Yes/ No)
Status	Status of the service request	Dropdown menu with options: • IN PROGRESS • PENDING • ACCEPTED • ASSIGNED • OPENED	No	No
Category	Category of the service request	Dropdown menu with the options: • HR-Separation - Disable Systems Access • Email Distribution • Human Resource Inquiries • Building Access	No	No
Impact	Impact of the service request	Dropdown menu with the options: • HIGH • MEDIUM • LOW	No	No
Urgency	Urgency of the service request	Dropdown menu with the options: • HIGH • MEDIUM • LOW	No	No

Input Parameter	Description	Type	Scope Restricted (Yes/ No)	Required (Yes/ No)
Queue	Name of the queue to which the service request is assigned	Dropdown menu with the options: • Change Management • Client Services • Application Development • Desk Side Support	No	No
Staff Username	Username of the staff to which the incident is assigned	Email Address	No	No
Description	Description of the service request	String	No	No
Due Date Time	Date time when the service request is due, can be static (format yyyy-mm-dd HH:MM:SS) or relative (ex: 1d, 2h, 3m)	String	No	No

9. **Get Incident Details**

Enrichment capability to retrieve incident details given by the Salesforce ID. Salesforce ID will be retrieved from the list on the SOAR.

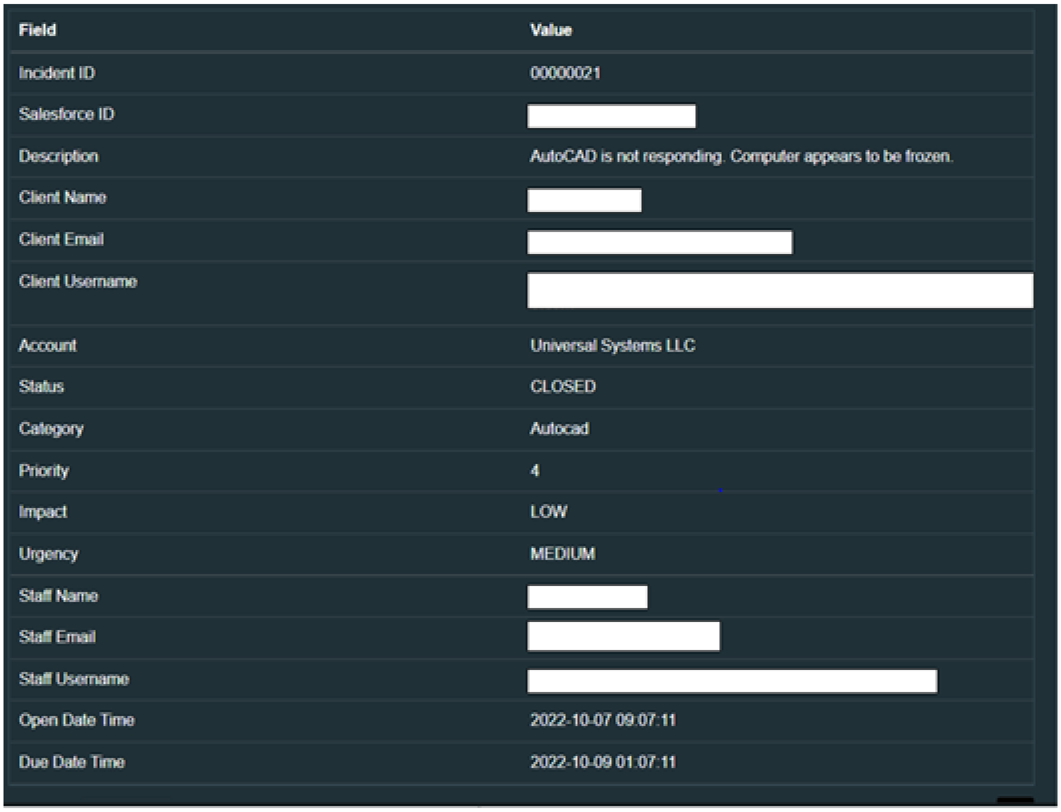
Input Parameter	Description	Type	Scope Restricted (Yes/ No)	Required (Yes/ No)
Integration	BMC Helix Remedyforce	Integration	N/A	Yes

Output:

Case Scope

Action	Type	Category/Value
N/A	N/A	N/A

Human Readable Output:



Field	Value
Incident ID	00000021
Salesforce ID	[redacted]
Description	AutoCAD is not responding. Computer appears to be frozen.
Client Name	[redacted]
Client Email	[redacted]
Client Username	[redacted]
Account	Universal Systems LLC
Status	CLOSED
Category	Autocad
Priority	4
Impact	LOW
Urgency	MEDIUM
Staff Name	[redacted]
Staff Email	[redacted]
Staff Username	[redacted]
Open Date Time	2022-10-07 09:07:11
Due Date Time	2022-10-09 01:07:11

10. **Get Service Request Details**

Enrichment capability to retrieves service request details given the Salesforce ID. Salesforce ID will be retrieved from the list on the SOAR.

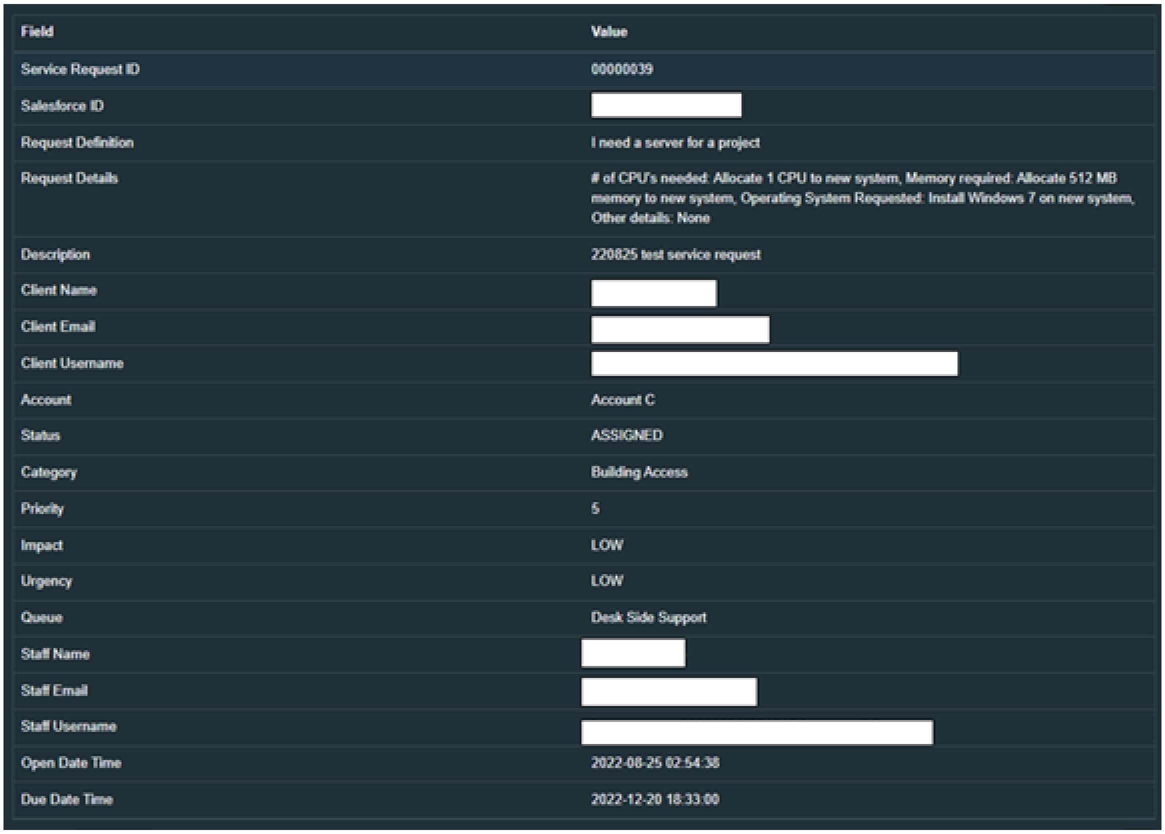
Input Parameter	Description	Type	Scope Restricted (Yes/ No)	Required (Yes/ No)
Integration	BMC Helix Remedyforce	Integration	N/A	Yes

Output:

Case Scope:

Action	Type	Category/value
N/A	N/A	N/A

Human Readable Output



Field	Value
Service Request ID	00000039
Salesforce ID	[redacted]
Request Definition	I need a server for a project
Request Details	# of CPU's needed: Allocate 1 CPU to new system, Memory required: Allocate 512 MB memory to new system, Operating System Requested: Install Windows 7 on new system, Other details: None
Description	220825 test service request
Client Name	[redacted]
Client Email	[redacted]
Client Username	[redacted]
Account	Account C
Status	ASSIGNED
Category	Building Access
Priority	5
Impact	LOW
Urgency	LOW
Queue	Desk Side Support
Staff Name	[redacted]
Staff Email	[redacted]
Staff Username	[redacted]
Open Date Time	2022-08-25 02:54:38
Due Date Time	2022-12-20 18:33:00

11. List Request Definition Questions

Enrichment capability to list the questions associated with a request definition.

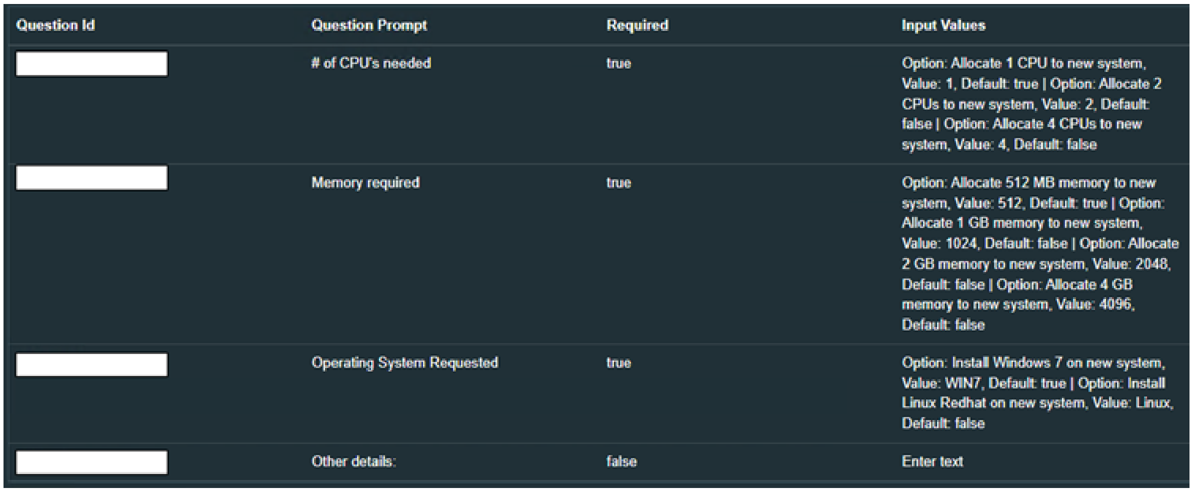
Input Parameter	Description	Type	Scope Restricted (Yes/ No)	Required (Yes/ No)
Integration	BMC Helix Remedyforce	Integration	N/A	Yes
Request Definition ID	Salesforce ID of the request definition	String	No	Yes

Output:

Case Scope:

Action	Type	Category/Value
N/A	N/A	N/A

Human Readable Output:



Question Id	Question Prompt	Required	Input Values
[redacted]	# of CPU's needed	true	Option: Allocate 1 CPU to new system, Value: 1, Default: true | Option: Allocate 2 CPUs to new system, Value: 2, Default: false | Option: Allocate 4 CPUs to new system, Value: 4, Default: false
[redacted]	Memory required	true	Option: Allocate 512 MB memory to new system, Value: 512, Default: true | Option: Allocate 1 GB memory to new system, Value: 1024, Default: false | Option: Allocate 2 GB memory to new system, Value: 2048, Default: false | Option: Allocate 4 GB memory to new system, Value: 4096, Default: false
[redacted]	Operating System Requested	true	Option: Install Windows 7 on new system, Value: WIN7, Default: true | Option: Install Linux Redhat on new system, Value: Linux, Default: false
[redacted]	Other details:	false	Enter text

12. **List Request Definitions**

Enrichment capability to list all available request definitions that can be used for service request creation.

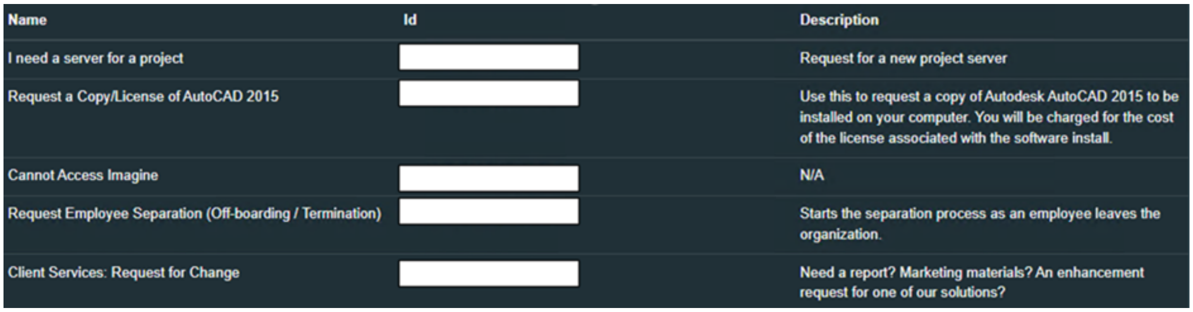
Input Parameter	Description	Type	Scope Restricted (Yes/ No)	Required (Yes/ No)
Integration	BMC Helix Remedyforce	Integration	N/A	Yes

Output:

Case Scope

Action	Type	Category/Value
N/A	N/A	N/A

Human Readable Output:



Name	Id	Description
I need a server for a project	[redacted]	Request for a new project server
Request a Copy/License of AutoCAD 2015	[redacted]	Use this to request a copy of Autodesk AutoCAD 2015 to be installed on your computer. You will be charged for the cost of the license associated with the software install.
Cannot Access Imagine	[redacted]	N/A
Request Employee Separation (Off-boarding / Termination)	[redacted]	Starts the separation process as an employee leaves the organization.
Client Services: Request for Change	[redacted]	Need a report? Marketing materials? An enhancement request for one of our solutions?

Integration Guide for Carbon Black Response (EDR)

Integration Overview

Carbon Black Response (EDR)is a next-generation antivirus and end point detection response application. It's sophisticated detection combines custom and cloud-delivered threat intel, automated watchlists, and integrations with other platforms to efficiently scale hunt across the enterprise. It consolidates threat intelligence for your environment to automatically detect suspicious behavior.

Integration Capabilities

- Block Hash
- Unblock Hash
- Quarantine
- Unquarantine
- Computer Info
- Download Binary
- Get Binary Metadata
- List Process Connections
- Process Event Details
- Search Binaries
- Search Processes

Use Case: Investigating and Blocking Malware Spread

ArcSight SOAR integrates with Carbon Black Response (EDR), to help investigation and mitigation of malware attacks. When a suspicious file or malware is detected, SOAR lets you to search malware across endpoints, isolates PCs from network, and blocks relevant hashes. This investigation can either be performed automatically within a playbook or manually by an analyst.

Configuration

Prerequisites

- Access to port 443/tcp as SOAR connects to Carbon Black Response(EDR) API through HTTPS.
- An API key is required for SOAR to connect to Carbon Black Response(EDR).

Configuring Carbon Black Response(EDR)

1. Log in to Carbon Black Server.
2. Navigate to **User Profile** > **API Token** and make a note of the API key.

Configuring SOAR

1. Click **Configuration** > **Credentials** > **Create Credential**.
2. Specify the **Crenetial Editor** form with the following parameter values:
   a. **Internal credential:**

Parameter	Value
Type	Internal credential
Name	Display name of the credential set (For example, Carbon Black Credential)
Username	Empty
Password	Empty
Private Key	API Key obtained from Carbon Black Response (EDR)·

   b. **Credential Store:**

Parameter	Value
Type	External credential
Name	Name of the credential with full path of the safe on store.

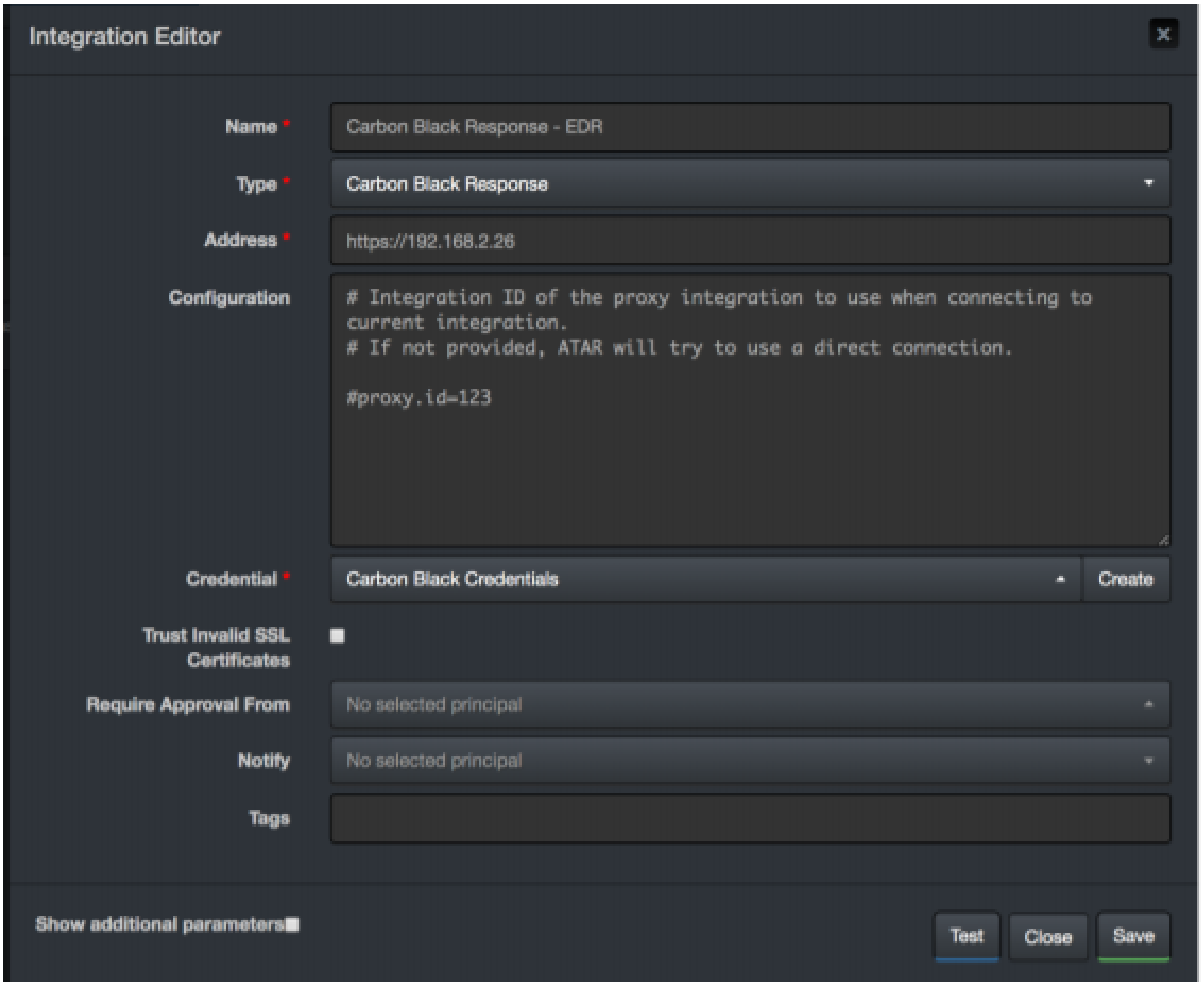
3. Click **Configuration** > **Integrations** > **Create Migration**.

4. Specify the **Configuration form** with the following parameter values:

Parameter	Value
Name	Display name of Carbon Black Response (EDR) integration on SOAR
Type	Carbon Black Response
Address	Address of the integration (in the format: https://192.168.2.26)

Configuration	Specify the following configuration parameters:
	`# Integration ID of the proxy integration to use when connecting to`
	`# current integration.`
	`# If not provided, SOAR will try to use a direct connection.`
	`#proxy.id=123`

Credential	Name of the credential set created on step 2. (For example, Carbon Black Credentials)
Trust Invalid SSL Cerificates	Not Applicable
Require Approval From	Select users from list who can provide approval before executing actions on this integration.
Notify	Select users from the list to notify when SOAR performs an action on this integration



Name *: Carbon Black Response - EDR

Type *: Carbon Black Response

Address *: https://192.168.2.26

Configuration:

```
# Integration ID of the proxy integration to use when connecting to
current integration.
# If not provided, ATAR will try to use a direct connection.

#proxy.id=123
```

Credential *: Carbon Black Credentials — Create

Trust Invalid SSL Certificates: ■

Require Approval From: No selected principal

Notify: No selected principal

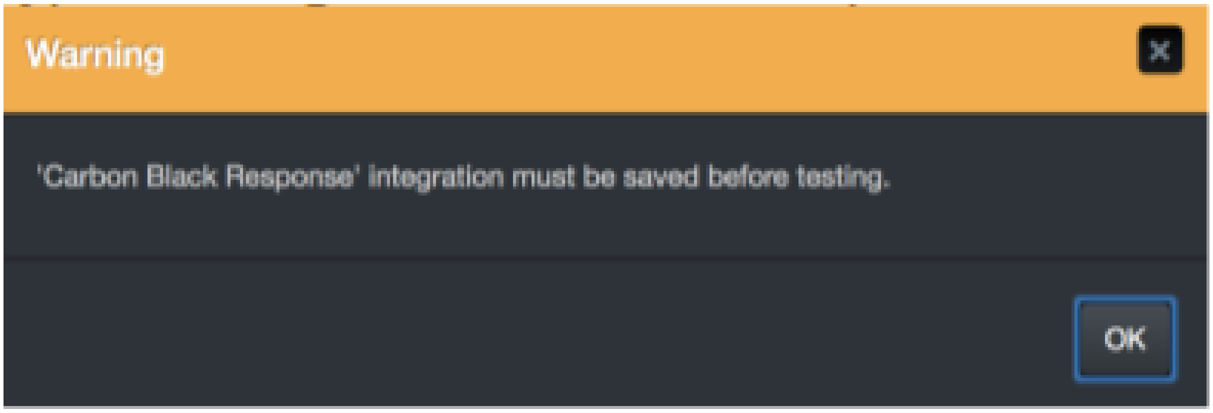
Tags:

Show additional parameters ■

5. Navigate to **Configuration** > **Customization Library** and edit **Carbon Black Response Advanced Action Script Default Template**.
6. Select the integration that you have added to **Integrations** menu.
7. Click **Save** to complete the integration.
8. Click **Test**, an **Integration Successful** message is displayed if the credential and address are valid.

Additional Notes

- Carbon Black Response integration on SOAR is an Advanced Script, and the content of default script is accessible under **Configuration** > **Customization Library**.
- While defining the integration for the first time, you will encounter the following warning message, which is expected behavior for this type of integration.



Warning

'Carbon Black Response' integration must be saved before testing.

Integration Guide for Check Point R80

Integration Overview

Check Point R80 is an integrated solution for advanced threat prevention and security management.

This integration was tested with Check Point R80.20.

Integration Capabilities

- Block Email Sender
- Block Hash
- Block Host
- Block IP
- Block URL

Prerequisites

You must have access to HTTPS as the ArcSight SOAR connects to Check Point Smart Console API through this service.

Configuration

Configuring Check Point R80

1. Login to **Management Console** and navigate to **Manage & Settings > Blades > Management API Advanced Settings** and select **All IP addresses that can be used for GUI clients** in the Access Settings section.

2. Restart the API service by executing the following command in the command prompt:
   ```
   api restart
   ```
3. SOAR requires standard read/write access for the necessary policy and objects. To install policy automatically, the user must have the rights in its permission profile. You must

configure the required access rights for SOAR user as follows:

Type	Permission
Access Control	• Policy • Data Loss Prevention • Access Control Objects and Settings • Install Policy
Threat Prevention	• Policy Layers • Policy Exceptions • Profiles • Protections • Install Policy
Management	Management API Login
Others	Common Objects

4. Create an **Object Group** to be used by SOAR. The ArcSight SOAR adds the objects that you want to block in the Object Group.

Configuring SOAR

1. Click **Configuration** > **Credential** > **Create Credential**.
2. Specify the following values in the **Credential Editor**:

Parameter	Value
Type	Internal Credential
Name	Display name of credential set, for example, Check Point R80 Credentials.
Username	User that you have created for SOAR on Check Point R80
Password	Password of the user you have created for SOAR on Check Point R80
Private Key	Empty

3. Click **Configuration** > **Integrations** > **Create Integration**.
4. Specify the following values in the **Configuration Form**:

Parameter	Value
Name	Display name of the integration.
Type	Check Point R80 Next Generation Firewall.
Address	Address of the integration (the format must be 10.0.0.1 or abc.example.com)

<table>
<tr><th>Parameter</th><th>Value</th></tr>
<tr><td>Configuration</td><td>Specify the following configuration parameters:
<table>
<tr><td>group.name</td><td>Object Group’s name created in Check Point configuration steps. For example:
group.name = SOAR</td></tr>
<tr><td>products</td><td>Possible values are AV (Anti Virus) for external threats and AB (Anti Bot) for internal threats. Please put “|” separator for more than one product. For example:
Product = AV|AB</td></tr>
<tr><td>install.policy</td><td>If you would like to install policy automatically, set this variable true:
install.policy = true</td></tr>
<tr><td>policy.package</td><td>Policy which SOAR installs on target systems. Required if install.policy is true. For example:
policy.package = standard</td></tr>
<tr><td>targets</td><td>Name of the target gateways. Required if install.policy is true. Please use “|” as separator if you have more than one target. For example:
targets = CP_Cluster</td></tr>
<tr><td>access</td><td>Required for blocking IP addresses on access policy. Required if install.policy is true.
access = true</td></tr>
<tr><td>threat.prevention</td><td>Required for blocking indicators on Threat Prevention policy (Domain, Email, Hash, URL). Required if install.policy is true.
threat.prevention = true</td></tr>
<tr><td>proxy.id</td><td>ID of the Proxy integration if you access Check Point R80 through a web proxy device. For example:
proxy.id = 12345</td></tr>
</table>
</td></tr>
<tr><td>Credentials</td><td>Credential that has been defined for this integration under the Credentials menu.</td></tr>
<tr><td>Trust Invalid SSL Certificates</td><td>Select this if Engine’s certificate is self-signed or is not recognized by browsers.</td></tr>
<tr><td>Require Approval From</td><td>Select user(s) from list to ask her/his approval before executing actions on this integration</td></tr>
<tr><td>Notify</td><td>Select user(s) from the list to notify when SOAR performs an action on this integration</td></tr>
</table>

5. Click **Show Additional Parameters** checkbox and select the frequency of policy install in **Maintenance** dropdown.

> As the firewall might get overloaded, in case of frequent attacks or misconfiguration, thus, SOAR does not install the policy after every action. Instead, you can define the frequency of the policy install in **Maintenance** menu by either selecting pre-defined values or by defining a custom Cron expression for scheduling. The ArcSight SOAR uses spring-framework's Cron expression format. For the format and similar example, refer to the Spring Framework-Cron Expression

6. Click **Test**. An **Integration Successful** message is displayed if your credential and address are valid.
7. Click **Save** to complete the integration.

Capabilities

1. **Block Email Sender**

   Action capability for blocking malicious email addresses.

   - Rollback: Yes
   - Duplicate Control: Yes

> Only supported on AV product. AB product doesn't support this capability.

Input Parameter	Description	Type	Scope Restricted Yes/No	Required Yes/No
Integration	Name of the third party integration	Integration	N/A	Yes
Rollback	Time to rollback this action. Default is no-rollback.	N/A	N/A	No
Email Address	Email address to be blocked	Email Address	Yes	Yes

Output:

Case Scope: N/A

Human Readable Output: N/A

2. **Block Hash**

   Action capability for blocking hash values of malicious files.

   - Rollback: Yes
   - Duplicate Control: Yes

> Only supported on AV product. AB product doesn’t support this capability.

Input Parameter	Description	Type	Scope Restricted Yes/No	Required Yes/No
Integration	Name of the third party integration	Integration	N/A	Yes
Rollback	Time to rollback this action. Default is no-rollback.	N/A	N/A	No
Hash	Hash to be blocked	Hash	Yes	Yes

Output:

Case Scope: N/A

Human Readable Output: N/A

3. **Block Host**

   Action capability for blocking malicious hosts.

   - Rollback: Yes
   - Duplicate Control: Yes

> Only supported on AV product. AB product doesn’t support this capability.

Input Parameter	Description	Type	Scope Restricted Yes/No	Required Yes/No
Integration	Name of the third party integration	Integration	N/A	Yes
Rollback	Time to rollback this action. Default is no-rollback.	N/A	N/A	No
Host	Host to be blocked	Host (It is mentioned as domain object on Check Point)	Yes	Yes

Output:

Case Scope: N/A

Human Readable Output: N/A

4. **Block IP**

   Action capability for blocking malicious IP addresses.

- Rollback: Yes
- Duplicate Control: Yes

> Only supported on AV product. AB product doesn’t support this capability.

Input Parameter	Description	Type	Scope Restricted Yes/No	Required Yes/No
Integration	Name of the third party integration	Integration	N/A	Yes
Rollback	Time to rollback this action. Default is no-rollback.	N/A	N/A	No
IP Address	IP address to be blocked	Network Address	Yes	Yes

Output:

Case Scope: N/A

Human Readable Output: N/A

5. **Block URL**

Action capability for blocking URLs.

- Rollback: Yes
- Duplicate Control: Yes

> Only supported on AV product. AB product doesn’t support this capability.

Input Parameter	Description	Type	Scope Restricted Yes/No	Required Yes/No
Integration	Name of the third party integration	Integration	N/A	Yes
Rollback	Time to rollback this action. Default is no-rollback.	N/A	N/A	No
URL	URL to be blocked	URL	Yes	Yes

Output:

Case Scope: N/A

Human Readable Output: N/A

Integration Guide for Check Point SandBlast

Integration Overview

Check Point SandBlast provides advanced threat protection against known threats, zero-day malware, and sophisticated attacks.

Integration Capabilities

Threat Emulation capability prevents infections from undiscovered exploits, zero-day and targeted attacks by inspecting files, and running them in a virtual sandbox to discover malicious behavior.

ArcSight SOAR has the following integration capabilities with Check Point SandBlast:

- Threat Emulation & AV Scan

Use Case: Investigating suspicious file

With Check Point SandBlast integration, during the investigation of an incident, SOAR can send a suspicious file to Check Point SandBlast to emulate threats and run an anti virus scan for the file. This investigation can either be performed automatically within a playbook or manually by an analyst.

Configuration

Prerequisites

- Make sure you have access to 443/tcp port as SOAR connects to Check Point SandBlast's API through HTTPS. If cloud-based threat emulation service is used, the API interface works on https://te.checkpoint.com/api/bla/bla
- If a local gateway is used, typically access permission to 18194/tcp port is required.
- An API key is required for SOAR to connect to Check Point SandBlast.

Configuring Check Point SandBlast

1. If you are using cloud-based threat emulation service, contact Check Point to get the API key.

2. If you are using local gateway, the following link provides you with the document for creating API key:

   http://supportcontent.checkpoint.com/solutions?id=sk113599

Configuring SOAR

1. **Configuration** > **Integrations** > **Create Integration**.
2. Fill the **Credential Editor** form with the following parameter values:
   a. **Internal Credential:**

Parameter	Value
Type	Internal Credential
Name	Display name of credential set (For example, Check Point SandBlast Credential)
Username	Empty
Password	Empty
Private Key	API key you have created for SOAR on local gateway or you have obtained from Check Point.

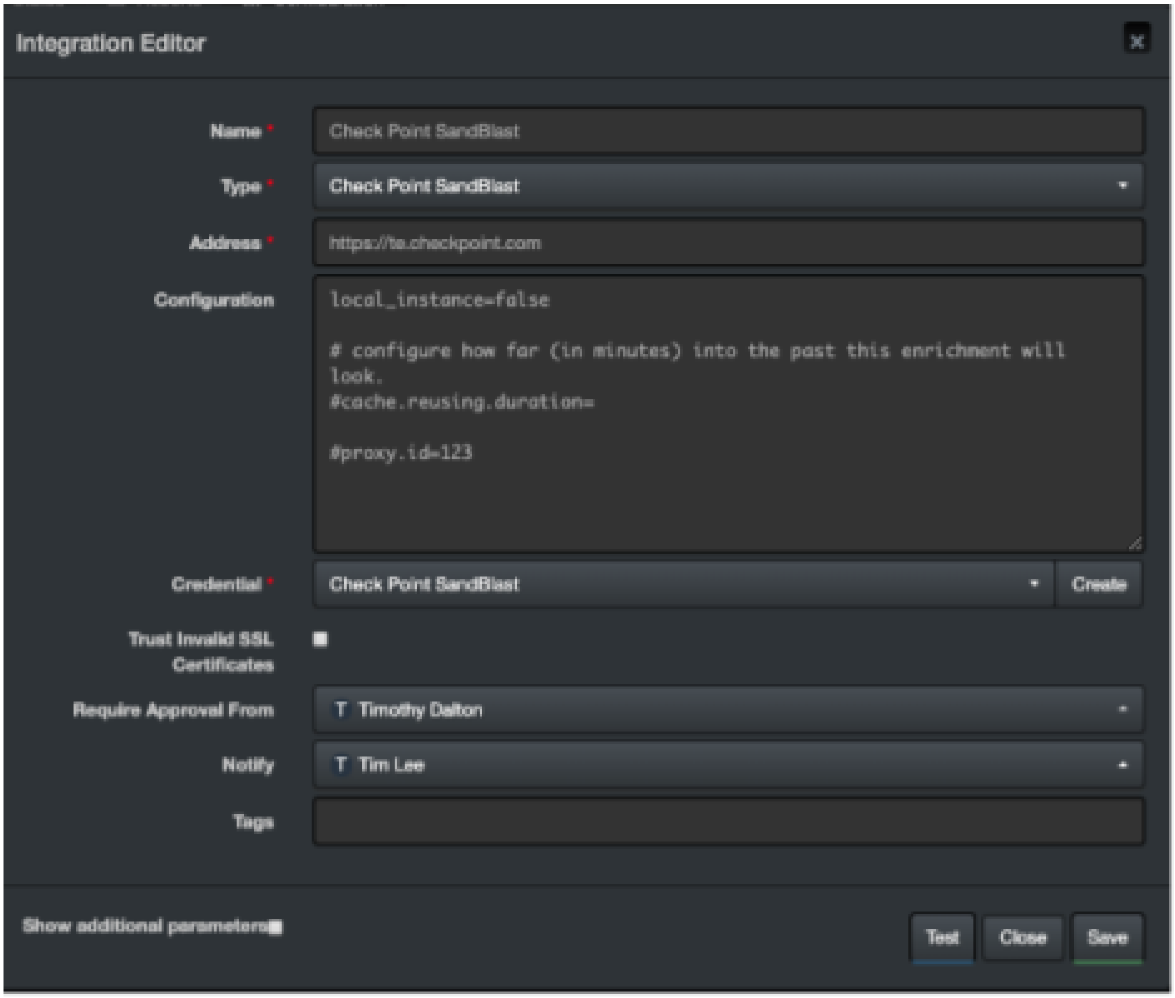
   b. **Credential Store:**

Parameter	Value
Type	External credential
Name	Name of the credential with full path of the safe on store

3. **Configuration** > **Integrations** > **Create Integration.**
4. Fill the configuration form with the following parameter values:

Parameter	Value
Name	Display name of Check Point SandBlast integration on SOAR
Address	Address of the integration (the format must be https://192.168.1.1:18194 or https://te.checkpoint.com)
Credential	Name of the credential set you have just created on step 2. (For example, Check Point SandBlast Credential).
Trust Invalid SSL Certificates	Select this if Engine's certificate is self-signed or is not recognized by browsers.

<table>
<tr><th>Parameter</th><th>Value</th></tr>
<tr><td>Configuration</td><td>Specify the following configuration parameters:
<pre>
# Set local_instance true if you use local gateway.
local_instance=false#
configure how far (in minutes) into the past this enrichment will
look.
cache.reusing.duration=60
# Set proxy id if necessary for SOAR to reach the SandBlast instance.
proxy.id=123
</pre></td></tr>
<tr><td>Require Approval Form</td><td>Select user(s) from list to ask her/his approval before executing actions on this s.</td></tr>
<tr><td>Notify</td><td>Select user(s) from the list to notify when SOAR performs an action on this integration.</td></tr>
</table>


Integration Editor

Name * Check Point SandBlast

Type * Check Point SandBlast

Address * https://te.checkpoint.com

Configuration

```
local_instance=false

# configure how far (in minutes) into the past this enrichment will
look.
#cache.reusing.duration=

#proxy.id=123
```

Credential * Check Point SandBlast

Trust Invalid SSL Certificates □

Require Approval From T Timothy Dalton

Notify T Tim Lee

Tags

5. Click **Test**. The following pop up will be displayed if your credential and address are valid.
6. Click **Save** to complete integration.

Integration Guide for CiscoASA Firewall

Cisco ASA is a security technology that combines firewall, antivirus , intrusion prevention and virtual private network (VPN) capabilities. It provides proactive threat defence and stops attacks before they spread in the network.

Integration Capabilities

- Block Host
- Block IP

Prerequisites

- You must have access to 443/tcp port for HTTPS as the ArcSight SOAR connects to Cisco ASA Firewall REST-API interface through this service.
- SOAR must have a user account to connect to Cisco ASA Firewall.

Configuration

Configuring Cisco ASA Firewall

1. Log in to **Cisco ASA Firewall** device command line console.
2. Create a user account with privilege level 15 as follows:

   ```
   # configure terminal
   ```

   ```
   # username soar password choose_a_complex_password privilege 15
   ```

3. Enable the **REST API** services by running the following commands:

   ```
   # rest-api image
   ```

   ```
   # rest-api agent
   ```

Configuring SOAR

1. Click **Configuration** > **Credential** > **Create Credential**.
2. Specify the following parameter values in the **Credential Editor** form.

Type	Name	Username	Password	Private Key
Internal credential	Display name of credential set (for example, Cisco ASA Firewall Credential).	User you have created for SOAR on Cisco ASA Firewall.	Password of the user you have created for SOAR on Cisco ASA Firewal.	Empty.

3. Click **Configuration** > **Integrations** > **Create Integration**.
4. Specify the following parameter values in the **Configuration** form.

<table>
<tr><th>Parameter</th><th>Value</th></tr>
<tr><td><b>Name</b></td><td>Display name of the integration.</td></tr>
<tr><td><b>Type</b></td><td>Cisco ASA Firewall</td></tr>
<tr><td><b>Address</b></td><td>Address of the integration (the format should be https://10.0.0.1)</td></tr>
<tr><td><b>Configuration</b></td><td>Specify the following configuration parameters:
<table>
<tr><td><b>NETWORK_OBJECT_GROUP_NAME_FOR_IP</b></td><td><b>IP Object Group name used by SOAR. For example: NETWORK_OBJECT_GROUP_NAME_FOR_IP=SOAR_IP_LIST .</b></td></tr>
<tr><td><b>NETWORK_OBJECT_GROUP_NAME_FOR_DOMAIN</b></td><td><b>FQDN Object Group name used by SOAR. For example: NETWORK_OBJECT_GROUP_NAME_FOR_DOMAIN=SOAR_DOMAIN_LIST.</b></td></tr>
<tr><td><b>proxy.id</b></td><td><b>ID of the Proxy integration if you access Cisco ASA Firewall through a web proxy device. For example: proxy.id = 12345</b></td></tr>
</table></td></tr>
<tr><td><b>Credential</b></td><td>Credential that has been defined for this integration in the <b>Credentials</b> menu.</td></tr>
<tr><td><b>Trust Invalid SSL Certificates</b></td><td>Select this if firewall's web certificate is self-signed or is not recognized by browsers.</td></tr>
<tr><td><b>Require Approval From</b></td><td>Select user(s) from list to ask the approval before executing actions on this integration.</td></tr>
<tr><td><b>Notify</b></td><td>Select user(s) from the list to notify when SOAR performs an action on this integration.</td></tr>
</table>

5. Click **Save** to save the integration definition.
6. Navigate to **Configuration>Customization Library** and edit **Cisco ASA Firewall Advanced Action Script Default Template.**

7. Select the integration that you have added in the **Integrations** menu.
8. Click **Save** to complete the integration.

Capabilities

1. **Block Host**
   Action capability for blocking malicious host.
   - Rollback: Yes
   - Duplicate Control: Yes

Input Parameter	**Description**	**Type**	**Scope Restricted (Yes/ No)**	**Required (Yes/ No)**
Integration	Name of the 3rd party integration	Integration	N/A	Yes
Rollback Mode	Time to rollback this action. Default is no-rollback	N/A	N/A	No
FQDN	Host to be blocked	Host (It is written as domain object on Cisco ASA Firewall)	Yes	Yes

Output:

Case Scope: N/A

Human Readable Output: N/A

2. **Block IP**
   Action capability for blocking malicious IP addresses.
   - Rollback: Yes
   - Duplicate Control: Yes

Input Parameter	Description	Type	Scope Restricted (Yes/ No)	Required (Yes/ No)
Integration	Name of the 3rd party integration.	Integration	N/A	Yes
Rollback Mode	Time to rollback this action. Default is no-rollback.	N/A	N/A	No
IP Address	IP address to be blocked	Network Address	Yes	Yes

Output:

Case Scope: N/A

Human Readable Output: N/A

Integration Guide for Cisco Firepower Management Center

Integration Overview

Cisco Firepower Management Center (formerly Sourcefire Firepower Management Center) is an administrative center node of the Firepower Threat Defense systems and manages critical Cisco network security solutions. It provides complete and unified management over firewalls, application control, intrusion prevention, URL filtering, and advanced malware protection.

This integration is tested with Cisco Firepower Management Center version 6.3.0 (build83).

Integration Capabilities

ArcSight SOAR has the following integration capabilities with Cisco Firepower Management Center:

- Block IP
- Block URL

Prerequisites

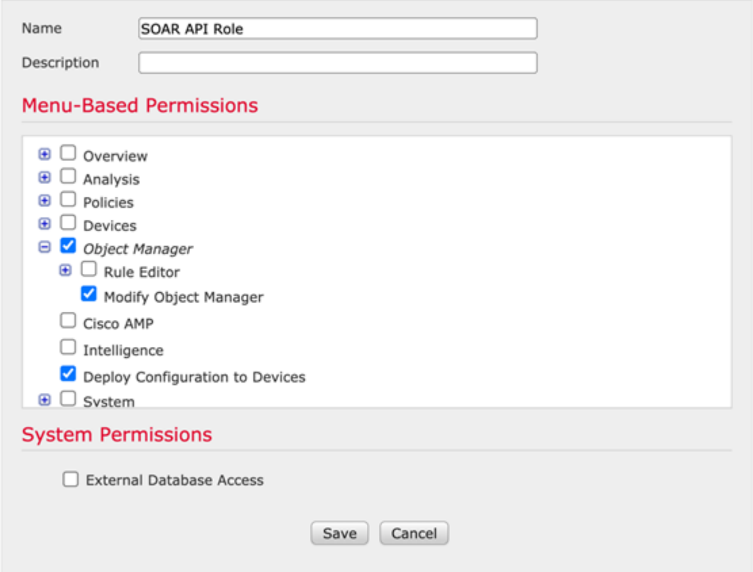
You must have access to HTTPS as the ArcSight SOAR connects to Cisco Firepower Management Center REST API through this service.

Configuration

Configuring Cisco Firepower Management Center

1. Login to **Management Center** and navigate to **System** > **Configuration** > **REST API Preferences** and enable **REST API**.
2. Navigate to **System** > **Users** > **User Roles** and create a new role with the following permissions:

- **Object Manager>Modify Object Manager**
- **Deploy Configuration to Devices**



Name: SOAR API Role

Description:

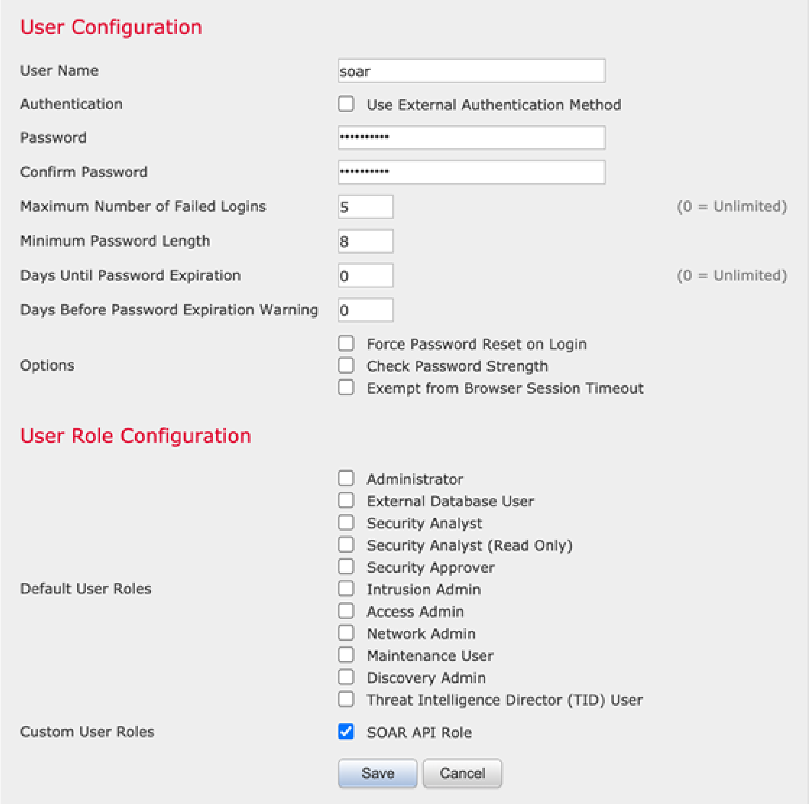
Menu-Based Permissions

- ⊞ □ Overview
- ⊞ □ Analysis
- ⊞ □ Policies
- ⊞ □ Devices
- ⊟ ☑ *Object Manager*
  - ⊞ □ Rule Editor
  - ☑ Modify Object Manager
- □ Cisco AMP
- □ Intelligence
- ☑ Deploy Configuration to Devices
- ⊞ □ System

System Permissions

□ External Database Access

3. Navigate to **System** > **Users** > **Users** and create a new user account with user role that you have created in the previous step.



User Configuration

User Name	soar	
Authentication	□ Use External Authentication Method	
Password	••••••••••	
Confirm Password	••••••••••	
Maximum Number of Failed Logins	5	(0 = Unlimited)
Minimum Password Length	8	
Days Until Password Expiration	0	(0 = Unlimited)
Days Before Password Expiration Warning	0	
Options	□ Force Password Reset on Login □ Check Password Strength □ Exempt from Browser Session Timeout	

User Role Configuration

Default User Roles	□ Administrator □ External Database User □ Security Analyst □ Security Analyst (Read Only) □ Security Approver □ Intrusion Admin □ Access Admin □ Network Admin □ Maintenance User □ Discovery Admin □ Threat Intelligence Director (TID) User
Custom User Roles	☑ SOAR API Role

4. Navigate to **Objects** > **Object Management** and create two object groups with the following configurations.

Name	Description	Allow Overrides
SOAR_BLOCK_IP	Object Group for IPs blocked by ArcSight SOAR.	True
SOAR_BLOCK_URL	Object Group for URLs blocked by ArcSight SOAR.	True

Note: You can use these object groups in required rules.

Configuring SOAR

1. Click **Configuration** > **Credential** > **Create Credential**.
2. Specify the following parameter values in the **Credential Editor** form.

Type	**Name**	**Username**	**Password**	**Private Key**
Internal credential	Display name of credential set (for example, Cisco FMC Credential).	User you have created for SOAR on Cisco Firepower Management Center.	Password of the user that you have created for SOAR on Cisco Firepower Management Center.	

3. Click **Configuration** > **Integrations** > **Create Integration**.
4. Specify the following parameter values in the **Configuration** form.

<table>
<tr><th>Parameter</th><th>Value</th></tr>
<tr><td><b>Name</b></td><td>Display name of the integration.</td></tr>
<tr><td><b>Type</b></td><td>Cisco Firepower Management Center.</td></tr>
<tr><td><b>Address</b></td><td>Address of the integration (the format must be https://10.10.20.40).</td></tr>
<tr><td><b>Configuration</b></td><td>Specify the following configuration parameters:
<table>
<tr><td><b>proxy.id</b></td><td><b>ID of the Proxy integration if you access Cisco Firepower Management Center through a web proxy device. For example: proxy.id = 12345</b> .</td></tr>
<tr><td><b>network.object.group.name</b></td><td><b>Name of the object group SOAR adds IP addresses into. network.object.group.name = SOAR_BLOCK_IP</b> .</td></tr>
<tr><td><b>url.object.group.name</b></td><td><b>Name of the object group SOAR adds IP addresses into. url.object.group.name=SOAR_BLOCK_URL</b>.</td></tr>
</table></td></tr>
<tr><td><b>Credential</b></td><td>Credential that has been defined for this integration under the <b>Credentials</b> menu.</td></tr>
</table>

Parameter	Value
Trust Invalid SSL Certificates	Select this if web server’s certificate is self-signed or is not recognized by browsers.
Require Approval From	Select user(s) from list to ask the approval before executing actions on this integration.
Notify	Select user(s) from the list to notify when SOAR performs an action on this integration.

5. Click **Show Additional Parameters** checkbox and select the frequency of policy install in **Maintenance** dropdown.

> As the devices managed by Cisco Firepower Management Center might get overloaded, in case of frequent attacks or misconfiguration, thus, SOAR does not deploy the changes after every action. Instead, you can define the frequency of the deployments in Maintenance menu by either selecting pre-defined values or by defining a custom Cron expression for scheduling.
> The ArcSight SOAR uses spring-framework’s Cron expression format. For the format and similar example, refer to the Spring Framework-Cron Expression.

6. Click **Save** to save the integration definition.
7. Navigate to **Configuration>Customization Library** and edit **Cisco Firepower Management Center Advanced Action Script Default Template**.
8. Select the integration that you have added to **Integrations** menu.
9. Click **Save** to complete the integration.
10. Click **Test**, an **Integration Successful** message is displayed if the credential and address are valid.

Capabilities

1. **Block IP**
   Action capability for adding an IP to given object group.
   - Rollback: Yes
   - Duplicate Control: No

   This table presents the **Block IP** action capability details:

Input Parameter	Description	Type	Scope Restricted (Yes/ No)	Required (Yes/ No)
Integration	Name of the third party integration	Integration	N/A	Yes
Rollback Mode	Time to rollback this action. Default is no-rollback	N/A	N/A	No
IP	IP address to be added to object group	Network Address	Yes	Yes

Output:

Case Scope: N/A

Human Readable Output: N/A

2. **Block URL**
Action capability for adding an URL to given object group.
   - Rollback: Yes
   - Duplicate Control: No

This table presents the **Block URL** action capability details:

Input Parameter	Description	Type	Scope Restricted (Yes/ No)	Required (Yes/ No)
Integration	Name of the third party integration	Integration	N/A	Yes
Rollback Mode	Time to rollback this action. Default is no-rollback	N/A	N/A	No
URL	URL to be added to object group	URL	Yes	Yes

Output:

Case Scope: N/A

Human Readable Output: N/A

Integration Guide for Cisco Identity Service Engine

Integration Overview

The Cisco Identity Services Engine (ISE) offers a network-based approach for adaptable, trusted access everywhere, based on the context. It provides intelligent, integrated protection through intent-based policy and compliance solutions.This integration has been tested with Cisco Identity Services Engine 2.3.0.238 version.

Integration Capabilities

ArcSight SOAR has the following integration capability with Cisco Identity Services Engine:

Action:

- Block MAC Address

Configuration

Prerequisites

Make sure to check the following prerequisites:

- Access to 443/tcpport as SOAR connects to Identity Services Engine API through HTTPS.
- An user account for SOAR to connect to Identity Services Engine

Configuring Cisco Identity Services Engine

1. Create a user account and the user must be a member of MnT Admin.

Configuring SOAR

1. Click **Configuration** > **Credentials** > **Create Credential**
2. Fill the **Credential Editor** form with following parameter values:

a. **Internal Credential:**

Parameter	Value
Type	Internal Credential
Name	Display name of credential set (For example, Cisco ISE credentials)
Username	User you have created for SOAR on Cisco Identity Services Engine
Password	Password of the user that you have created for SOAR on Cisco Identity Services Engine.
Private Key	Empty

b. **Credential Store:**

Parameter	Value
Type	External Credential
Name	Name of the credential with pull path of the safe on store.

3. Click **Configuration** > **Integrations** > **Create Integration**.
4. Fill the configuration form with the following parameter values:

Parameter	Value
Name	Display name of Cisco Identity Services Engine integration on SOAR
Type	Cisco Identity Services Engine
Address	Address of the integration (the format must be https://192.168.2.3)
Credential	Name of the credential set you have just created on step 2 (For example, Cisco ISE Credentials)
Trust Invalid SSL Certificates	Select this if Firewall’s certificate is self-signed or is not recognized by browsers
Configuration	You must specify the following configuration parameters. `serverHost =`
Require Approval From	Select user(s) from list to ask her/his approval before executing actions on this integration
Notify	Select user(s) from the list to notify when SOAR performs an action on this integration.

5. Click **Test**. The following pop up will be displayed if your credential and address are valid.
6. Click **Save** to complete integration.

Integration Guide for Cisco Ironport Email Security

Integration Overview

Cisco Ironport Email Security is one of Cisco Ironport products to prevent phishing, business e-mail compromise, ransomeware and spam. This integration has been tested with Cisco Ironport Email Security 11.0.0-264 version.

Integration Capabilities

ArcSight SOAR has the following integration capabilities with Cisco Ironport Email Security:

- Block sender IP/Host
- Block email that includes a keyword
- Block sender email

Use Case: Stopping phishing campaigns

With this integration, SOAR can block emails based on sender, IP address or a keyword while responding to cyber-attacks. Blocking can be either performed automatically within a playbook or manually by an analyst.

Configuration

Prerequisites

Make sure to check the following prerequisites:.

- Access to 22/tcp port as SOAR connects to Cisco Ironport Email Security via SSH.
- A user account for SOAR to connect to Cisco Ironport Email Security.

Configuring Cisco Ironport Email Security

1. To access the **Cisco Inroport Email Security resources**, create a user account with minimum **operator** role.

Configuring SOAR

1. Click **Configuration** > **Credentials** > **Create Credential**.
2. Fill the Credential Editor form with the following parameter values:
   a. **Internal Credential:**

Parameter	Value
Type	Internal Credential
Name	Display name of credential set (For example, Cisco Firepower Management Credentials)
Username	User you have created for SOAR on on Cisco Firepower Management Center
Password	Password of the user that you have created for SOAR on Cisco Firepower Management Center.
Private Key	Empty

   b. **Credential Store:**

Parameter	Value
Type	External Credential
Name	Name of the credential with pull path of the safe on store.

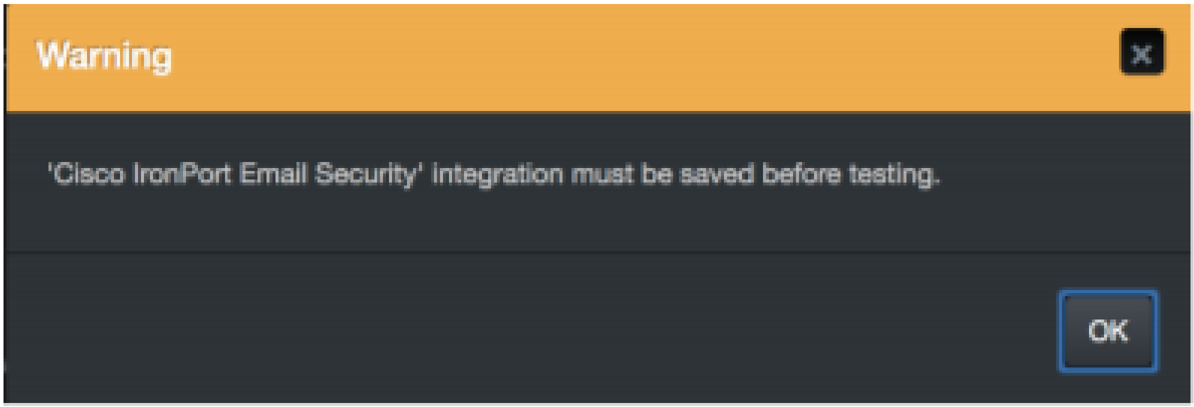
3. Click **Configuration** > **Integrations** > **Create Integration**.
4. Fill the configuration form with the following parameter values:

Parameter	Value
Name	Display name of Cisco Ironport Email Security integration on SOAR
Type	Cisco Ironport Email Security
Address	Address of the integration (the format must be 192.168.200.43)
Credential	Name of the credential set you have just created on step 2 (For example, Cisco Ironport Credentials)
Require Approval From	Select user(s) from list to ask her/his approval before executing actions on this integration
Notify	Select user(s) from the list to notify when SOAR performs an action on this integration.

5. Click **Save** to complete integration.
6. Click **Test** to test the integration.

Additional Notes

- Cisco Ironport Email Security integration on SOAR is an Advanced Action Script, and you can access the content of the default script under **Configuration** > **Customization Library**.
- While defining integration for the first time, you might encounter the following warning message, which is the expected behavior for this type of integration.



'Cisco IronPort Email Security' integration must be saved before testing.

Integration Guide for CrowdStrike Falcon

Integration Overview

CrowdStrike is a cloud based cybersecurity tool that allows organizations to leverage its lightweight agent. The agent is an all-encompassing EDR and antivirus software.

Integration Capabilities

- Isolate Machine
- Unisolate Machine
- Add Comment to Detection
- Update Detection Status
- Assign Detection
- Get IOC Details
- Get Hosts by IOC
- Get Process by IOC
- List Host Vulnerabilities
- Get Host Details

Prerequisites

- ArcSight SOAR connects to https://falcon.crowdstrike.com/login/ APIs through HTTPS. Access to this service is required.
- CrowdStrike requires an API key for access.

Configuration

Configuring CrowdStrike

- CrowdStrike requires a Client ID and Client secret for access.
- Users with the Falcon Administrator role can create a Client ID and Client secret from https://falcon.crowdstrike.com/ after logging in with valid credentials.

Configuring SOAR

1. Click **Configuration** > **Credential** > **Create Credential.**
2. Specify the following parameter values in the **Credential Editor**:

Type	Name	Username	Password	Private Key
Internal credential	Display name of credential set (for example, CrowdStrike Falcon).	Empty	Client ID created on CrowdStrike Falcon	Client Secret for the Client ID created on CrowdStrike Falcon

3. Click **Configuration** > **Integrations** > **Create Integration.**
4. Specify the following parameter values in the **Configuration Form:**

Parameter	Value
Name	Display name of the integration
Type	Advanced Scriptable Device
Address	Address of the integration (the format should be https://api.crowdstrike.com/)

Parameter	Value

Configuration	Specify the following configuration parameters:
	`Specify the following configuration parameters:`
	`# Integration ID of the proxy integration to use when connecting to current integration.`
	`# If not provided, ArcSight SOAR will try to use a direct connection.`
	`#proxy.id=123`
	`# Maximum number of results to return from the API`
	`# If not provided, the integration will gather all results`
	`#max.result.count = 100`

Credential	Credential that has been defined for this integration under **Credential** menu.
Trust Invalid SSL Certificates	Select this if Engine’s certificate is self-signed or not recognized by browsers. Not selected.
Require Approval From	Select user(s) from the list to ask their approval before executing enrichments on this integration.
Notify	Select user(s) from the list to notify when SOAR performs an action on this integration.

5. Select the integration that you have added in the **Integrations** menu.
6. Click **Save** to complete the integration.
7. Click **Test**, an **Integration Successful** message is displayed if the credential and address are valid.

Capabilities

1. Isolate Machine
   Action capability for isolating a machine.
   - Rollback: Yes
   - Duplicate Control: Yes

Input Parameter	Description	Type	Scope Restricted (Yes/No)	Required (Yes/No)
Host	Network address, hostname or agent ID of the machine.	Network Address Computer Name Keyword Unknown	Yes	Yes

Output:

Case Scope

N/A

Human Readable Output

N/A

2. **Unisolate Machine**
   Action capability to unisolate a machine.
   - Rollback: Yes
   - Duplicate Control: Yes

Input Parameter	Description	Type	Scope Restricted (Yes/No)	Required (Yes/No)
Input Parameter	**Description**	**Type**	**Scope Restricted (Yes/No)**	**Required (Yes/No)**
Host	Network address, hostname or agent ID of the machine.	Network Address Computer Name Keyword Unknown	Yes	Yes

Output:

Case Scope

N/A

Human Readable Output

N/A

3. **Add Comment to Detection**
   Action capability for adding a comment to a detection.
   - Rollback: No
   - Duplicate Control: No

Input Parameter	Description	Type	Scope Restricted (Yes/No)	Required (Yes/No)
Detection ID	CrowdStrike Detection ID.	Unknown	Yes	Yes
Comment	Comment added to the detection.	String	No	Yes

Output:

Case Scope

N/A

Human Readable Output

N/A

4. **Update Detection Status**
   Action capability for updating detection status.
   - Rollback: No

- Duplicate Control: No

Input Parameter	Description	Type	Scope Restricted (Yes/No)	Required (Yes/No)
Detection ID	CrowdStrike Detection ID.	Unknown	Yes	Yes
Status	Status from the following drop down menu options: New, In Progress, Closed, True Positive, False Positive, Ignored.	String	No	Yes

Output:

Case Scope

N/A

Human Readable Output

N/A

5. **Assign Detection**
   Action capability for assigning a detection to a user.
   - Rollback: No
   - Duplicate Control: No

Input Parameter	Description	Type	Scope Restricted (Yes/No)	Required(Yes/No)
Detection ID	CrowdStrike Detection ID.	Unknown	Yes	Yes
Email Address	User email	String	No	Yes

Output:

Case Scope

N/A

Human Readable Output

N/A

6. **Get IOC Details**
   Enrichment capability used to get the details of an IOC.

Input Parameter	Description	Type	Scope Restricted (Yes/No)	Required (Yes/No)
Integration	Name of the 3rd party integration.	Integration	N/A	Yes
IOC	SHA256 or MD5 hash value, network address or domain.	Hash Network Address Host URL	Yes	Yes
Do not Use Cache	SOAR does not use cached results if this box is checked.	Boolean	N/A	No

Output:

Case Scope

Action	Type	Category/Value
Set	Scope Item Property	CrowdStrike Severity

Human Readable Output

N/A

7. **Get Hosts by IOC**
Enrichment capability used to retrieve hosts where the IOC has been observed.

Input Parameter	Description	Type	Scope Restricted (Yes/No)	Required (Yes/No)
Integration	Name of the 3rd party integration.	Integration	N/A	Yes
IOC	SHA256 or MD5 hash value, network address or domain.	Hash Network Address Host URL	Yes	Yes
Do not Use Cache	SOAR does not use cached results if this box is checked.	Boolean	N/A	No

Output:

Case Scope

Action	Type	Category/Value
Set	Scope Item/Related	Hostname (Computer Name)

Human Readable Output

N/A

8. **Get Process by IOC**
   Enrichment capability used to retrieve the process name of the IOC on the devices where the IOC has triggered a detection.

Input Parameter	Description	Type	Scope Restricted (Yes/No)	Required (Yes/No)
Integration	Name of the 3rd party integration.	Integration	N/A	Yes
Hash	SHA256 or MD5 hash value, network address or domain.	Hash	Yes	Yes
Host	Network address, hostname or agent ID of the machine.	Network Address Computer Name Keyword Unknown	Yes	No
Do not Use Cache	SOAR does not use cached results if this box is checked.	Boolean	N/A	No

Output:

Case Scope

Action	**Type**	**Category/Value**
Set	Scope Item Property	CrowdStrike Process Name

Human Readable Output

N/A

9. **List Host Vulnerabilities**
   Enrichment capability used to list the vulnerabilities on a host.

Input Parameter	Description	Type	Scope Restricted (Yes/No)	Required (Yes/No)
Integration	Name of the 3rd party integration.	Integration	N/A	Yes
Status	Status from the following options: All, Open, Closed, Reopen, Expired	String	No	Yes

Input Parameter	Description	Type	Scope Restricted (Yes/No)	Required (Yes/No)
Host	Network address, hostname or agent ID of the machine.	Network Address Computer Name Keyword Unknown	Yes	No
Do not Use Cache	SOAR does not use cached results if this box is checked.	Boolean	N/A	No

Output:

Case Scope

Action	Type	Category/Value
None	None	None

Human Readable Output

N/A

10. **Get Host Details**

Enrchment capability used to get the details of a host.

Input Parameter	Description	Type	Scope Restricted (Yes/No)	Required (Yes/No)
Integration	Name of the 3rd party integration.	Integration	N/A	Yes
Host	Network address, hostname or agent ID of the machine.	Network Address Computer Name Keyword Unknown	Yes	No
Do not use cache	SOAR does not use cached results if this box is checked.	Boolean	N/A	No

Output:

Case Scope

Action	Type	Category/Value
Set	Scope Item/Related	Hostname (Computer Name)

Human Readable Output

N/A

Integration Guide for Cyberark Central Credential Provider

Integration Overview

CyberArk Application Identity Manager is a central credential provider that stores passwords and other credentials used by systems, applications, and scripts by eliminating embedded credentials. SOAR might use encrypted credentials stored on its database and CyberArk AIM vault to connect to other systems and applications while investigating and responding to an incident.

Configuration

Prerequisites

- Make sure to check the access to CyberArk Application Identity Manager API as SOAR connects to it through HTTPS.
- Define a new application for SOAR on CyberArk's PVWA (Password Vault Web Access) Interface.

Configuring CyberArk Application Identity Manager

1. Log in to **Password Vault Web Access** interface as a user with **Manage Users** authorization permission.
2. Navigate to **Applications**and click **Add Application**.
3. Fill the Add Application form with the following parameter values:

Parameter	Value
Name	Specify SOAR as the unique name (ID) of the application.
Description	Specify a short description of the application (For example, Application for Automated Threat Analysis&Response)
Business Owner	Specify contact information about the application's Business owner
Location	Specify the location of the application in the Vault hierarchy. **Note:** If the location is not selected, the application gets added to the user location who creates it.

4. To specify unlimited number of machines and Windows OS users for a single application, select **Allow extended authentication restrictions**.
5. Navigate to **Allowed Machines** and specify the application's Allowed Machines.

> **Note:** This information enables the Credential Provider to check only applications that run from specified machines can access their passwords.

Configuring SOAR

1. Click **Configuration** > **Credentials** > **Create Credential.**
2. Fill the **Credential Editor** form with the following parameter values:
   a. **Internal Credential**:

Parameter	Value
Type	Internal Credential
Name	Display name of credential set (For example, CyberArk AIM Credential)
Username	Application Name you have created on CyberArk Password Vault Web Access
Password	Empty
Private Key	Empty

3. Click **Configurations** > **Integrations** > **Create Integration**.
4. Fill the **Configuration** form with the following details:

Parameter	Value
Name	Display name of CyberArk AIM integration on SOAR
Type	CyberArk Central Credential Provider
Address	Address of the integration (the format must be https://192.168.1.1:1234 or https://abc.example.com:1234)
Credential	Name of the credential set you have just created on step 2 (For example, CyberArk AIM Credential).
Trust Invalid SSL Certificates	Select this if device's certificate is self-signed or is not recognized by browsers
Require Approval From	Select user(s) from list to ask her/his approval before executing actions on this integration
Notify	Select user(s) from the list to notify when SOAR performs an action on this integration

5. Click **Save** to complete integration.

6. Click **Test** to test the integration.

Additional Notes

Following are the steps to use CyberArk AIM as central credential store:

1. Navigate to **Configuraiton** > **Parameters**.
2. Modify the **ExternalCredentialStoreIntegrationID** parameter value to ID of the CyberArk AIM integration that you have defined in the above procedure.
3. To define the new name for a credential:
   a. Navigate to **Configuration** > **Credentials.**
   b. Select **External Credential** from the drop down and it automatically uses CyberArk AIM integration.

> **Note:** The name of the credential must be the same as the account name defined in CyberArk. Make sure to follow the naming convention of SOAR as Safe and Folder separated by **|** character. Else, SOAR automatically searches all Safes for the given credential name.

Integration Guide for CYMRU Malware Hash Registry Query

Integration Overview

CYMRU is a look-up service that checks if the hash code is malware. If the hashcode belongs to malware, then the latest timestamp of the malware and the rough antivirus package detection rate is returned. ArcSight SOAR uses CYMRU Malware Hash Registry Query to query computed MD5 or SHA-1 hash of a file to check for malware.

Integration Capabilities

Action

- Hash registry query

Configuration

Configuring CYMRU Malware Hash Registry Query

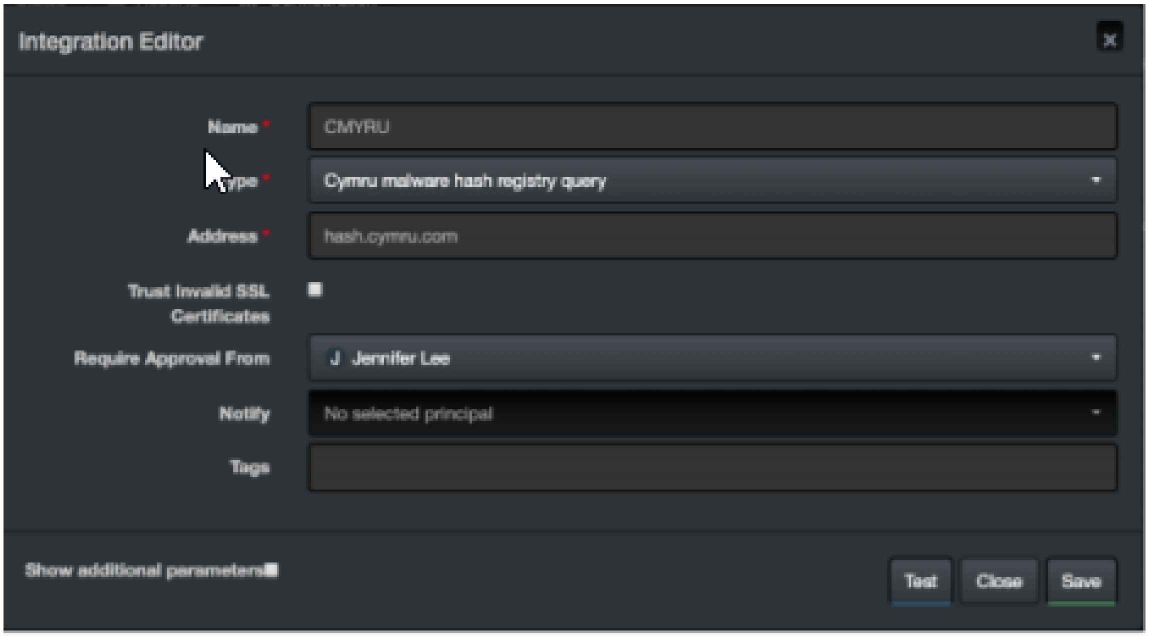
1. Make sure SOAR has access to CYMRU Malware Hash Registry Query integration's API as it connects to it through HTTPS.

Configuring SOAR

1. To create the integration, navigate to **Configuration** > **Integrations**.
2. Specify the following parameter values in the **Integrations Editor**:

Parameter	Value
Name	Display name of the integration
Type	CYMRU malware hash registry query
Address	Address of the integration (in the following format http[s]://malware.cymru.hash.com)

Parameter	Value
Trust Invalid SSL Certificates	Select this if Engine’s certificate is self-signed or is not recognized by browsers.
Require Approval From	Select users from the list who can provide approval before executing actions on this integration
Notify	Select users from the list to notify when SOAR performs an action on this integration.



Integration Editor

Name * CMYRU

Type * Cymru malware hash registry query

Address * hash.cymru.com

Trust Invalid SSL Certificates □

Require Approval From J Jennifer Lee

Notify No selected principal

Tags

Show additional parameters □

3. Click **Test** to test the integration.
4. Click **Save** to complete the integration.

CyberRes Galaxy Threat Acclerator

Integration Overview

CyberRes Galaxy Threat Accelerator Program (GTAP) Plus is a Threat Intelligence feed, available as a subscription service from Micro Focus CyberRes. Please talk to your Sales Representative to request a 60-day evaluation license or purchase an annual subscription. The license key provided will be the MISP API key that will be used in the CyberRes Galaxy Threat Accelerator (GTAP) Plus integration.

Integration Capabilities

- Domain Reputation
- File Reputation
- IP Reputation
- URL Reputation

Prerequisites

ArcSight SOAR connects to “https://threatfeed.cyberres.com” APIs through HTTPS. Access to this service is required.

Configuring CyberRes Galaxy Threat Accelerator

You need to get the API key from CyberRes.

Configuring SOAR

1. Click **Configuration** > **Integration** > **Upload Plugin** and upload the plugin zip file.
2. Edit the configuration to modify the name in the Configuration Form.
3. Click **Configuration** > **Credentials** and edit the credential .

Type	Internal credential
Name	Display name of credential set (i.e CyberRes Galaxy Threat Accelerator Credentials)
Username	Empty
Password	Empty
Private Key	API key

4. Click **Configuration** > **Scope Item Property** and Create 2 new scope item property definitions with the following properties:

Property Visible Name	Data Type
CyberRes Galaxy Domain Reputation	TEXT
CyberRes Galaxy File Reputation	TEXT
CyberRes GalaxyIP Reputation	TEXT
CyberRes Galaxy URL Reputation	TEXT

Capabilities

1. **Domain Reputation**

   Enrichment capability for retrieving details of domain reputation.

Input Parameter	Description	Type	Scope Restricted (Yes/No)	Required (Yes/No)
Integration	Name of the third party integration	Integration	N/A	Yes
Domain	Domain to be queried from CyberRes Galaxy Threat Accelerator	Host	Yes	Yes
Do not use cache	SOAR does not use cached results if this box is checked.	Boolean	N/A	No

   Output:

   Case Scope

Action	Type	Category/value
Set	Scope Item Property	CyberRes Galaxy Domain Reputation

   Human Readable Output

2. **File Reputation**

   Enrichment capability for retrieving details of file hash and reputation.

Input Parameter	Description	Type	Scope Restricted (Yes/No)	Required (Yes/No)
Integration	Name of the third party integration	Integration	N/A	Yes
Hash	Hash to be queried from CyberRes Galaxy Threat Accelerator	Host	Yes	Yes
Do not use cache	SOAR does not use cached results if this box is checked.	Boolean	N/A	No

   Output:

   Case Scope:

Action	Type	Category/value
Set	Scope Item Property	CyberRes Galaxy File Reputation

   Human Readable Output

3. **IP Reputation**

Enrichment capability for retrieving IP Address details and reputation.

Input Parameter	Description	Type	Scope Restricted (Yes/No)	Required (Yes/No)
Integration	Name of the third party integration	Integration	N/A	Yes
IP Address	IP Address to be queried from CyberRes Galaxy Threat Accelerator	Network Address	Yes	Yes
Do not use cache	SOAR does not use cached results if this box is checked.	Boolean	N/A	No

Output:

Case Scope

Action	Type	Category/value
Set	Scope Item Property	CyberRes Galaxy IP Reputation

Human Readable Output

4. **URL Reputation**

Enrichment capability for retrieving URL details and reputation.

Input Parameter	Description	Type	Scope Restricted (Yes/No)	Required (Yes/No)
Integration	Name of the third party integration	Integration	N/A	Yes
URL	URL to be queried from CyberRes Galaxy Threat Accelerator	URL	Yes	Yes
Do not use cache	SOAR does not use cached results if this box is checked.	Boolean	N/A	No

Output:

Case Scope

Action	Type	Category/value
Set	Scope Item Property	CyberRes Galaxy URL Reputation

Human Readable Output

Integration Guide for CyThreat Threat Intelligence

Integration Overview

CyThreat provides cyber threat intelligence data. These data feeds are enriched with subject and event-based reports as compiled by STM analysts.

CyThreat collects data from various open and commercial sources (deep/dark web, social media, blogs, forums, etc.) automatically. This allows the detection of the activities of the threat actors, proactive prevention of cyber-attacks before they occur and also allows applications to take preventive measures.

SOAR can seek benefit from CyThreat intelligence from both Integration and as Alert Source.

Integration Capabilities

ArcSight SOAR has the following integration capabilities with CyThreat Threat Intelligence:

- Domain Query
- Hash Query
- IP Query

Alert Source Capability

ArcSight SOAR has the following alert source capability with CyThreat Threat Intelligence:

- Consume Threat Intelligence feeds from CyThreat(default)

Prerequisites

- You must have access to HTTPS as the ArcSight SOAR connects to CyThreat API through this service.
- API token and password to connect to CyThreat Threat Intelligence API.

Configuration

Configuring SOAR

1. Click **Configuration** > **Credential** > **Create Credential**.
2. Specify the following parameters in the **Credential Editor** form:

Type	**Name**	**Username**	**Password**	**Private Key**
Internal credential	Display name of credential set (for example, CyThreat Credentials).	Empty	API password that you have received from CyThreat service.	API token that you have received from the CyThreat service.

3. Click **Configuration** > **Integrations** > **Create Integration**.
4. Specify the following parameter values in the **Configuration Form.**

<table>
<tr><th>Parameter</th><th>Value</th></tr>
<tr><td><b>Name</b></td><td>Display name of the CyThreart integration.</td></tr>
<tr><td><b>Type</b></td><td>CyThreat</td></tr>
<tr><td><b>Address</b></td><td>Address of the integration (the format should be https://cti.stm.com.tr).</td></tr>
<tr><td><b>Configuration</b></td><td>Specify the following configuration parameters:
<table>
<tr><td><b>proxy.id</b></td><td><b>ID of the Proxy integration if you access https://cti.stm.com.tr through a web proxy device. For example: proxy.id = 12345</b> .</td></tr>
</table></td></tr>
<tr><td><b>Credential</b></td><td>Credential that has been defined for this integration under the <b>Credentials</b> menu.</td></tr>
<tr><td><b>Trust Invalid SSL Certificates</b></td><td>Select this if web server’s certificate is self-signed or is not recognized by browsers.
The SSL certificate of CyThreat service is going to known by SOAR, so you do not need to check this box.</td></tr>
<tr><td><b>Require Approval From</b></td><td>Select user(s) from list to ask the approval before executing actions on this integration.</td></tr>
<tr><td><b>Notify</b></td><td>Select user(s) from the list to notify when SOAR performs an action on this integration.</td></tr>
</table>

5. Click **Save** to save the integration definition.
6. Navigate to **Configuration>Customization Library** and edit **CyThreat Advanced Action Script Default Script Template**.
7. Select the integration that you have added to **Integrations** menu.
8. Click **Save** to complete the integration.

> **Note:** Steps 7-9 are required only for Advanced Action Script Default Templates.

9. Navigate to **Configuration** > **Integrations** > **CyThreat integration**.
10. Click **Test**. **Integration Successful** message is displayed if the credential and address are valid.

Configuring CyThreat as an Alert Source

1. Navigate to **Configuration** > **Alert Source** > **Create Alert Source Configuration**.
2. Select **CyThreat Threat Intelligence** and specify the following parameters in the **Alert Source Configuration Editor**:

Parameter	Value
Name	Display name of the CyThreart alert source.
Type	CyThreat Threat Intelligence
Address	https://cti.stm.com.tr/api/
Alert Severities	Arrangement table of severity mapping.
enable.ip.risk.source	Uncomment and change to true to consume IP Source.
enable.domain.risk.source	Uncomment and change to true to consume Domain Source.
enable.hash.risk.source	Uncomment and change to true to consume Hash Source.
enable.usom.blacklist.source	Uncomment and change to true to consume Usom Blacklist Source.
ip.min.risk	SOAR is not going to create case if risk level of the incoming alarm is below of the value.
domain.min.risk	SOAR is not going to create case if risk level of the incoming alarm is below of the value.
hash.min.risk	SOAR is not going to create case if risk level of the incoming alarm is below of the value.
proxy.id	ID of the Proxy integration if you access https://cti.stm.com.tr through a web proxy device. For Example: proxy.id = 12345.
days.to.look.back.at.initial.sync	How far (in days) into the past SOAR will look for remote incidents at the initial sync task.
Credential	Name of the credential set created on step 2 Configuring SOAR part (For example, CyThreat Credentials).
Visible Alert Fields	Field names from the alert if you want to show them on case.
Trust Invalid SSL Certificates	The SSL certificate of CyThreat service is going to known by SOAR, so you do not need to check this box.

3. Click **Test**. The **Alert Source tested successfully** message is displayed if your credentials are valid.
4. Click **Save**.

Integration Capabilities

1. **Domain Query**

   Enrichment capability for retrieving domain information.

   The following table presents the **Domain Query** action capability details:

Input Parameter	Description	Type	Scope Restricted (Yes/ No)	Required (Yes/ No)
Integration	Name of the third party integration.	Integration	N/A	Yes
Domain	Domain that you want to query.	Host	Yes	No

   Output:

   Case Scope: N/A

   Human Readable Output: Yes

2. **Hash Query**

   Enrichment capability for retrieving hash information.

   The following table presents the **Hash Query** action capability details:

Input Parameter	Description	Type	Scope Restricted (Yes/ No)	Required (Yes/ No)
Integration	Name of the third party integration.	Integration	N/A	Yes
Hash	Hash value that you want to query.	Hash	Yes	Yes

   Output:

   Case Scope: N/A

   Human Readable Output: Yes

3. **IP Query**

   Enrichment capability for retrieving domain information.

   The following table presents the **IP Query** action capability details:

Input Parameter	Description	Type	Scope Restricted (Yes/ No)	Required (Yes/ No)
Integration	Name of the third party integration.	Integration	N/A	Yes
IP	Ip that you want to query.	Host	Network Address	Yes

Output:

Case Scope: N/A

Human Readable Output: Yes

Integration Guide for DomainTools

Integration Overview

DomainTools is a leading provider of Whois and other DNS profile data for threat intelligence enrichment. It is a part of Datacenter Group (DCL and SA). DomainTools data helps security analysts investigate malicious activity on their networks.

Integration Capabilities

- Get Domain Profile
- Get Domain Reputation
- Get Domain Risk
- Domain Hosting History
- Recent Domain
- Reverse IP Lookup
- Reverse IP Whois
- Whois Lookup
- Iris Investigate

Configuration

Configuring DomainTools

- You must have access to HTTPS as the ArcSight SOAR connects to DomainTools API through this service.

Configuring SOAR

1. Click **Configuration** > **Credential** > **Create Credential**.
2. Specify the following parameter values in the **Credential Editor**:

Type	Name	Username	Password	Private Key
Internal Credential	Display name of credential set (for example, DomainTools Credentials)	Valid API username	Valid API Key to authenticate the DomainTools APIs	N/A

3. Click **Configuration** > **Integrations** > **Create Integration**.
4. Specify the following parameter values in the **Configuration Form**:

Parameter	Value
Name	Display name of the integration
Type	DomainTools
Address	Address of the integration (https://api.domaintools.com)
Configuration	Specify the following configuration parameter values: proxy.id ID of the Proxy integration if you access DomainTools through a web proxy device. For example, proxy.id = 12345
Credential	Credential that has been defined for this integration under the Credential menu
Trust Invalid SSL Certificates	Select this option if the web server's certificate is self-signed or if it is not recognized by browsers
Require Approval From	Select user(s) from list who can provide approval before executing actions on this integration
Notify	Select user(s) from the list who can provide approval when SOAR performs an action on this integration

5. Click **Save** to save the integration definition.
6. Navigate to **Configuration** > **Customization Library** and edit **DomainTools Advanced Action Script Default Template.**
7. Select the integration that you have added to **Integrations** menu.
8. Click **Save** to complete the integration
9. Click **Test**, an **Integration Successful** message is displayed if the credential and address are valid.

Capabilities

1. **Get Domain Profile**

   Enrichment capability for retrieving the basic domain name registration details and a preview of additional data available from DomainTools membership and report products.

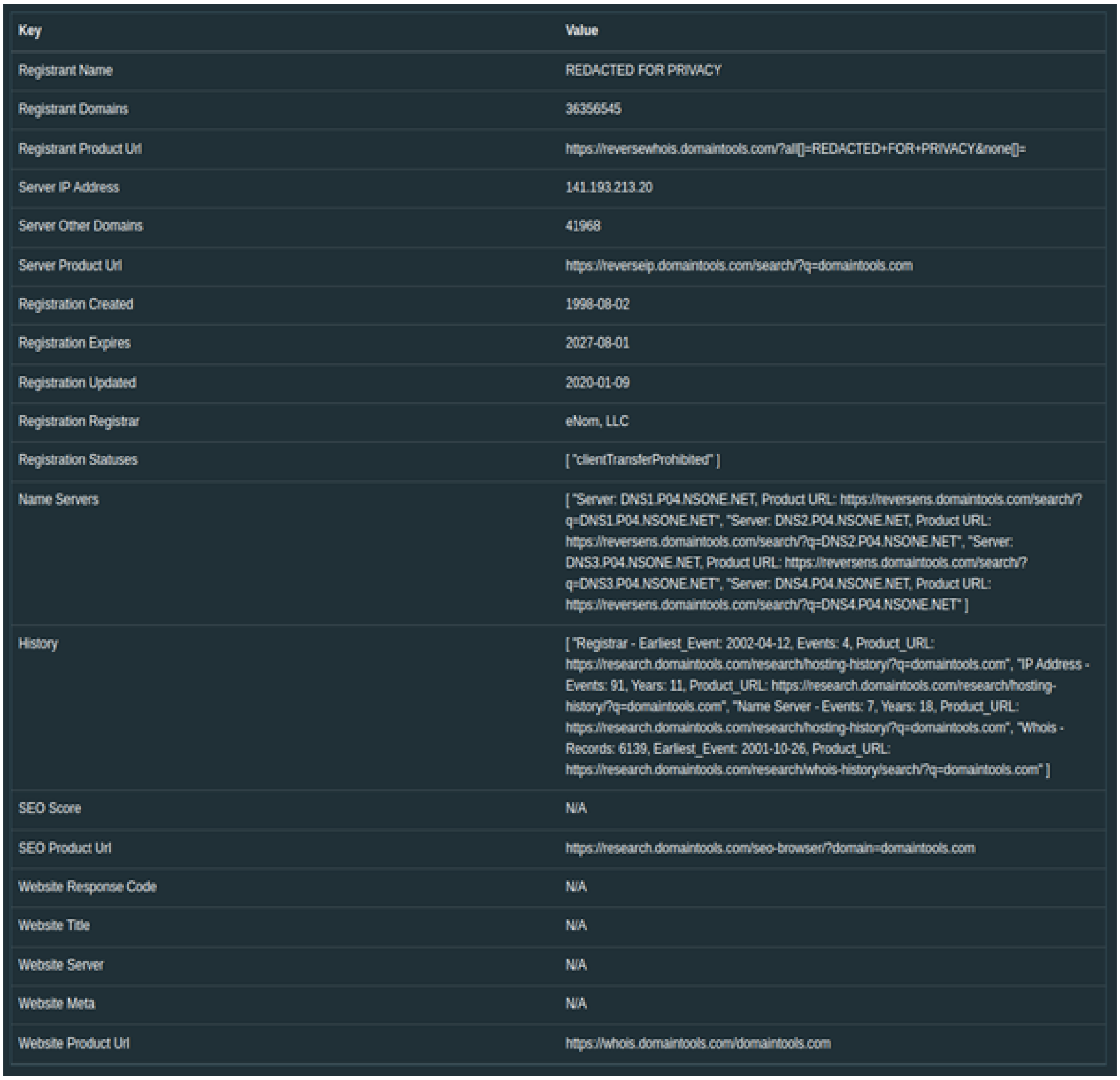
Input Parameter	Description	Type	Scope Restricted(Yes/No)	Required (Yes/No)
Integration	Name of the third-party integration	Integration	N/A	Yes
Domain	Domain name to be queried	HOST UNKNOWN KEYWORD	Yes	Yes

Output:

Case Scope

N/A

Human Readable Output:



Key	Value
Registrant Name	REDACTED FOR PRIVACY
Registrant Domains	36356545
Registrant Product Url	https://reversewhois.domaintools.com/?all[]=REDACTED+FOR+PRIVACY&none[]=
Server IP Address	141.193.213.20
Server Other Domains	41968
Server Product Url	https://reverseip.domaintools.com/search/?q=domaintools.com
Registration Created	1998-08-02
Registration Expires	2027-08-01
Registration Updated	2020-01-09
Registration Registrar	eNom, LLC
Registration Statuses	["clientTransferProhibited"]
Name Servers	["Server: DNS1.P04.NSONE.NET, Product URL: https://reversens.domaintools.com/search/?q=DNS1.P04.NSONE.NET", "Server: DNS2.P04.NSONE.NET, Product URL: https://reversens.domaintools.com/search/?q=DNS2.P04.NSONE.NET", "Server: DNS3.P04.NSONE.NET, Product URL: https://reversens.domaintools.com/search/?q=DNS3.P04.NSONE.NET", "Server: DNS4.P04.NSONE.NET, Product URL: https://reversens.domaintools.com/search/?q=DNS4.P04.NSONE.NET"]
History	["Registrar - Earliest_Event: 2002-04-12, Events: 4, Product_URL: https://research.domaintools.com/research/hosting-history/?q=domaintools.com", "IP Address - Events: 91, Years: 11, Product_URL: https://research.domaintools.com/research/hosting-history/?q=domaintools.com", "Name Server - Events: 7, Years: 18, Product_URL: https://research.domaintools.com/research/hosting-history/?q=domaintools.com", "Whois - Records: 6139, Earliest_Event: 2001-10-26, Product_URL: https://research.domaintools.com/research/whois-history/search/?q=domaintools.com"]
SEO Score	N/A
SEO Product Url	https://research.domaintools.com/seo-browser/?domain=domaintools.com
Website Response Code	N/A
Website Title	N/A
Website Server	N/A
Website Meta	N/A
Website Product Url	https://whois.domaintools.com/domaintools.com

2. **Get Domain Reputation**

Enrichment capability for retrieving domain details and reputation.

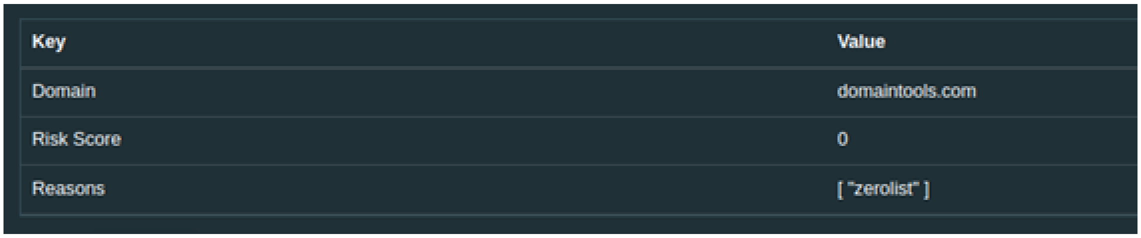
Input Parameter	Description	Type	Scope Restricted (Yes/No)	Required (Yes/No)
Integration	Name of the third-party integration	Integration	N/A	Yes
Domain	Domain name to be queried for which the risk score is desired	HOST, UNKNOWN, KEYWORD	Yes	Yes

Output:

Case Scope:

Action	Type	Category/Value
Set	Scope item Property	Risk Score

Human Readable Output:



Key	Value
Domain	domaintools.com
Risk Score	0
Reasons	["zerolist"]

3. **Get Domain Risk**

   Enrichment capability for deeper investigation of individual domains and to retrieve the risk score.

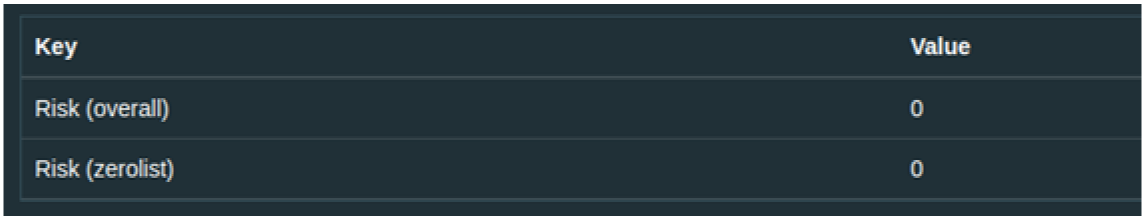
Input Parameter	Description	Type	Scope Restricted (Yes/No)	Required (Yes/No)
Integration	Name of the third-party integration	Integration	N/A	Yes
Domain	Domain name to be queried for which the risk score is desired	HOST, UNKNOWN, KEYWORD	Yes	Yes

Output:

Case Scope

Action	Type	Category/Value
Set	Scope item Property	Risk Score

Human Readable Output:



Key	Value
Risk (overall)	0
Risk (zerolist)	0

4. **Domain Hosting History**

   Enrichment capability for retrieving a list of changes that have occurred in a Domain Name’s registrar, IP address, and name servers. IP and name server's events include the value before and after the change and indicate the type of action that triggered the event.

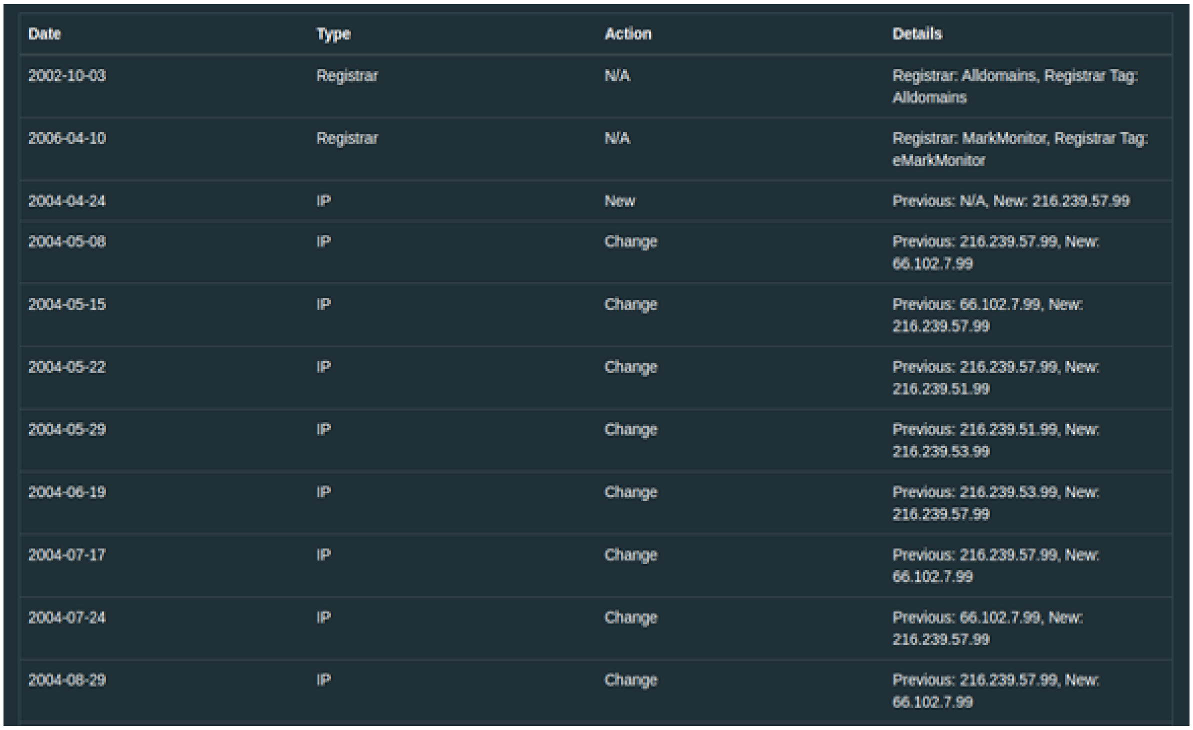
Input Parameter	Description	Type	Scope Restricted (Yes/No)	Required (Yes/No)
Integration	Name of the third-party integration	Integration	N/A	Yes
Domain	Domain name to be queried to get hosting history	HOST, UNKNOWN, KEYWORD	Yes	Yes

Output:

Case Scope

N/A

Human Readable Output:



Date	Type	Action	Details
2002-10-03	Registrar	N/A	Registrar: Alldomains, Registrar Tag: Alldomains
2006-04-10	Registrar	N/A	Registrar: MarkMonitor, Registrar Tag: eMarkMonitor
2004-04-24	IP	New	Previous: N/A, New: 216.239.57.99
2004-05-08	IP	Change	Previous: 216.239.57.99, New: 66.102.7.99
2004-05-15	IP	Change	Previous: 66.102.7.99, New: 216.239.57.99
2004-05-22	IP	Change	Previous: 216.239.57.99, New: 216.239.51.99
2004-05-29	IP	Change	Previous: 216.239.51.99, New: 216.239.53.99
2004-06-19	IP	Change	Previous: 216.239.53.99, New: 216.239.57.99
2004-07-17	IP	Change	Previous: 216.239.57.99, New: 66.102.7.99
2004-07-24	IP	Change	Previous: 66.102.7.99, New: 216.239.57.99
2004-08-29	IP	Change	Previous: 216.239.57.99, New: 66.102.7.99

5. **Recent Domain**

   Enrichment capability to search for domain names that match your specific search string. Unlike Domain suggestions, Domain Search finds currently registered or previously registered domain names that are either currently registered or have been registered in the past under one of the major gTLDs (.com, .net, .org, .info, .us, or .biz) many countries code TLDs, or the new gTLDs.

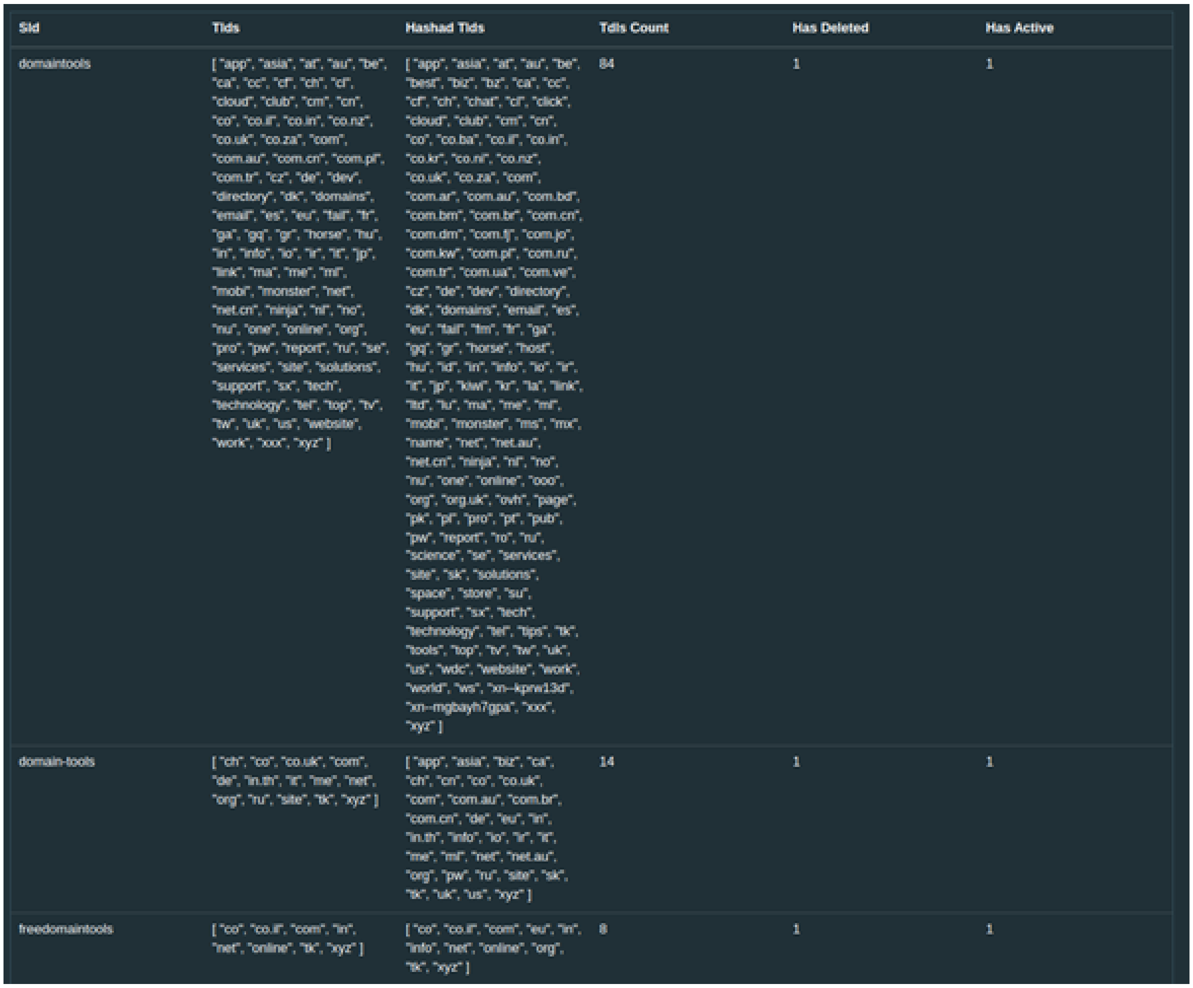
Input Parameter	Description	Type	Scope Restricted (Yes/No)	Required (Yes/No)
Integration	Name of the third-party integration	Integration	N/A	Yes
Query	Query string for the search	Host Unkown Keyword	Yes	Yes

Output:

Case Scope

N/A

Human Readable Output:



Sld	Tlds	Hashad Tlds	Tdls Count	Has Deleted	Has Active
domaintools	["app", "asia", "at", "au", "be", "ca", "cc", "cf", "ch", "cl", "cloud", "club", "cm", "cn", "co", "co.il", "co.in", "co.nz", "co.uk", "co.za", "com", "com.au", "com.cn", "com.pl", "com.tr", "cz", "de", "dev", "directory", "dk", "domains", "email", "es", "eu", "fail", "fr", "ga", "gq", "gr", "horse", "hu", "in", "info", "io", "ir", "it", "jp", "link", "ma", "me", "ml", "mobi", "monster", "net", "net.cn", "ninja", "nl", "no", "nu", "one", "online", "org", "pro", "pw", "report", "ru", "se", "services", "site", "solutions", "support", "sx", "tech", "technology", "tel", "top", "tv", "tw", "uk", "us", "website", "work", "xxx", "xyz"]	["app", "asia", "at", "au", "be", "best", "biz", "bz", "ca", "cc", "cf", "ch", "chat", "cl", "click", "cloud", "club", "cm", "cn", "co", "co.ba", "co.il", "co.in", "co.kr", "co.nl", "co.nz", "co.uk", "co.za", "com", "com.ar", "com.au", "com.bd", "com.bm", "com.br", "com.cn", "com.dm", "com.fj", "com.jo", "com.kw", "com.pl", "com.ru", "com.tr", "com.ua", "com.ve", "cz", "de", "dev", "directory", "dk", "domains", "email", "es", "eu", "fail", "fm", "fr", "ga", "gq", "gr", "horse", "host", "hu", "id", "in", "info", "io", "ir", "it", "jp", "kiwi", "kr", "la", "link", "ltd", "lu", "ma", "me", "ml", "mobi", "monster", "ms", "mx", "name", "net", "net.au", "net.cn", "ninja", "nl", "no", "nu", "one", "online", "ooo", "org", "org.uk", "ovh", "page", "pk", "pl", "pro", "pt", "pub", "pw", "report", "ro", "ru", "science", "se", "services", "site", "sk", "solutions", "space", "store", "su", "support", "sx", "tech", "technology", "tel", "tips", "tk", "tools", "top", "tv", "tw", "uk", "us", "wdc", "website", "work", "world", "ws", "xn--kprw13d", "xn--mgbayh7gpa", "xxx", "xyz"]	84	1	1
domain-tools	["ch", "co", "co.uk", "com", "de", "in.th", "it", "me", "net", "org", "ru", "site", "tk", "xyz"]	["app", "asia", "biz", "ca", "ch", "cn", "co", "co.uk", "com", "com.au", "com.br", "com.cn", "de", "eu", "in", "in.th", "info", "io", "ir", "it", "me", "ml", "net", "net.au", "org", "pw", "ru", "site", "sk", "tk", "uk", "us", "xyz"]	14	1	1
freedomaintools	["co", "co.il", "com", "in", "net", "online", "tk", "xyz"]	["co", "co.il", "com", "eu", "in", "info", "net", "online", "org", "tk", "xyz"]	8	1	1

6. **Reverse IP Lookup**

   Enrichment capability to retrieve a list of domain names that share the same Internet host (I.e., the same IP address).

The users can request an IP address or a domain name. It is recommended to provide a domain name, and if a domain name is provided the system would return a list of all domains that share the same IP address.

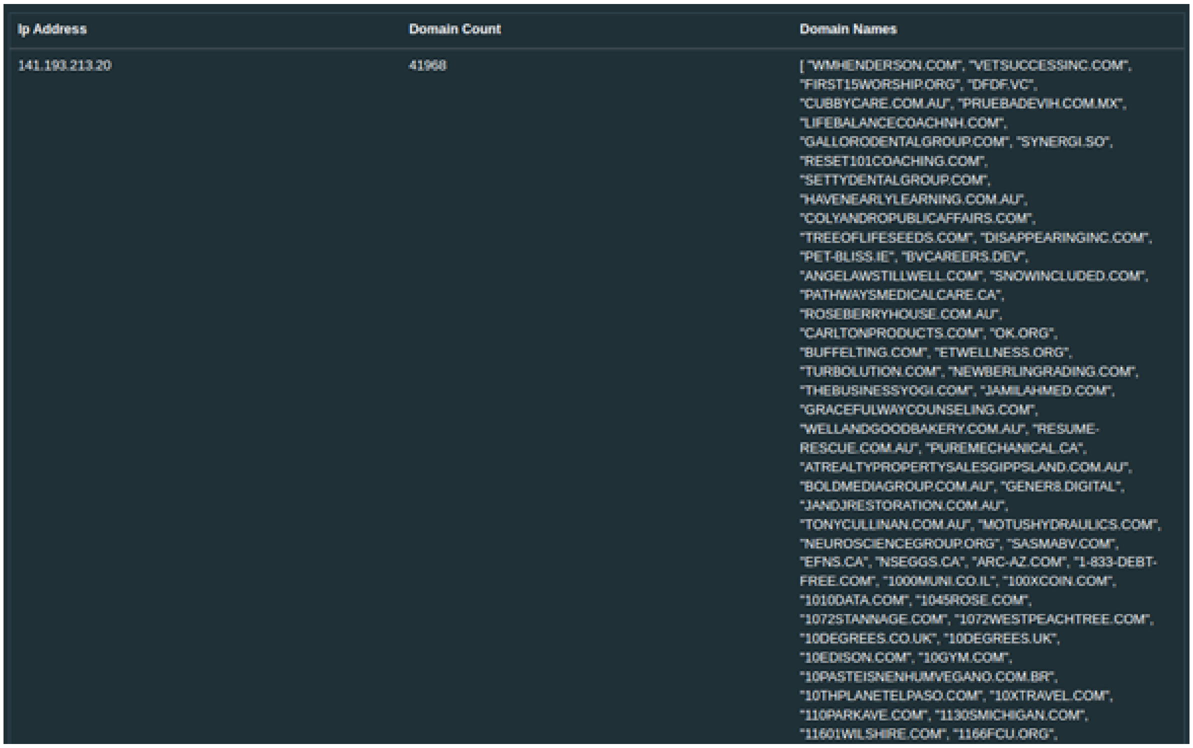
Input Parameter	Description	Type	Scope Restricted (Yes/No)	Required (Yes/No)
Integration	Name of the third-party integration	Integration	N/A	Yes
Domain	Domain name to be queried for which the risk score is desired	HOST UNKNOWN KEYWORD	Yes	Yes

Output:

Case Scope

N/A

Human Readable Output:



Ip Address	Domain Count	Domain Names
141.193.213.20	41968	["WMHENDERSON.COM", "VETSUCCESSINC.COM", "FIRST15WORSHIP.ORG", "DFDF.VC", "CUBBYCARE.COM.AU", "PRUEBADEVIH.COM.MX", "LIFEBALANCECOACHNH.COM", "GALLORODENTALGROUP.COM", "SYNERGI.SO", "RESET101COACHING.COM", "SETTYDENTALGROUP.COM", "HAVENEARLYLEARNING.COM.AU", "COLYANDROPUBLICAFFAIRS.COM", "TREEOFLIFESEEDS.COM", "DISAPPEARINGINC.COM", "PET-BLISS.IE", "BVCAREERS.DEV", "ANGELAWSTILLWELL.COM", "SNOWINCLUDED.COM", "PATHWAYSMEDICALCARE.CA", "ROSEBERRYHOUSE.COM.AU", "CARLTONPRODUCTS.COM", "OK.ORG", "BUFFELTING.COM", "ETWELLNESS.ORG", "TURBOLUTION.COM", "NEWBERLINGRADING.COM", "THEBUSINESSYOGI.COM", "JAMILAHMED.COM", "GRACEFULWAYCOUNSELING.COM", "WELLANDGOODBAKERY.COM.AU", "RESUME-RESCUE.COM.AU", "PUREMECHANICAL.CA", "ATREALTYPROPERTYSALESGIPPSLAND.COM.AU", "BOLDMEDIAGROUP.COM.AU", "GENER8.DIGITAL", "JANDJRESTORATION.COM.AU", "TONYCULLINAN.COM.AU", "MOTUSHYDRAULICS.COM", "NEUROSCIENCEGROUP.ORG", "SASMABV.COM", "EFNS.CA", "NSEGGS.CA", "ARC-AZ.COM", "1-833-DEBT-FREE.COM", "1000MUNI.CO.IL", "100XCOIN.COM", "1010DATA.COM", "1045ROSE.COM", "1072STANNAGE.COM", "1072WESTPEACHTREE.COM", "10DEGREES.CO.UK", "10DEGREES.UK", "10EDISON.COM", "10GYM.COM", "10PASTEISNENHUMVEGANO.COM.BR", "10THPLANETELPASO.COM", "10XTRAVEL.COM", "110PARKAVE.COM", "1130SMICHIGAN.COM", "11601WILSHIRE.COM", "1166FCU.ORG",

7. **Reverse IP Whois**

   Enrichment capability to retrieve a list of IP ranges that are owned by an organization.

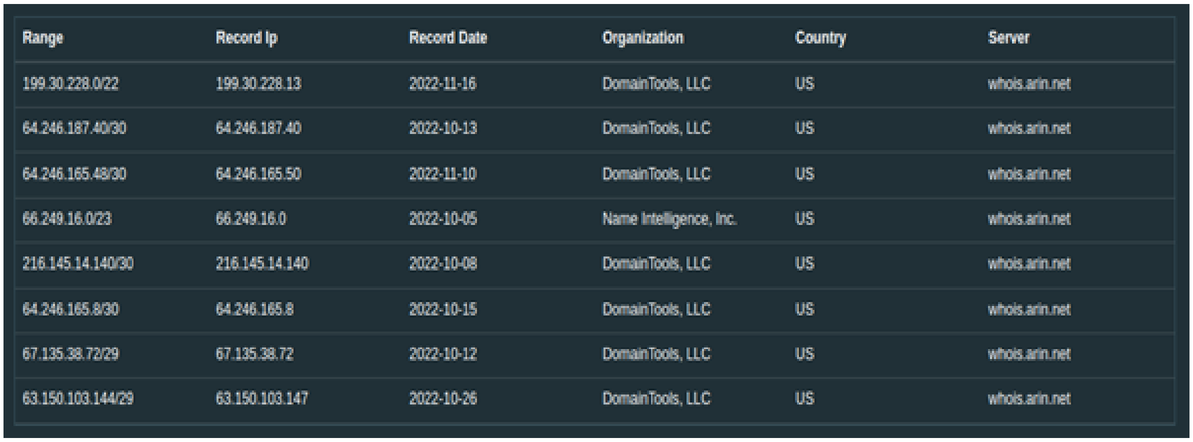
Input Parameter	Description	Type	Scope Restricted (Yes/No)	Required (Yes/No)
Integration	Name of the third-party integration	Integration	N/A	Yes
Query	Name of the organization to be queried	String	Yes	Yes

Output:

Case Scope

N/A

Human Readable Output:



Range	Record Ip	Record Date	Organization	Country	Server
199.30.228.0/22	199.30.228.13	2022-11-16	DomainTools, LLC	US	whois.arin.net
64.246.187.40/30	64.246.187.40	2022-10-13	DomainTools, LLC	US	whois.arin.net
64.246.165.48/30	64.246.165.50	2022-11-10	DomainTools, LLC	US	whois.arin.net
66.249.16.0/23	66.249.16.0	2022-10-05	Name Intelligence, Inc.	US	whois.arin.net
216.145.14.140/30	216.145.14.140	2022-10-08	DomainTools, LLC	US	whois.arin.net
64.246.165.8/30	64.246.165.8	2022-10-15	DomainTools, LLC	US	whois.arin.net
67.135.38.72/29	67.135.38.72	2022-10-12	DomainTools, LLC	US	whois.arin.net
63.150.103.144/29	63.150.103.147	2022-10-26	DomainTools, LLC	US	whois.arin.net

8. **Whois Lookup**

Enrichment capability to retrieve the ownership record for a domain name or IP address with basic registration details.

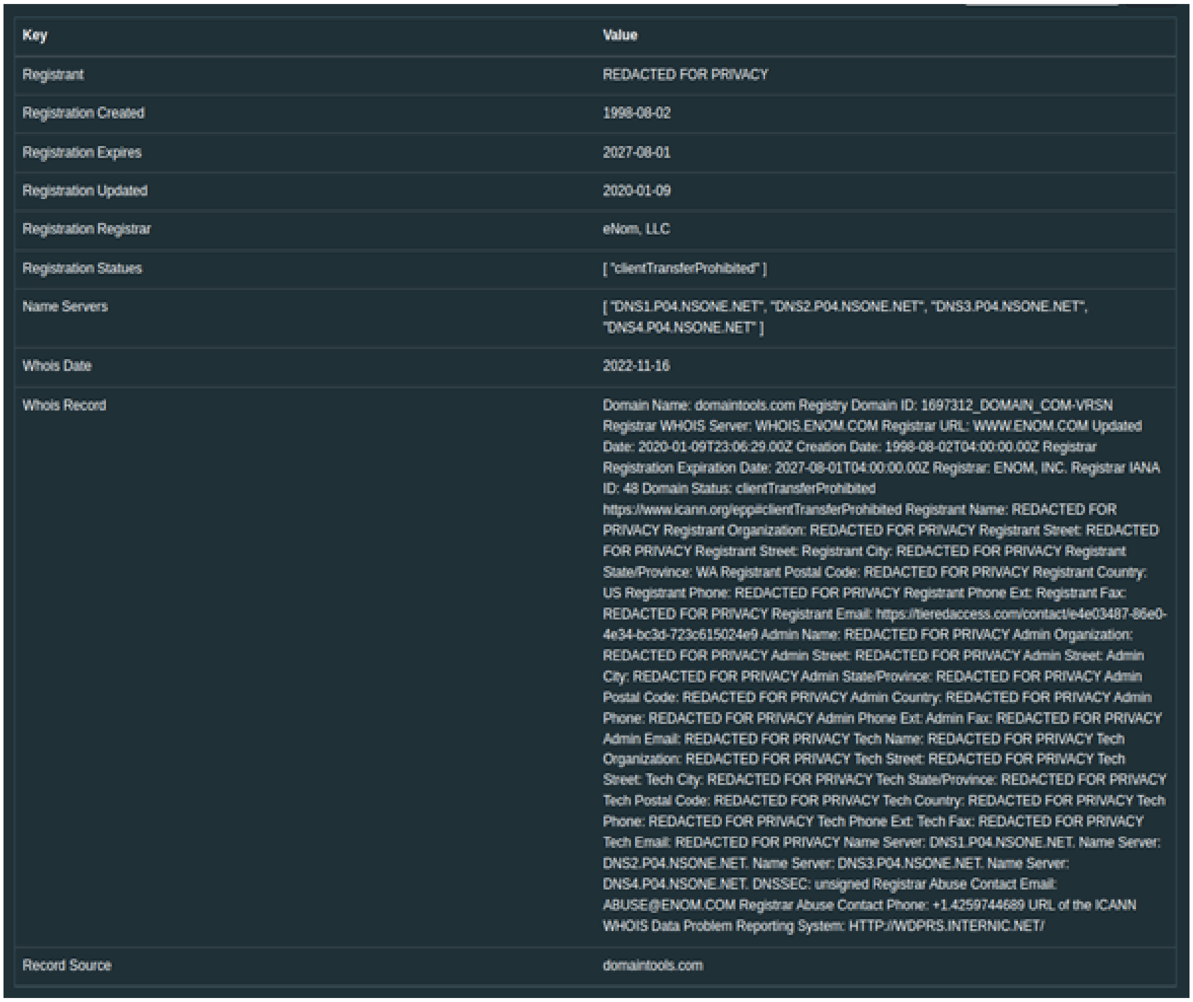
Input Parameter	Description	Type	Scope Restricted (Yes/No)	Required (Yes/No)
Integration	Name of the third-party integration	Integration	N/A	Yes
Domain	Domain name to be queried.	HOST UNKNOWN KEYWORD	Yes	Yes

Output:

Case Scope

N/A

Human Readable Output:



Key	Value
Registrant	REDACTED FOR PRIVACY
Registration Created	1998-08-02
Registration Expires	2027-08-01
Registration Updated	2020-01-09
Registration Registrar	eNom, LLC
Registration Statues	["clientTransferProhibited"]
Name Servers	["DNS1.P04.NSONE.NET", "DNS2.P04.NSONE.NET", "DNS3.P04.NSONE.NET", "DNS4.P04.NSONE.NET"]
Whois Date	2022-11-16
Whois Record	Domain Name: domaintools.com Registry Domain ID: 1697312_DOMAIN_COM-VRSN Registrar WHOIS Server: WHOIS.ENOM.COM Registrar URL: WWW.ENOM.COM Updated Date: 2020-01-09T23:06:29.00Z Creation Date: 1998-08-02T04:00:00.00Z Registrar Registration Expiration Date: 2027-08-01T04:00:00.00Z Registrar: ENOM, INC. Registrar IANA ID: 48 Domain Status: clientTransferProhibited https://www.icann.org/epp#clientTransferProhibited Registrant Name: REDACTED FOR PRIVACY Registrant Organization: REDACTED FOR PRIVACY Registrant Street: REDACTED FOR PRIVACY Registrant Street: Registrant City: REDACTED FOR PRIVACY Registrant State/Province: WA Registrant Postal Code: REDACTED FOR PRIVACY Registrant Country: US Registrant Phone: REDACTED FOR PRIVACY Registrant Phone Ext: Registrant Fax: REDACTED FOR PRIVACY Registrant Email: https://tieredaccess.com/contact/e4e03487-86e0-4e34-bc3d-723c615024e9 Admin Name: REDACTED FOR PRIVACY Admin Organization: REDACTED FOR PRIVACY Admin Street: REDACTED FOR PRIVACY Admin Street: Admin City: REDACTED FOR PRIVACY Admin State/Province: REDACTED FOR PRIVACY Admin Postal Code: REDACTED FOR PRIVACY Admin Country: REDACTED FOR PRIVACY Admin Phone: REDACTED FOR PRIVACY Admin Phone Ext: Admin Fax: REDACTED FOR PRIVACY Admin Email: REDACTED FOR PRIVACY Tech Name: REDACTED FOR PRIVACY Tech Organization: REDACTED FOR PRIVACY Tech Street: REDACTED FOR PRIVACY Tech Street: Tech City: REDACTED FOR PRIVACY Tech State/Province: REDACTED FOR PRIVACY Tech Postal Code: REDACTED FOR PRIVACY Tech Country: REDACTED FOR PRIVACY Tech Phone: REDACTED FOR PRIVACY Tech Phone Ext: Tech Fax: REDACTED FOR PRIVACY Tech Email: REDACTED FOR PRIVACY Name Server: DNS1.P04.NSONE.NET. Name Server: DNS2.P04.NSONE.NET. Name Server: DNS3.P04.NSONE.NET. Name Server: DNS4.P04.NSONE.NET. DNSSEC: unsigned Registrar Abuse Contact Email: ABUSE@ENOM.COM Registrar Abuse Contact Phone: +1.4259744689 URL of the ICANN WHOIS Data Problem Reporting System: HTTP://WDPRS.INTERNIC.NET/
Record Source	domaintools.com

9. **Iris Investigate**

   Enrichment capability is ideally suited for investigating and orchestrating use cases at a human scale.

   These are typically triggered on-demand by an analyst seeking additional context on a single indicator, with the best result available for investigations.

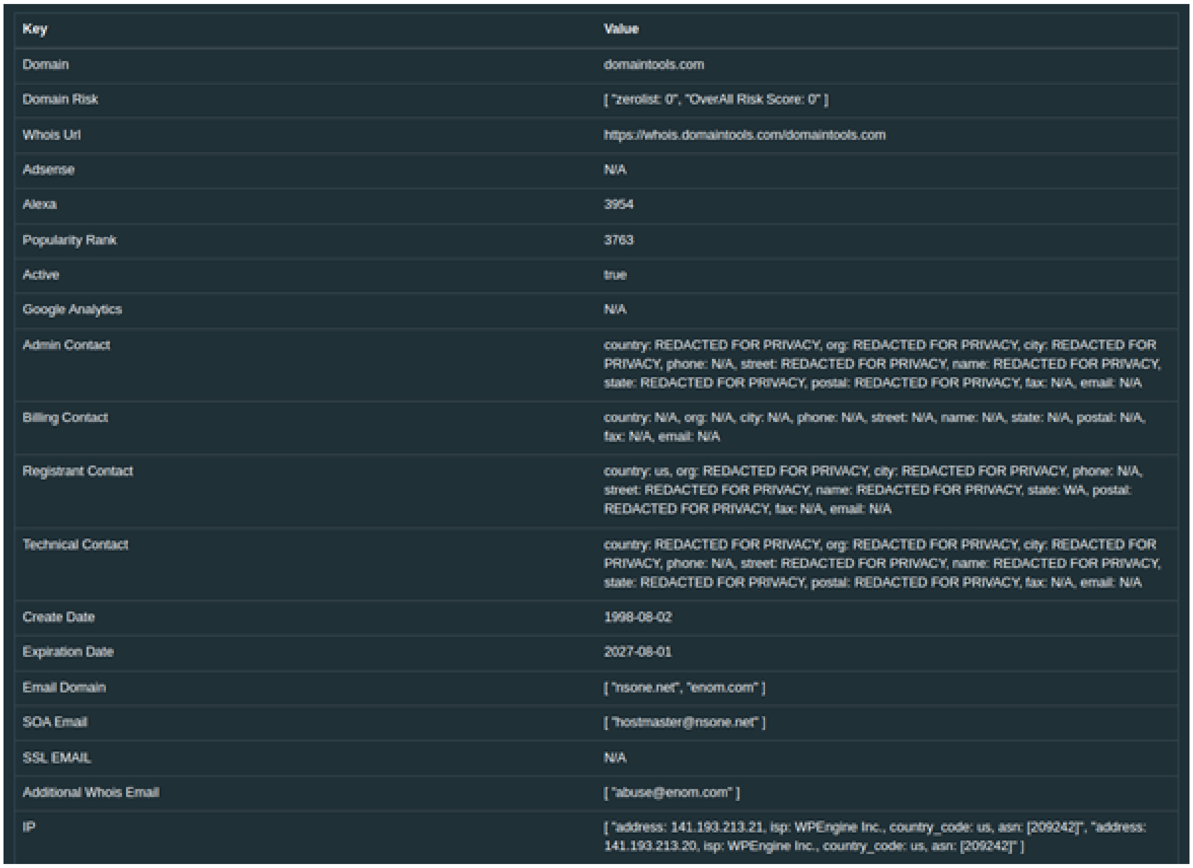
Input Parameter	Description	Type	Scope Restricted (Yes/No)	Required (Yes/No)
Integration	Name of the third-party integration	Integration	N/A	Yes
Domain	Domain name to be queried.	HOST UNKNOWN KEYWORD	Yes	Yes

Output:

Case Scope

N/A

Human Readable Output:



Key	Value
Domain	domaintools.com
Domain Risk	["zerolist: 0", "OverAll Risk Score: 0"]
Whois Url	https://whois.domaintools.com/domaintools.com
Adsense	N/A
Alexa	3954
Popularity Rank	3763
Active	true
Google Analytics	N/A
Admin Contact	country: REDACTED FOR PRIVACY, org: REDACTED FOR PRIVACY, city: REDACTED FOR PRIVACY, phone: N/A, street: REDACTED FOR PRIVACY, name: REDACTED FOR PRIVACY, state: REDACTED FOR PRIVACY, postal: REDACTED FOR PRIVACY, fax: N/A, email: N/A
Billing Contact	country: N/A, org: N/A, city: N/A, phone: N/A, street: N/A, name: N/A, state: N/A, postal: N/A, fax: N/A, email: N/A
Registrant Contact	country: us, org: REDACTED FOR PRIVACY, city: REDACTED FOR PRIVACY, phone: N/A, street: REDACTED FOR PRIVACY, name: REDACTED FOR PRIVACY, state: WA, postal: REDACTED FOR PRIVACY, fax: N/A, email: N/A
Technical Contact	country: REDACTED FOR PRIVACY, org: REDACTED FOR PRIVACY, city: REDACTED FOR PRIVACY, phone: N/A, street: REDACTED FOR PRIVACY, name: REDACTED FOR PRIVACY, state: REDACTED FOR PRIVACY, postal: REDACTED FOR PRIVACY, fax: N/A, email: N/A
Create Date	1998-08-02
Expiration Date	2027-08-01
Email Domain	["nsone.net", "enom.com"]
SOA Email	["hostmaster@nsone.net"]
SSL EMAIL	N/A
Additional Whois Email	["abuse@enom.com"]
IP	["address: 141.193.213.21, isp: WPEngine Inc., country_code: us, asn: [209242]", "address: 141.193.213.20, isp: WPEngine Inc., country_code: us, asn: [209242]"]

Integration Guide for DNS Service

Integration Overview

DNS Server is used to resolve and translate the IP addresses, host names and queries to various DNS records.

Integration Capabilities

SOAR has the following integration capabilities with DNS Server.

- DNS Lookup

Configuration

Prerequisites

- Make sure SOAR has access to DNS Server through 53/udp port

Configuring DNS Service

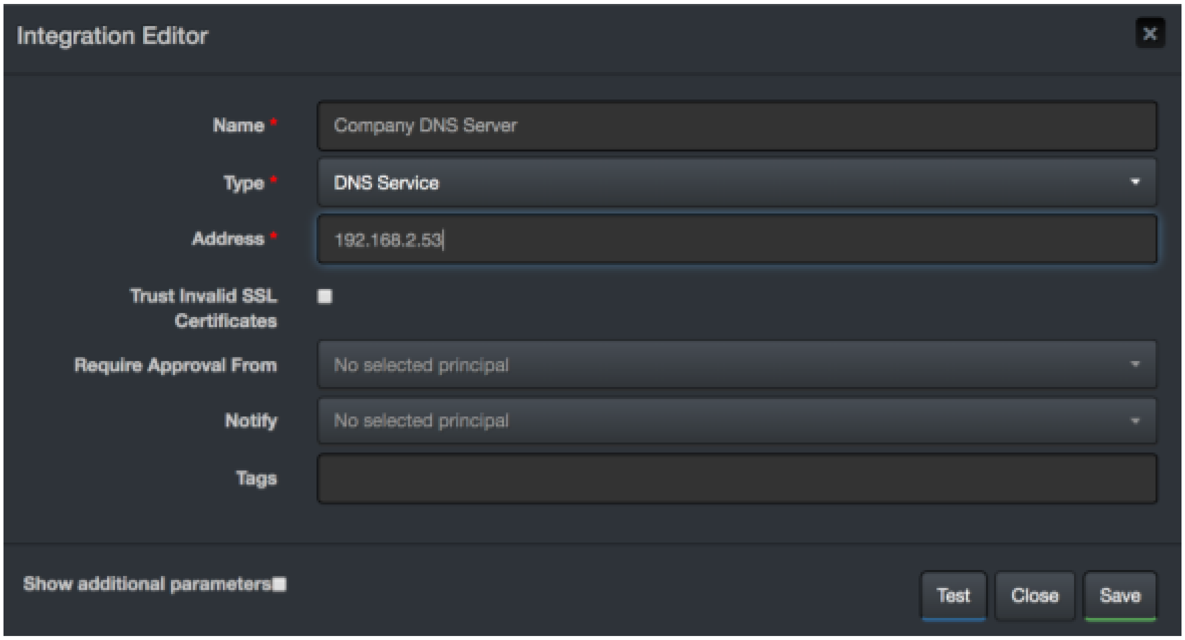
- No specific configuration is needed on DNS Server.

Configuring SOAR

1. Click **Configuration** > **Integrations** > **Create Integrations**.
2. Specify the following parameter values in the **Configuration** form:

Parameter	Value
Name	Display name of DNS Server integration on SOAR.
Type	DNS Service
Address	Address of the integration (in the format: 192.168.2.53)

Parameter	Value
Trust Invalid SSL Certificates	Not applicable
Require Approval From	Select users from the list who can provide approval before executing actions on this integration. As SOAR only executes enrichment on DNS Server, leave it empty
Notify	Select users from the list to notify when SOAR performs an action on this integration. As SOAR only executes enrichment on DNS Server, leave it empty


Integration Editor

Name * Company DNS Server

Type * DNS Service

Address * 192.168.2.53

Trust Invalid SSL Certificates □

Require Approval From No selected principal

Notify No selected principal

Tags

Show additional parameters □

3. Click **Test**. The following pop up will be displayed if your credential and address are valid.
4. Click **Save** to complete integration.

Integration Guide for EmailRep

Integration Overview

EmailRep consists of crawlers, scanners and enrichment services that collect data from email addresses, domains, and internet personas.

EmailRep uses hundreds of data points from social media profiles, professional networking sites, dark web credential leaks, data breaches, phishing kits, phishing emails, spam lists, open mail relays, domain age and reputation, and deliverability to predict the risk on an email address.

This integration enables ArcSight SOAR to report and query an email address.

Integration Capabilities

ArcSight SOAR has the following integration capabilities with EmailRep:

- Email Query
- Report Email

Prerequisite

- An API key is required for accessing EmailRep.

Configuring SOAR

1. Click **Configuration** > **Credential** > **Create Credential**.
2. Specify the following parameter values in the **Credential Editor** form:

Type	Name	Username	Password	Private Key
Internal credential	Display name of credential set (for example, EmailRep Credentials).			API Key

3. Click **Configuration** > **Integration** > **Create Integrations** Specify the following parameter values in the **Configuration** form:

Parameter	Value
Name	Display name of the integration.
Type	EmailRep
Address	Address of the integration (https://emailrep.io).
Configuration	Specify the following configuration parameters: **proxy.id** — **ID of the Proxy integration if you access EmailRep through a web proxy device. For example, proxy.id = 12345** .
Credential	Credential that has been defined for this integration under the **Credentials** menu.
Trust Invalid SSL Certificates	Select this if web server's certificate is self-signed or is not recognized by browsers.
Require Approval From	Select user(s) from list to ask the approval before executing actions on this integration.
Notify	Select user(s) from the list to notify when SOAR performs an action on this integration.

4. Click **Save** to save the integration definition.
5. Navigate to **Configuration**>**Customization Library** and edit **Emailrep Advanced Action Script Default Template**.
6. Select the integration that you have added to **Integrations** menu.
7. Click **Save** to complete the integration.
8. Click **Test**, an **Integration Successful** message is displayed if the credential and address are valid.

Capabilities

1. **Email Query**
   Enrichment capability for getting reputation of email addresses.

   The following table presents the **Email Query** enrichment capability details:

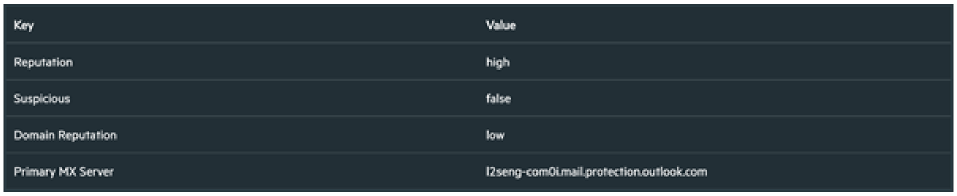
Input Parameter	Description	Type	Scope Restricted (Yes/ No)	Required (Yes/ No)
Integration	Name of the third party integration.	Integration	N/A	Yes
Email Address	Email address to be queried.	Email Address	Yes	Yes
Do not Use Cache	SOAR does not use cached results if this box is checked.	Checkbox	N/A	No

Output:

Case Scope:

Action	Type	Category/ Value
Set	Scope item value	EmailRep Suspicious
Set	Scope item value	EmailRep Reputation

Human Readable Output:



Key	Value
Reputation	high
Suspicious	false
Domain Reputation	low
Primary MX Server	l2seng-com0i.mail.protection.outlook.com

2. Report Email
3. Action capability for reporting malicious email addresses.
   - Rollback: No
   - Duplicate Control: Yes

> **Note**: This capability requires Professional or Enterprise API membership to EmailRep.

The following table presents **Report Email** action capability details:

Output:

	Description	Type	Scope Restricted (Yes/ No)	Required (Yes/ No)
Integration	Name of the third party integration.	Integration	N/A	Yes
Rollback Mode	Time to rollback this action. Default is no-rollback.	N/A	N/A	No
Email Address	Email address to be reported.	Email Address	Yes	Yes
Tag	Report tag.	String	N/A	No
Description	Description/ reason to report.	String	No	Yes

Case Scope: N/A

Human Readable Output: N/A

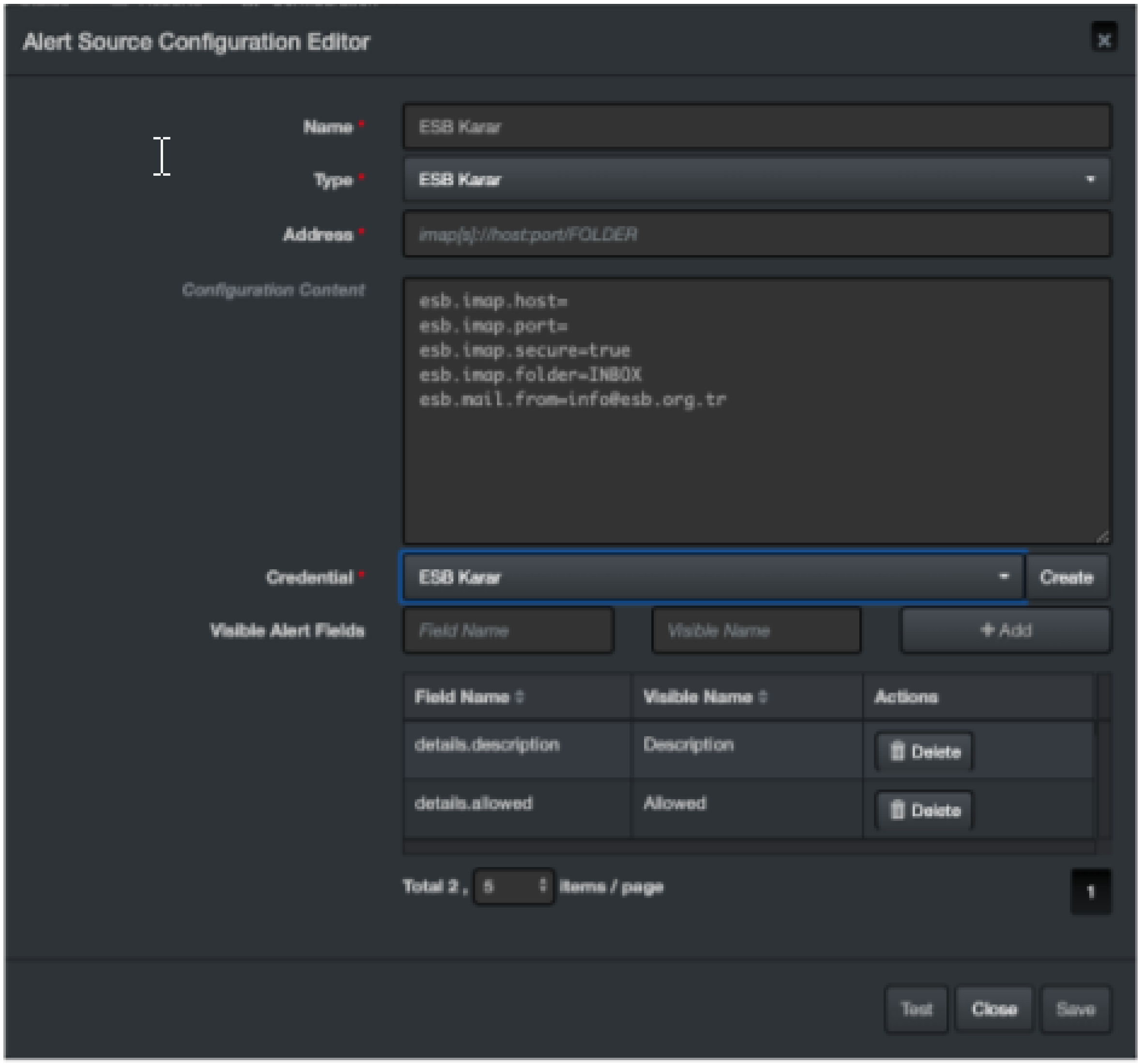
Integration Guide for ESB Karar

1. To create the alert source, click **Configuration** > **Alert Source**.
2. Specify the following parameter values in the **Configuration Editor**:

Parameter	Value
Name	Display name of the alert source
Type	ESB Karar
Address	Address of the alert source. (in the format imap[s]://host:port/FOLDER).

Configuration Content	esb.imap.host=
	esb.imap.port=
	esb.imap.secure=true
	esb.imap.folder=INBOX
	esb.mail.from=info@esb.org.tr

Credential	Credential defined for this alert source under the Credentials menu
Visible Alert Field	- details.description - details.allowed



Alert Source Configuration Editor

Name * ESB Karar

Type * ESB Karar

Address * imap[s]://host:port/FOLDER

Configuration Content

```
esb.imap.host=
esb.imap.port=
esb.imap.secure=true
esb.imap.folder=INBOX
esb.mail.from=info@esb.org.tr
```

Credential * ESB Karar

Visible Alert Fields

Field Name	Visible Name	Actions
details.description	Description	Delete
details.allowed	Allowed	Delete

Total 2 , 5 items / page

3. Click **Test**. The following pop up will be displayed if your credential and address are valid.
4. Click **Save** to complete integration.

Integration Guide for F5 Big-IP Advanced Firewall Manager

Integration Overview

Big IP AFM protects the network against incoming threats, even the most massive and complex DDoS attacks.

Big IP AFM keeps bad traffic away from some specific network addresses and protects the data center against DDoS attacks, and other network or application attacks. It also brings visibility and control to SSH, and SSL connections, providing against back door threats that use the SSH channel for data breaches and app attacks.

Integration Capabilities

Action

- Add address to specific address list

Configuration

Configuring F5 Big-IP Advanced Firewall Manager

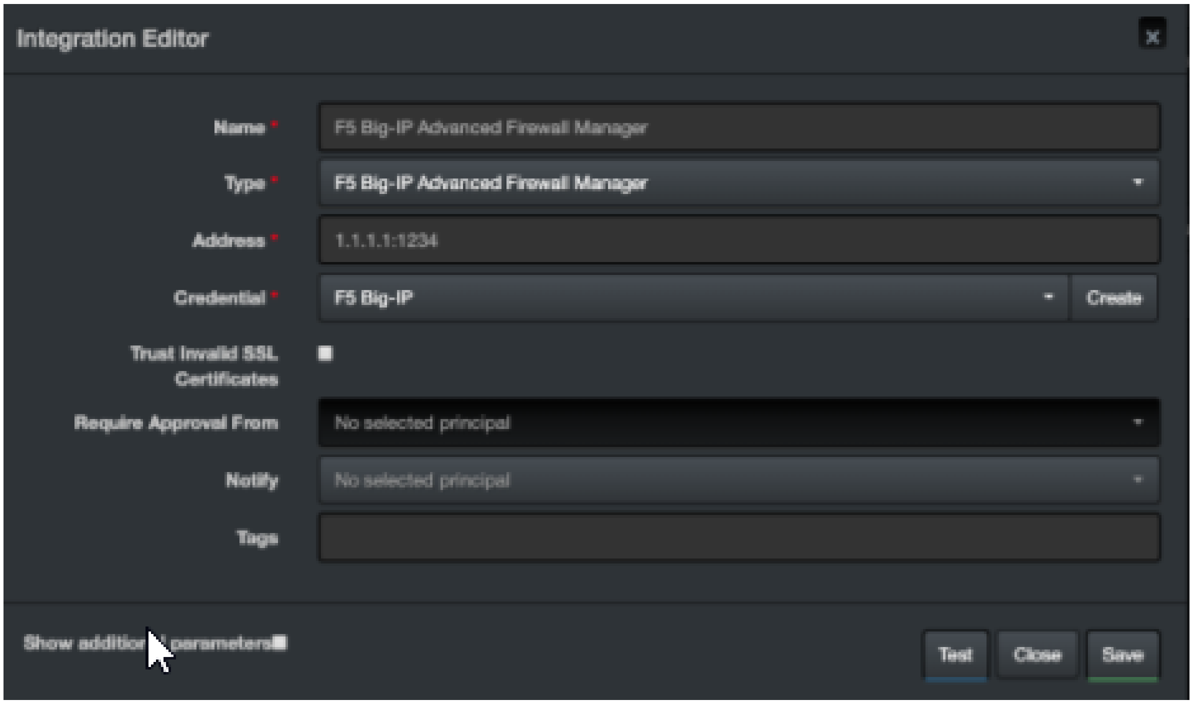
- Make sure SOAR has access to F5 Big-IP Advanced Firewall Manager integration’s API as it connects to it using HTTPS.

Configuring SOAR

1. To create the integration, navigate to **Configuration** > **Integrations**.
2. Specify the following parameter values in the **Integrations Editor** form.

Parameter	Value
Name	Display name of integration
Type	F5 Big-IP Advanced Firewall Manager
Address	Address of the integration (in the format 1.1.1.1:1234 or abc.example.com:1234)

Parameter	Value
Credential	Credential that was defined for this integration under the **Credentials** menu
Trust Invalid SSL Certificates	Select this if device's certificate is self-signed or is not recognized by browsers
Require Approval From	Select users from the list who can provide approval before executing actions on this integration
Notify	Select user(s) from the list to notify when SOAR performs an action on this integration



Integration Editor

Name * F5 Big-IP Advanced Firewall Manager

Type * F5 Big-IP Advanced Firewall Manager

Address * 1.1.1.1:1234

Credential * F5 Big-IP

Trust Invalid SSL Certificates □

Require Approval From No selected principal

Notify No selected principal

Tags

Show additional parameters □

3. Click **Test**. The following pop up will be displayed if your credential and address are valid.
4. Click **Save** to complete integration.

Integration Guide for FireEye HX

Integration Overview

FireEye HX is an endpoint threat detection and prevention solution. ArcSight SOAR integrates with FireEye HX through REST API to give enrichment and action capabilities to the users.

Integration Capabilities

Enrichment

- **IoC Scan:** HX can scan a given scope item in a target system and return information.
- **Detailed System Information:** HX can gather a target system information.
- **Script Execution:** HX supports different forensic data gathering scripts. These are XML formatted files that exist on HX installation. If customer wishes, they can import these script like files into Customization Library and then execute them through SOAR.

Action

Quarantine: HX quarantines a target system and reverts the quarantine if required.

Configuration

Configuring FireEye HX

- Make sure API services are enabled and create a api_admin user.To enable the service, please see product documentation
- Access to the port number defined in the HX during installation as SOAR connects to FireEye HX.
- Define required access control rules if SOAR and FireEye HX are segregated.

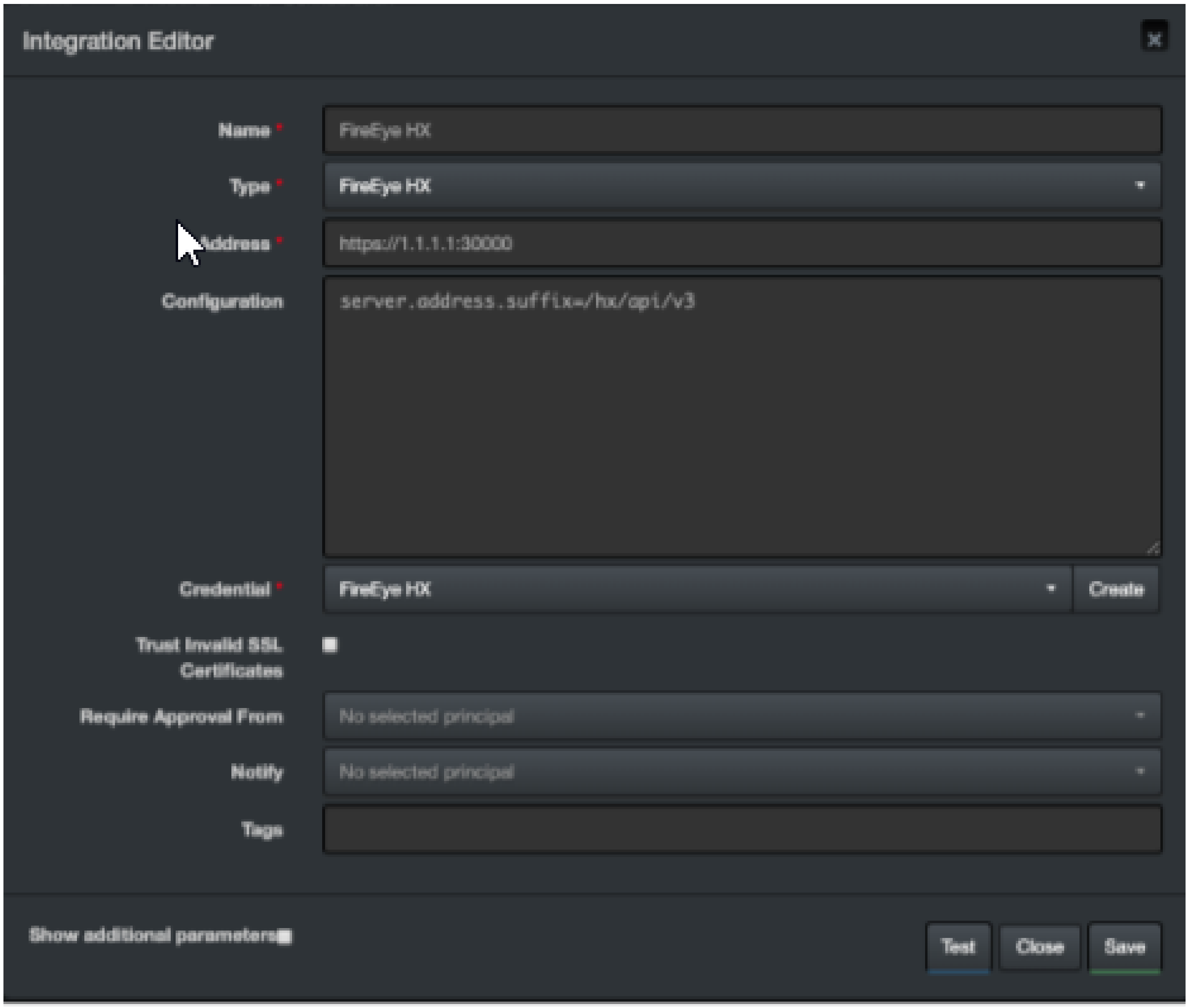
Configuring SOAR

SOAR configuration is standard and users need to specify **Name**, **Address** and **Credential fields**. Rest of the fields can be changed as required.

> **Note: Configuration** field must not be changed by users.

1. To create the integration, navigate to **Configuration** > **Integrations**.
2. Specify the following parameter values in the **Integration Editor** form:

Parameter	Value
Name	Display name of the integration
Type	FireEye HX
Address	Address of the alert source (in the format http[s]://1.1.1.1:3000 or http[s]://abc.example.com:3000)
Configuration	Specify the following configuration parameter: `server.address.suffix=/hx/api/v3`
Credential	Credential defined under the **Credentials menu**
Trust Invalid SSL Certificates	Select this if device’s certificate is self-signed or is not recognized by browsers
Require Approval From	Select users from the list who can provide approval before executing actions on this integration
Notify	Select users from the list to notify when SOAR performs an action on this integration



Integration Editor

Name * FireEye HX

Type * FireEye HX

Address * https://1.1.1.1:30000

Configuration

```
server.address.suffix=/hx/api/v3
```

Credential * FireEye HX

Trust Invalid SSL Certificates ■

Require Approval From: No selected principal

Notify: No selected principal

Tags

3. Click **Test** to test the integration.
4. Click **Save** to complete integration.

Integration Guide for Forcepoint Cloud Services

Integration Overview

SOAR works with Forcepoint Cloud Services to report uncategorized sites.

Integration Capabilities

Action

- Report

Configuration

Configuring Forcepoint Cloud Services

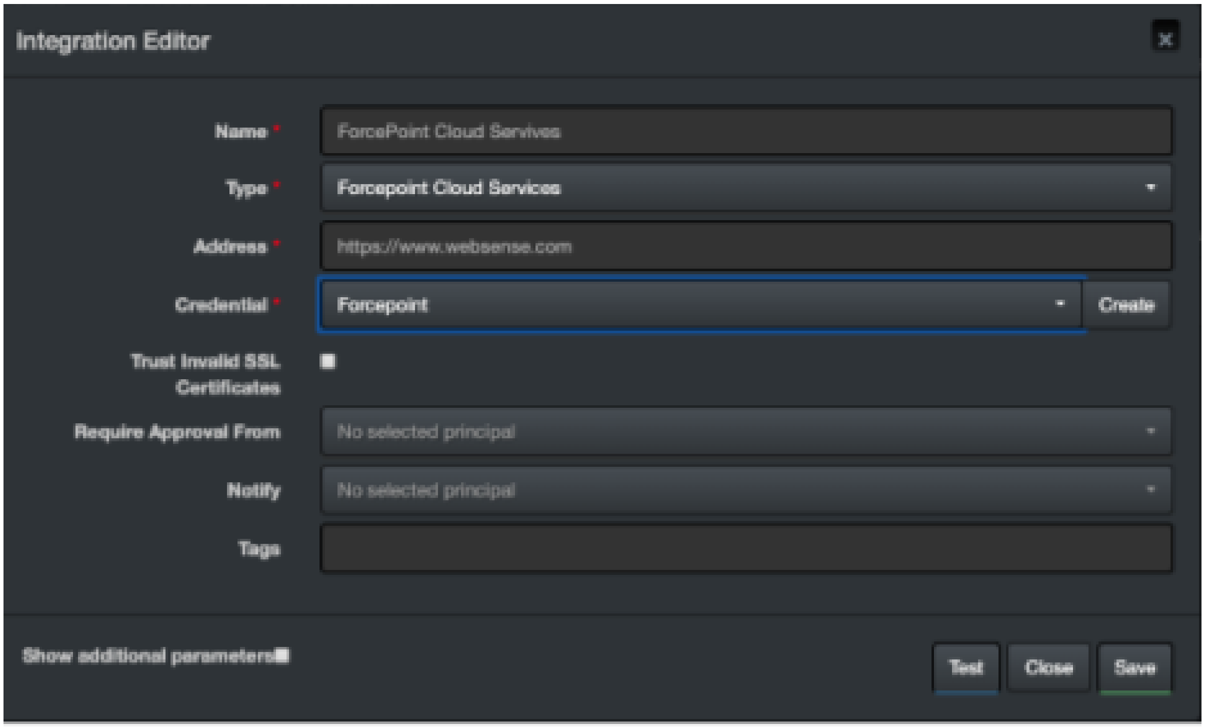
- Make sure SOAR has access to HTTPS as it connects to Forcepoint Cloud Services URL https://www.websense.com).
- A user account on Forcepoint/WebSense to use the **Sitelookup** tool.

Configuring SOAR

1. To create the integration, navigate to **Configuration** > **Integrations**.
2. Specify the following parameter values in the **Integrations Editor**.

Parameter	Value
Name	Display name of the integration
Type	Forcepoint Cloud Services
Address	Address of the integration (in the format http[s]://abc.example.com:3000)
Credential	Credential defined for this integration under the **Credentials** menu.

Parameter	Value
Trust Invalid SSL Certificates	Select this if device's certificate is self-signed or is not recognized by browsers
Require Approval From	Select users from the list who can provide approval before executing actions on this integration
Notify	Select users from the list to notify when SOAR performs an action on this integration



Integration Editor

Name * ForcePoint Cloud Servives

Type * Forcepoint Cloud Services

Address * https://www.websense.com

Credential * Forcepoint

Trust Invalid SSL Certificates □

Require Approval From No selected principal

Notify No selected principal

Tags

3. Click **Test** to test the integration.
4. Click **Save** to complete the integration.

Integration Guide for Forcepoint Content Gateway

Integration Overview

Forcepoint Web Content Gateway is a web proxy and cache that analyzes HTTP(S) requests in real-time and passes the traffic to Filtering Service for policy enforcement.

Integration Capabilities

ArcSight SOAR has the following integration capability with Forcepoint Web Content Gateway:

- Block Access to IP Addresses, URLs and Hostnames

Use Case: Blocking Phishing Domains

SOAR checks the inbox of user's email, for phishing reports and automatically creates an incident record on the service desk. During the investigation, SOAR extracts the malicious IP addresses, domains, and URLs in the message body and blocks access to Forcepoint Web Content Gateway. This can either be performed automatically within a playbook or manually by an analyst.

Also, SOAR uses threat intelligence (TI) feeds as an Alert Source and automatically blocks malicious domains/IP addresses reported by TI source on Forcepoint Web Content Gateway before any attack occurs.

Configuration

Prerequisites

- Current version of Forcepoint Web Content Gateway.
- Access to HTTPS as SOAR connects to Forcepoint Web Content Gateway Policy API
- Access to 15873/tcp port

Configuring Facepoint Web Content Gateway

1. Forcepoint Management API does not get installed by default. To complete the integration, install this service on the server or appliance. Also, the configuration steps differ with the usage of the server. For the complete instructions, see Management API

Installation Guide.

2. After installing Management API components, use the Forcepoint Security Manager to configure the account used for authentication. To enable the communication, see ***Enabling communication between Management API clients and servers*** in the Management API Installation Guide.

Configuring SOAR

1. Click **Configurtion** > **Credentials** > **Create Credential**.
2. Specify the following parameter values in the **Credential Editor** form:

   a. **Internal credential:**

Parameter	Value
Type	Internal credential
Name	Display name of the credential set (For example, Forcepoint WCG Credentials)
Username	Username configured on Forcepoint Management API
Password	Password for the user configured on Forcepoint Management API.
Private Key	Empty

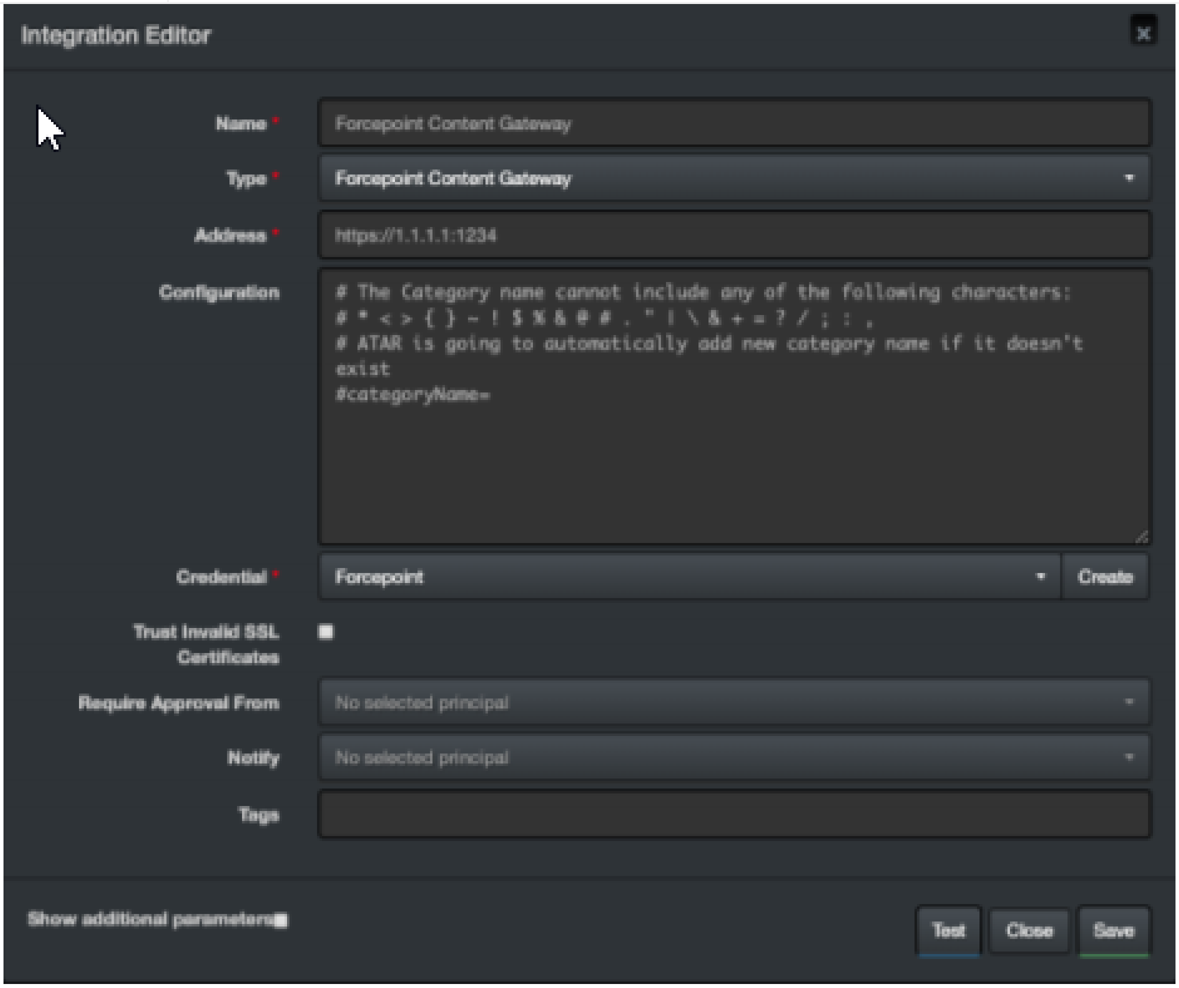
   b. **Credential Store:**

Parameter	Value
Type	External credential
Name	Name of the credential with pull path of the safe on store.

3. Click **Configuration** > **integrations** > **Create Integration.**
4. Specify the following configuration parameter values in the **Configuration form**:

Parameter	Value
Name	Display name of Forcepoint Web Content Gateway integration on SOAR
Type	Forcepoint Web Content Gateway
Address	Address of the integration (in the format https://192.168.2.99:15:15873).

<table>
<tr><th>Parameter</th><th>Value</th></tr>
<tr><td>Configuration</td><td>Specify the following configuration parameters:
The Category name cannot include any of the following characters:
* < > { } ~ ! $ % & @ # . " | \ & + = ? / ; : ,
SOAR is going to automatically add new category name if it doesn't exist
categoryName=SOAR_BLOCK</td></tr>
<tr><td>Credential</td><td>Name of the credential set created on step 2. (For example, Forcepoint WCG Credentials)</td></tr>
<tr><td>Trust Invalid SSL Cerificates</td><td>Select this if Engine’s certificate is self-signed or is not recognized by browsers.</td></tr>
<tr><td>Require Approval From</td><td>Select users from the list who can provide approval before executing actions on this integration.</td></tr>
<tr><td>Notify</td><td>Select users from the list to notify when SOAR performs an action on this integration</td></tr>
</table>



Integration Editor

Name * Forcepoint Content Gateway

Type * Forcepoint Content Gateway

Address * https://1.1.1.1:1234

Configuration

```
# The Category name cannot include any of the following characters:
# * < > { } ~ ! $ % & @ # . " | \ & + = ? / ; : ,
# ATAR is going to automatically add new category name if it doesn't
exist
#categoryName=
```

Credential * Forcepoint

Trust Invalid SSL Certificates ☐

Require Approval From: No selected principal

Notify: No selected principal

Tags

5. Click **Test**. The following pop up will be displayed if your credentials and address are valid.
6. Click **Save** to complete integration.

Additional Notes

- The **categoryName** you provide in the Configuration section is API-Managed but not managed by UI. If the category does not exist on the device, SOAR creates it automatically.

Integration Guide for ForeScout CounterACT NAC

Integration Overview

ForeScout CounterACT NAC provides virtual insight into any device connected across the enterprise and gives a single-pane-of-glass perspective. ForeScout discovers devices in real-time, then classifies, assesses, and monitors these devices. Also, this platform provides agent-less control and continuous monitoring across heterogeneous environments. Enables to trigger actions to notify, monitor, and remediation.

Integration Capabilities

SOAR has the following integration capability with ForeScout CounterACT NAC:

Action Capabilities

- Assign Policy to Host

Enrichment Capabilities

- Host information query by Network Address
- Host information query by Username
- Host information query by MAC Address
- Host information query by Computer Name

Use Case: Isolating Mal-behaving PC

SOAR integrates with ForeScout CounterACT NAC, while responding to an incident it applies a policy to mal-behaving computers and prevents further spread of the attack. A policy to the host can either be applied automatically within a playbook or manually by an analyst.

Configuration

Prerequisites

- Current version of ForeScout CounterACT NAC
- Access to SSH protocol(22/tcp port) as SOAR connects to ForeScout CounterACT NAC using SSH protocol.

- Access to 443/tcp port as enrichment plugin connects to ForeScout CounterACT NAC server
- A shell user account needs to be created for SOAR to connect to ForeScout

CounterACT NAC

Configuring ForeScout CounterACT NAC

1. Login to ForeScout CounterACT NAC appliance.
2. Create a shell account by executing the following command in the command prompt:

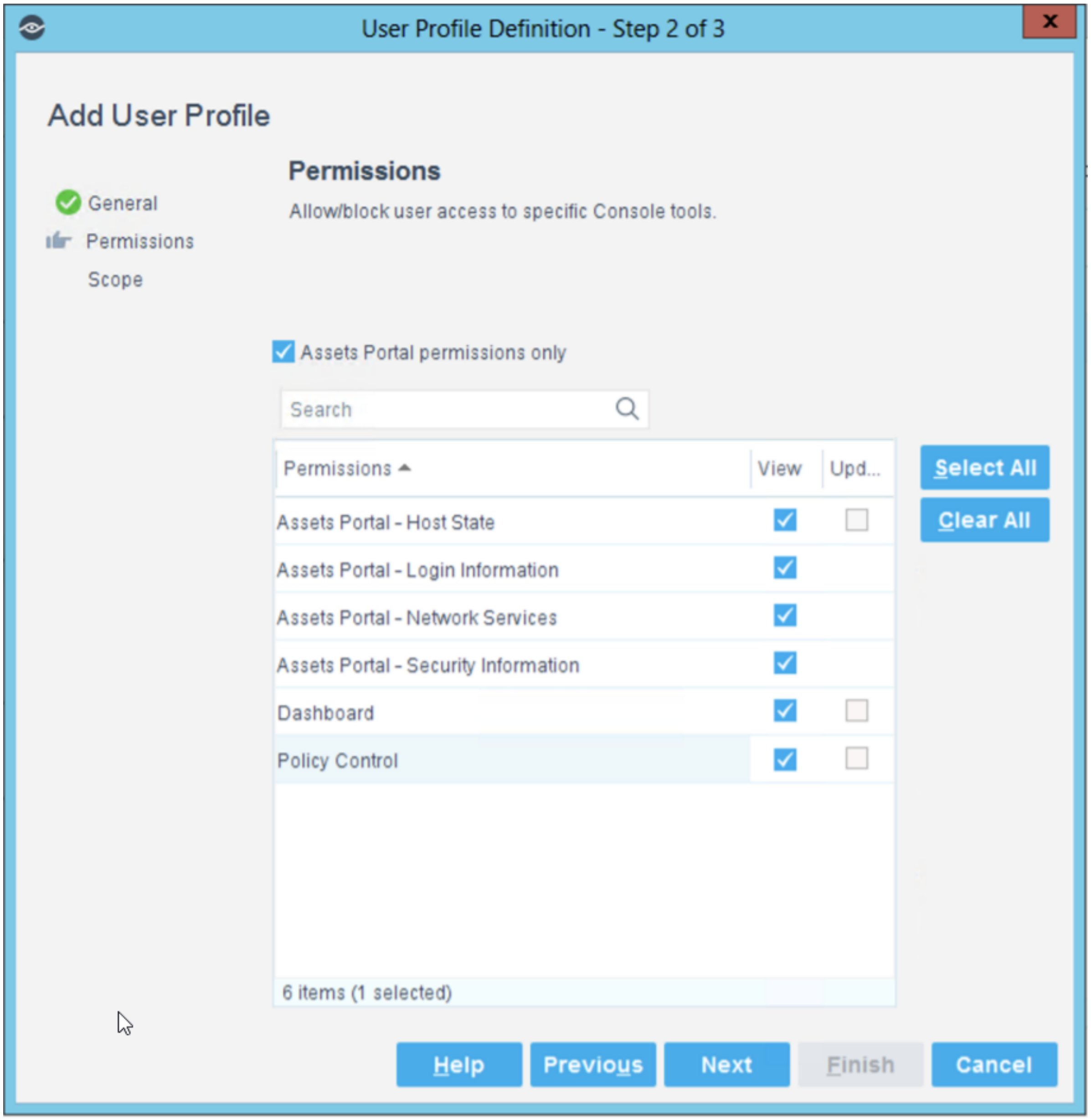
```
$ useradd -s /bin/bash -m -d /home/soar soar
```

```
$ passwd atar
```

3. To allow new user to execute fstool command without the need to enter the password, add the following line to sudo configuration (/etc/sudoers)

```
soar ALL=(root) NOPASSWD: /usr/local/forescout/bin/fstool
```

4. To use enrichment capabilities, add or use an existing web management user with the following permission:



Permissions

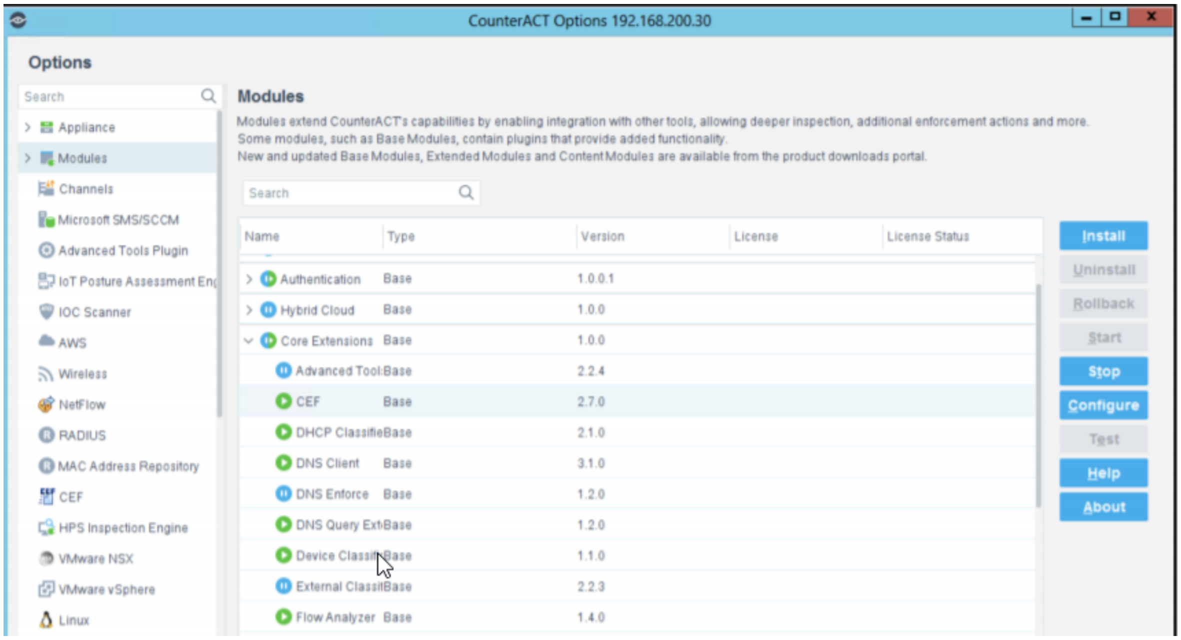
Allow/block user access to specific Console tools.

☑ Assets Portal permissions only

Permissions	View	Upd...
Assets Portal - Host State	☑	□
Assets Portal - Login Information	☑	
Assets Portal - Network Services	☑	
Assets Portal - Security Information	☑	
Dashboard	☑	□
Policy Control	☑	□

6 items (1 selected)

5. Login to Forescout **Management Interface.**
6. Enable **CEF service**.



Modules

Modules extend CounterACT's capabilities by enabling integration with other tools, allowing deeper inspection, additional enforcement actions and more.
Some modules, such as Base Modules, contain plugins that provide added functionality.
New and updated Base Modules, Extended Modules and Content Modules are available from the product downloads portal.

Name	Type	Version	License	License Status
Authentication	Base	1.0.0.1		
Hybrid Cloud	Base	1.0.0		
Core Extensions	Base	1.0.0		
Advanced Tool	Base	2.2.4		
CEF	Base	2.7.0		
DHCP Classifie	Base	2.1.0		
DNS Client	Base	3.1.0		
DNS Enforce	Base	1.2.0		
DNS Query Ext	Base	1.2.0		
Device Classif	Base	1.1.0		
External Classi	Base	2.2.3		
Flow Analyzer	Base	1.4.0		

7. Navigate to **Policy** and edit one of the existing policies or create a new one.
8. To edit condition of a rule, add “SIEM Message” as Criteria and select desired action.

Note: Make a note or save the SIEM message to use while configuring SOAR.

Configuring SOAR

1. Click **Configuration** > **Credentials** > **Create Credential.**
2. Specify the following parameter values in the **Credential Editor** form:
   a. **Internal Credential**

Parameter	Value
Type	Internal Credential
Name	Display name of credential set (For example, ForeScout CounterACT NAC Credential)
Username	Username created for SOAR on ForeScout CounterACT NAC
Password	Password of the user that was created for SOAR on ForeScout CounterACT NAC
Private Key	Empty

   b. **Internal Credential**

Parameter	Value
Type	Internal Credential
Name	Display name of credential set (For example, ForeScout CounterACT NAC Credential)
Username	Username created for SOAR on ForeScout CounterACT NAC for web management user (2.2.3).
Password	Password of the user you have created for SOAR on ForeScout for web management user (2.2.3).
Private Key	Empty

Note: Make a note or save the credential ID to use it in device configuration (2.3.4).

c. **Credential Store:**

Parameter	Value
Type	External Credential
Name	Name of the credential with pull path of the safe on store.

3. Click **Confiugration** > **Integrations** > **Create Integration.**

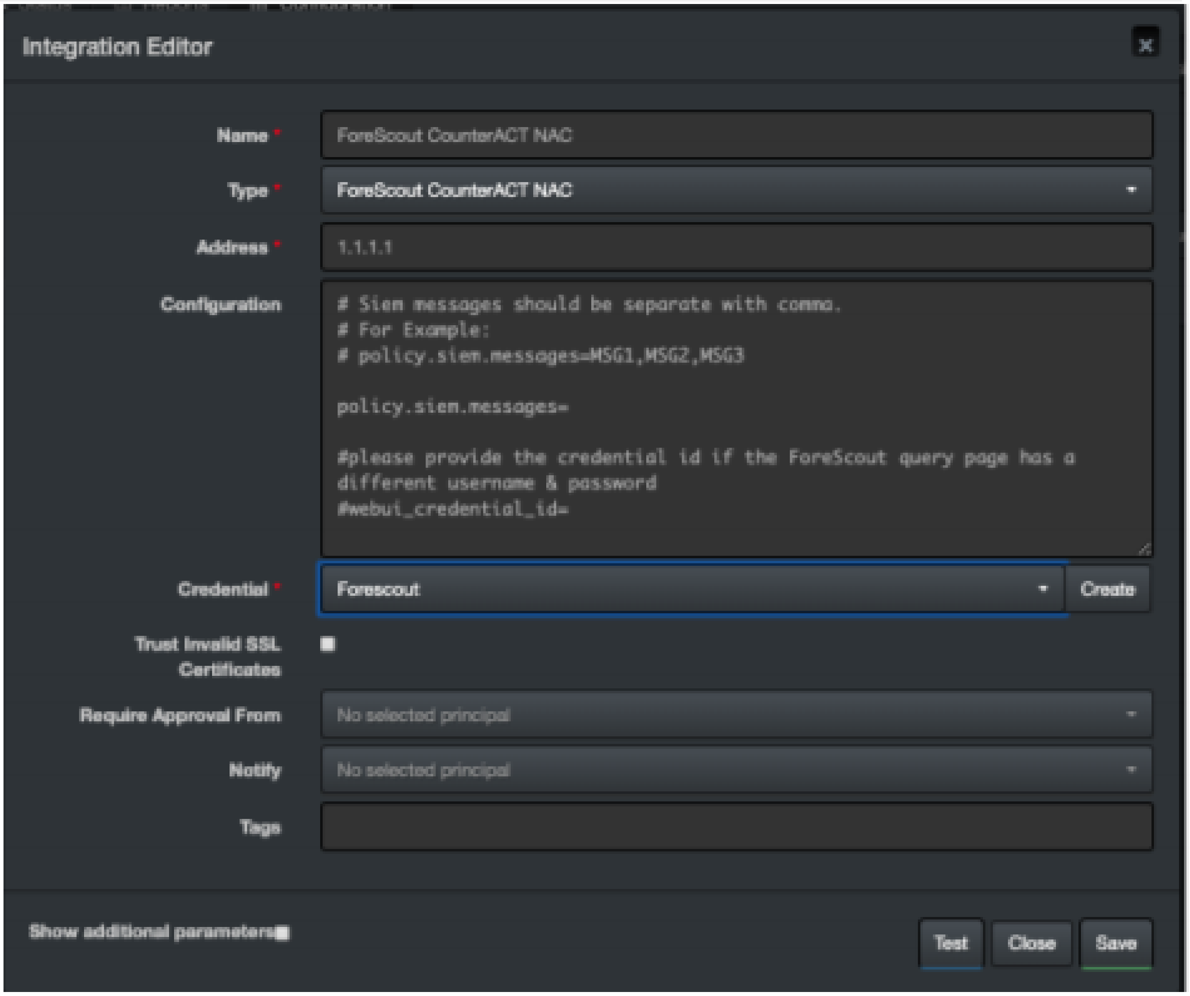
Specify the following parameter values in the **Configuraiton** form:

Parameter	Value
Name	Display name of Database Server integration on SOAR
Type	ForeScout CounterACT NAC
Address	Address of the integration (in the format 192.168.1.1)

Configuration	Specify the following configuration parameters.
	`# Supported versions are: v1 (for version 8.0) and v2 (for version 8.1.3).`
	`Default version is v1`
	`#version=`
	`# Siem messages should be separate with comma`
	`# For Example:`
	`# policy.siem.messages=MSG1,MSG2,MSG3`
	`policy.siem.messages=`
	`# please provide the credential id if the ForeScout query page has a`
	`# different username & password`
	`webui_credential_id=(Credential id that you made a note in step 2.3.4)`

Credential	Name of the credential set created on step 2. (For example, ForeScout CounterACT NAC Credential)

Parameter	Value
Trust Invalid SSL Certificates	Select this if device’s certificate is self-signed or is not recognized by browsers
Require Approval from	Select users from the list who can provide approval before executing actions on this integration
Notify	Select users from the list to notify when SOAR performs an action on this integration.



Name * ForeScout CounterACT NAC

Type * ForeScout CounterACT NAC

Address * 1.1.1.1

Configuration

```
# Siem messages should be separate with comma.
# For Example:
# policy.siem.messages=MSG1,MSG2,MSG3

policy.siem.messages=

#please provide the credential id if the ForeScout query page has a
different username & password
#webui_credential_id=
```

Credential * Forescout

Trust Invalid SSL Certificates □

Require Approval From No selected principal

Notify No selected principal

Tags

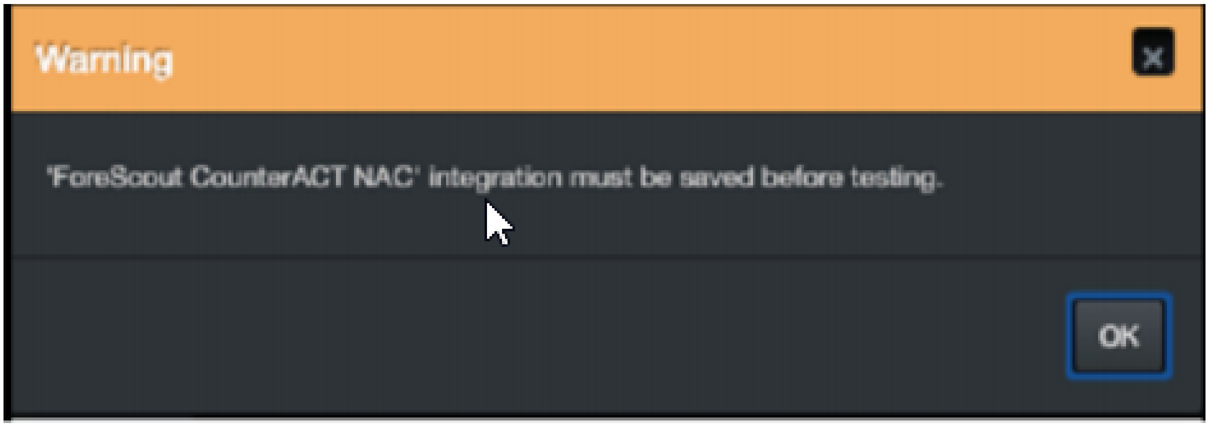
Show additional parameters □

4. Click **Save** to complete integration.
5. Click **Test**to test the integration.

Additional Notes

- ForeScout CounterACT NAC integration is an Advanced Script, and the content of the default script is accessible under **Configuration** > **Customization** Library.

- While defining the integration for the first time, you might encounter the following warning message, which is the expected behavior for this type of integration.



'ForeScout CounterACT NAC' integration must be saved before testing.

Integration Guide for Fortinet Forti Manager V2

Integration Overview

FortiManager is a management tool for Fortify Firewalls. It can manage multiple firewalls in a row from its central user interface.

Integration Capabilities

ArcSight SOAR has the following integration capabilities with Forti Manager:

- Add to Address Group
- List Devices
- List Firewall Address Groups
- List Firewall Addresses

Prerequisites

- You must have access to HTTPS as the ArcSight SOAR connects to Forti Manager IP through this service.
- You must have a super user credentials.

Configuration

Configuring Forti Manager

SSH to FortigateManager with admin user credential and execute the following command on ssh terminal:

```
FW # config system admin user
(user)# edit admin
(admin)# set rpc-permit read-write
```

Configuring SOAR

1. Click **Configuration** > **Integration** > **Create Integration**.
2. In **Configuration Editor**, select **FortiManager** in the **Type** list.
3. Click **Create** to create a new credential and specify the following parameters in the **Credential Editor** form:

Type	Name	Username	Password	Private Key
Internal credential	Display name of credential set (for example, Fortin Manager Credentials).	FortiManager Username	FortiManager Password	Empty

4. Check the **Clear Text Access**checkbox .
5. Click **Save** to save the integration definition.
6. Navigate to **Configuration**>**Customization Library** and edit **FortiManager Advanced Action Script Default Template**.
7. Select the integration that you have added to **Integrations** menu.
8. Click **Save** to complete the integration.
9. Click **Test**. **Integration Successful** message is displayed if the credential and address are valid.

Capabilities

1. **Add To Address Group**
2. Adds Ip address to given group for specified ADOM.
   The following table presents the **Add To Address Group** action capability details:

Input Parameter	Description	Type	Scope Restricted (Yes/ No)	Required (Yes/ No)
IP	A valid IP Address to retrieve data.	Network Address Host	Yes	Yes
ADOM	Administrative Domain.	String	No	Yes

Output:

Case Scope: N/A

Human Readable Output: N/A

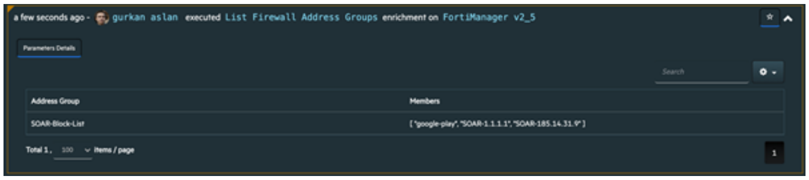
3. List Firewall Address Groups
4. List of firewall address groups on FortiManager.
The following table presents the **List Firewall Address Groups** action capability details:

Input Parameter	Description	Type	Scope Restricted (Yes/ No)	Required (Yes/ No)
ADOM	Administrative Domain.	String	No	Yes

Output:

Case Scope: N/A

Human Readable Output:



a few seconds ago - gurkan aslan executed List Firewall Address Groups enrichment on FortiManager v2_5

Address Group	Members
SOAR-Block-List	["google-play", "SOAR-1.1.1.1", "SOAR-185.14.31.9"]

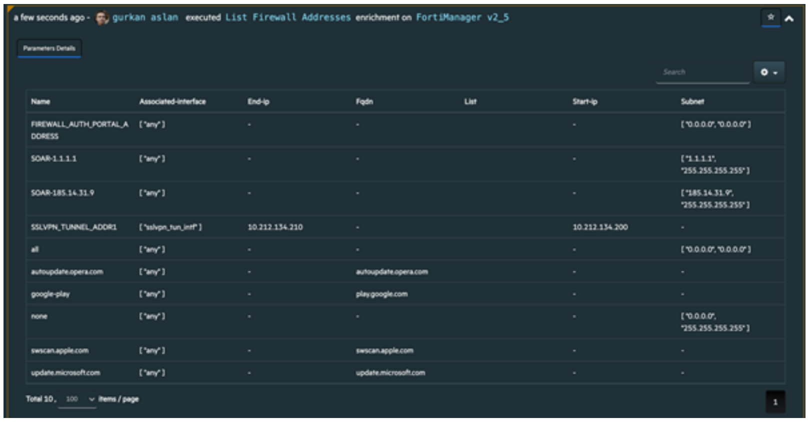
5. List Firewall Addresses
6. List of Firewall Addresses on FortiManager.
The following table presents the **List Firewall Addresses** action capability details:

Input Parameter	Description	Type	Scope Restricted (Yes/ No)	Required (Yes/ No)
ADOM	Administrative Domain.	String	No	Yes

Output:

Case Scope: N/A

Human Readable Output:



a few seconds ago - gurkan aslan executed List Firewall Addresses enrichment on FortiManager v2_5

Name	Associated-interface	End-ip	Fqdn	List	Start-ip	Subnet
FIREWALL_AUTH_PORTAL_ADDRESS	["any"]	-	-		-	["0.0.0.0", "0.0.0.0"]
SOAR-1.1.1.1	["any"]	-	-		-	["1.1.1.1", "255.255.255.255"]
SOAR-185.14.31.9	["any"]	-	-		-	["185.14.31.9", "255.255.255.255"]
SSLVPN_TUNNEL_ADDR1	["sslvpn_tun_intf"]	10.212.134.210	-		10.212.134.200	-
all	["any"]	-	-		-	["0.0.0.0", "0.0.0.0"]
autoupdate.opera.com	["any"]	-	autoupdate.opera.com		-	-
google-play	["any"]	-	play.google.com		-	-
none	["any"]	-	-		-	["0.0.0.0", "255.255.255.255"]
swscan.apple.com	["any"]	-	swscan.apple.com		-	-
update.microsoft.com	["any"]	-	update.microsoft.com		-	-

Total 10 , 100 items / page

Integration Guide for Fortinet FortiGate Firewall

Integration Overview

ArcSight SOAR uses Fortinet FortiGate Firewall to block IP addresses on the network perimeter and terminates sessions using the incident scope.

Integration Capabilities

- Action
- Block
- Disconnect
- Custom Script

Configuration

Configuring FortiGate Firewall

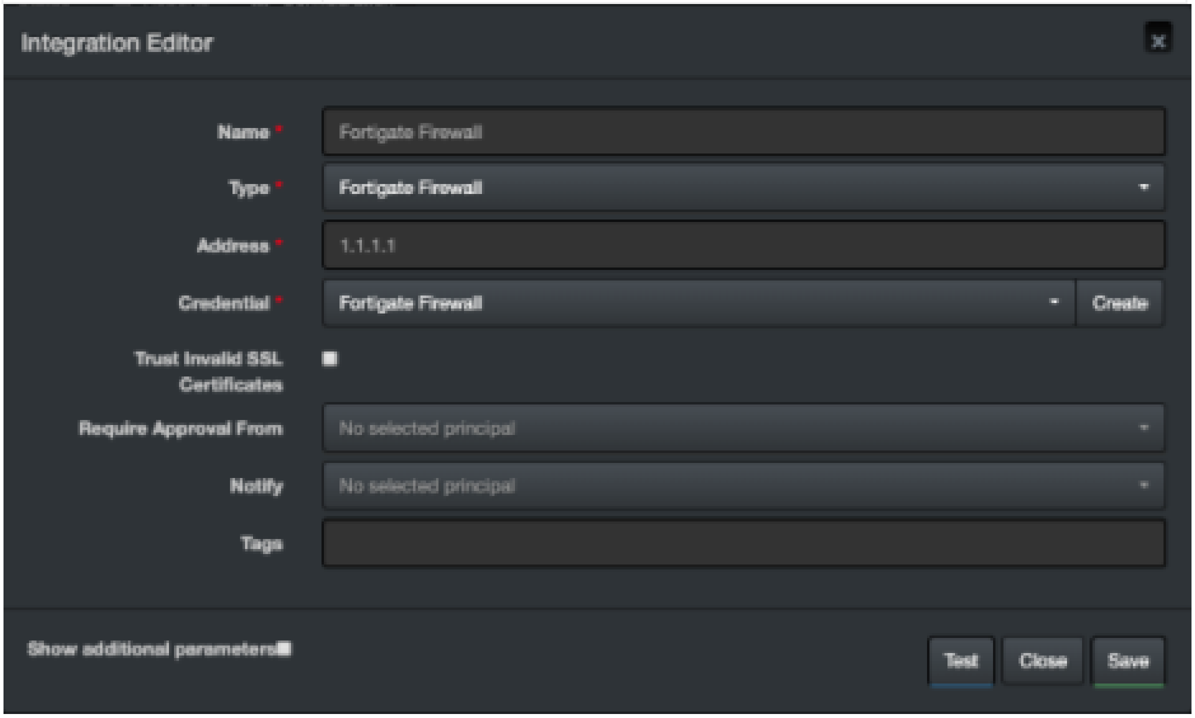
- Make sure SOAR has access to SSH as it connects to FortiGate Firewall integration using it
- A user’s credential with admin role
- An empty rule to be used by SOAR to block offending IP addresses

Configuring SOAR

1. To create the integration, navigate to **Configuration** > **Integrations**.
2. Specify the following parameter values in the **Integrations editor**:

Parameter	Value
Name	Display name of the integration
Type	Fortigate Firewall
Address	Address of the integration (in the following format: 1.1.1.1 or abc.example.com)
Credential	Credential defined under the **Credentials menu**

Parameter	Value
Trust Invalid SSL Certificates	Select this if device’s certificate is self-signed or is not recognized by browsers
Require Approval From	Select users from the list who can provide approval before executing actions on this integration
Notify	Select users from the list to notify when SOAR performs an action on this integration



Name * Fortigate Firewall

Type * Fortigate Firewall

Address * 1.1.1.1

Credential * Fortigate Firewall

Trust Invalid SSL Certificates □

Require Approval From No selected principal

Notify No selected principal

Tags

3. Click **Test** to test the integration.
4. Click **Save** to complete the integration.

Additional Notes

You might have to review the actions that are defined and executed using the Fortigate Firewall custom scripts for SOAR. To access these custom scripts, navigate to **Configuration** > **Custom Scripts**.

The following custom scripts are specific to this device:

- FortiGate Firewall SSH Device Action (Block) Default Template
- FortiGate Firewall Availability Check Default Template

Integration Guide for Fortinet FortiAnalyzer

Integration Overview

Fortinet FortiAnalyzer is a central log collection and analysis tool for Fortinet products. SOAR can query FortiAnalyzer (FAZ) for scope items to enrich incident data and to search the past events for emerging threats.

Integration Capabilities

ArcSight SOAR has the following enrichment capabilities with Fortinet FortiAnalyzer:

- Accepted Traffic Logs : This query returns accepted traffic logs to or from the selected scope item and the time frame might be between 1 hour to 12 hours.
- URL Access Logs : This query returns the events that record access to the selected URL and the time frame might be between 1 hour to 12 hours.

Configuring Fortinet FortiAnalyzer

Web services must be enabled on the network interface to which the client connects.

1. To enable web services for an interface, navigate to **System Settings** > **Network** > **Interface**.
2. Select **Edit** for the interface for which you need to enable the web services.
3. In the **Administrative Access** section, select **Web Service**.
4. Select **OK** to apply the changes.
5. Create a user with a custom profile.

> **Note:** This user profile requires access to **Log View/FortiView/NOC - SOC** component and **ADOM’s** SOAR.

Configuring SOAR

1. Click **Configurtion** > **Credentials** > **Create Credential**.
2. Specify the following parameter values in the **Credential Editor** form:

a. **Internal credential:**

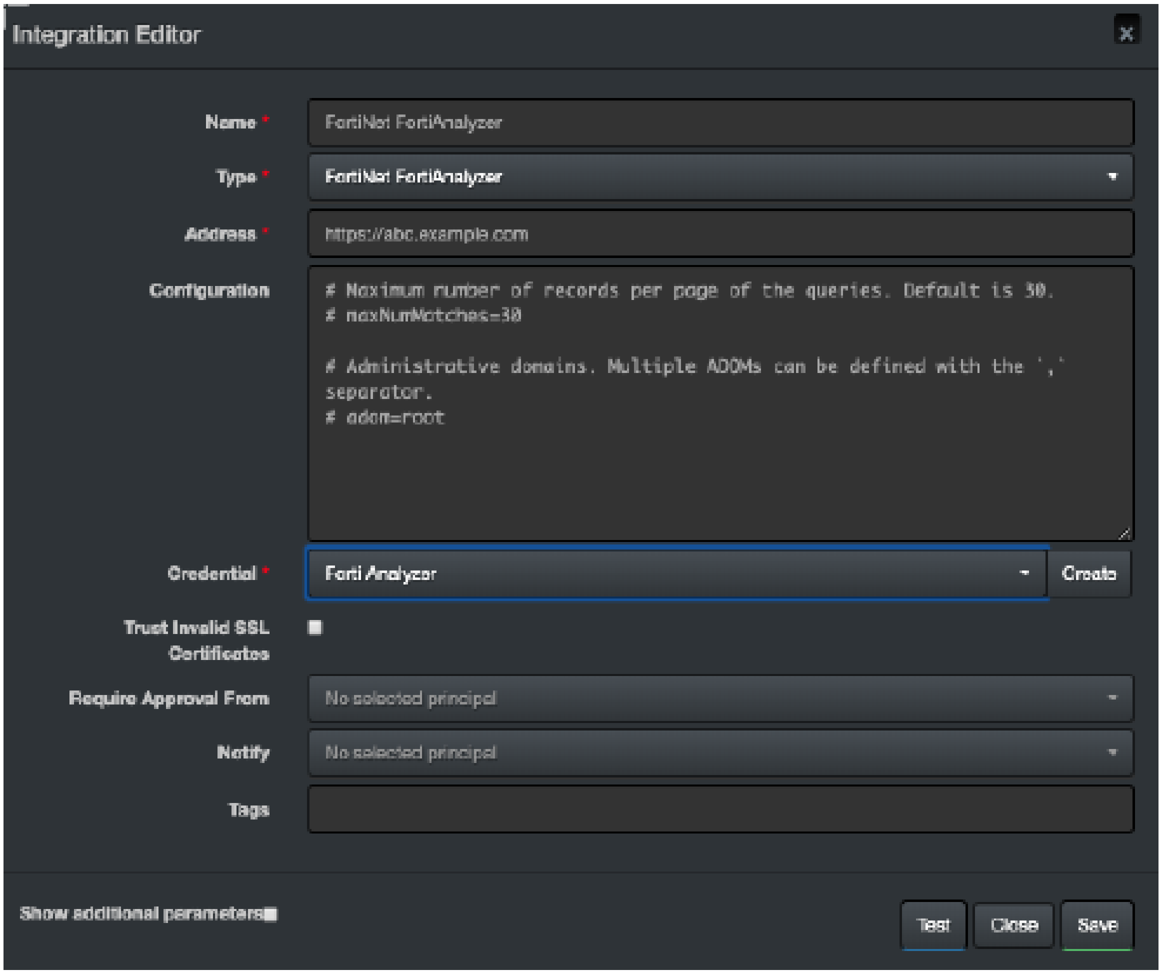
Parameter	**Value**
Type	Internal credential
Name	Display name of the credential set (For example, Fortinet FortiAnalyzer)
Username	API Key created on Fortinet FortiAnalyzer
Password	API Password for the key created on Fortinet FortiAnalyzer
Private Key	Empty

b. **Credential Store:**

Parameter	**Value**
Type	External credential
Name	Name of the credential with pull path of the safe on store

3. Click **Configuration** > **integrations** > **Create Integration**.
4. Specify the following configuration parameter values in the **Configuration form**:

Parameter	**Value**
Name	Display name of Fortinet FortiAnalyzer integration on SOAR
Type	Fortinet FortiAnalyzer
Address	Address of the integration (in the following format: 1.1.1.1 or http[s]://abc.example.com)
Credential	Name of the credential set created on step 2 (for example, Fortinet FortiAnalyzer Credentials)
Configuration	Specify the following configuration parameters: `maxNumMatches:` Define the number of results SOAR shows per page of query `adom:` ADOM’s SOAR query to get logs from
Require Approval From	Select users from the list who can provide approval before executing actions on this integration
Notify	Select users from the list to notify when SOAR performs an action on this integration



Name * FortiNet FortiAnalyzer

Type * FortiNet FortiAnalyzer

Address * https://abc.example.com

Configuration

```
# Maximum number of records per page of the queries. Default is 30.
# maxNumMatches=30

# Administrative domains. Multiple ADOMs can be defined with the ','
separator.
# adom=root
```

Credential * Forti Analyzer

Trust Invalid SSL Certificates □

Require Approval From No selected principal

Notify No selected principal

Tags

Show additional parameters □

5. Click **Test** to test the integration.
6. Click **Save** to save the integration.

Integration Guide for Fortinet FortiDDoS

Integration Overview

FortiDDoS is a network behavior anomaly (NBA) prevention system that detects and blocks attacks that intend to disrupt network service (distributed denial of service (DDoS) attacks) by over utilizing server resources.

Integration Capabilities

ArcSight SOAR has the following integration capabilities with FortiDDoS:

- Block IP and Hostname

Use Case: Blocking malicious IP on peripheral

SOAR integrates with FortiDDoS to block malicious IP addresses detected while responding tp an incident. Blocking can be performed automatically within a playbook or manually by an analyst.

Configuration

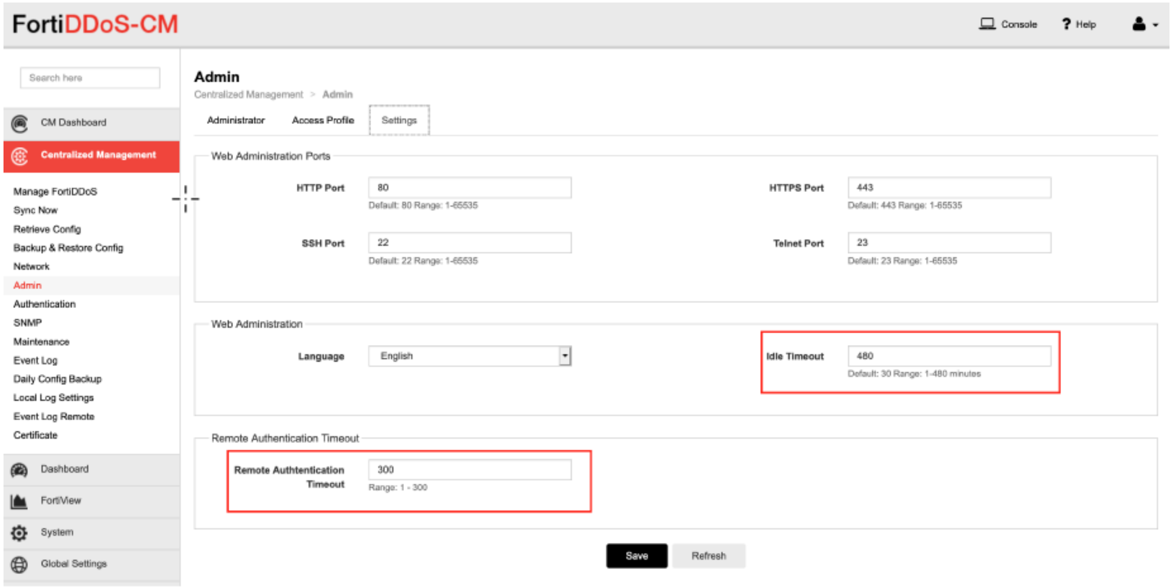
Prerequisites

- FortiDDoS version 4.7 and 5.1
- Access to tcp port 443 as SOAR connects to FortiDDoS’ API using HTTPS
- An administrator user account for SOAR to connect to FortiDDoS

Configuring FortiDDoS

1. To add a new SOAR user with the required access profile permissions, navigate to **System** > **Admin** > **Access Profile**.
2. In the Access profile form, select **Global Settings** and **Protection profiles**with **Read & Write** permissions.
3. Navigate to **System** > **Admin** > **Administrator**.

4. To add an administrator with the profile created in the previous step, select **Enable** for **Allow API Access**.
5. (Optional) To specify **Remote Authentication** and **Idle timeout** values, navigate to **Centralized Management** > **Admin**.



Admin

Centralized Management > Admin

Web Administration Ports

HTTP Port: 80 — Default: 80 Range: 1-65535

HTTPS Port: 443 — Default: 443 Range: 1-65535

SSH Port: 22 — Default: 22 Range: 1-65535

Telnet Port: 23 — Default: 23 Range: 1-65535

Web Administration

Language: English

Idle Timeout: 480 — Default: 30 Range: 1-480 minutes

Remote Authentication Timeout

Remote Authtentication Timeout: 300 — Range: 1 - 300

6. Click **Save** to save the changes.

Configuring SOAR

1. Click **Configuration** > **Credentials** > **Create Credential**.
2. Specify the **Credential Editor** with the following parameter values:

   a. **Internal Credential**

Parameter	Value
Type	Internal Credential
Name	Display name of credential set (For example, FortiDDoS Credentials)
Username	User created on FortiMail for SOAR
Password	Password of the user that was created for SOAR on FortiMail
Private Key	Empty

   b. **Credential Store:**

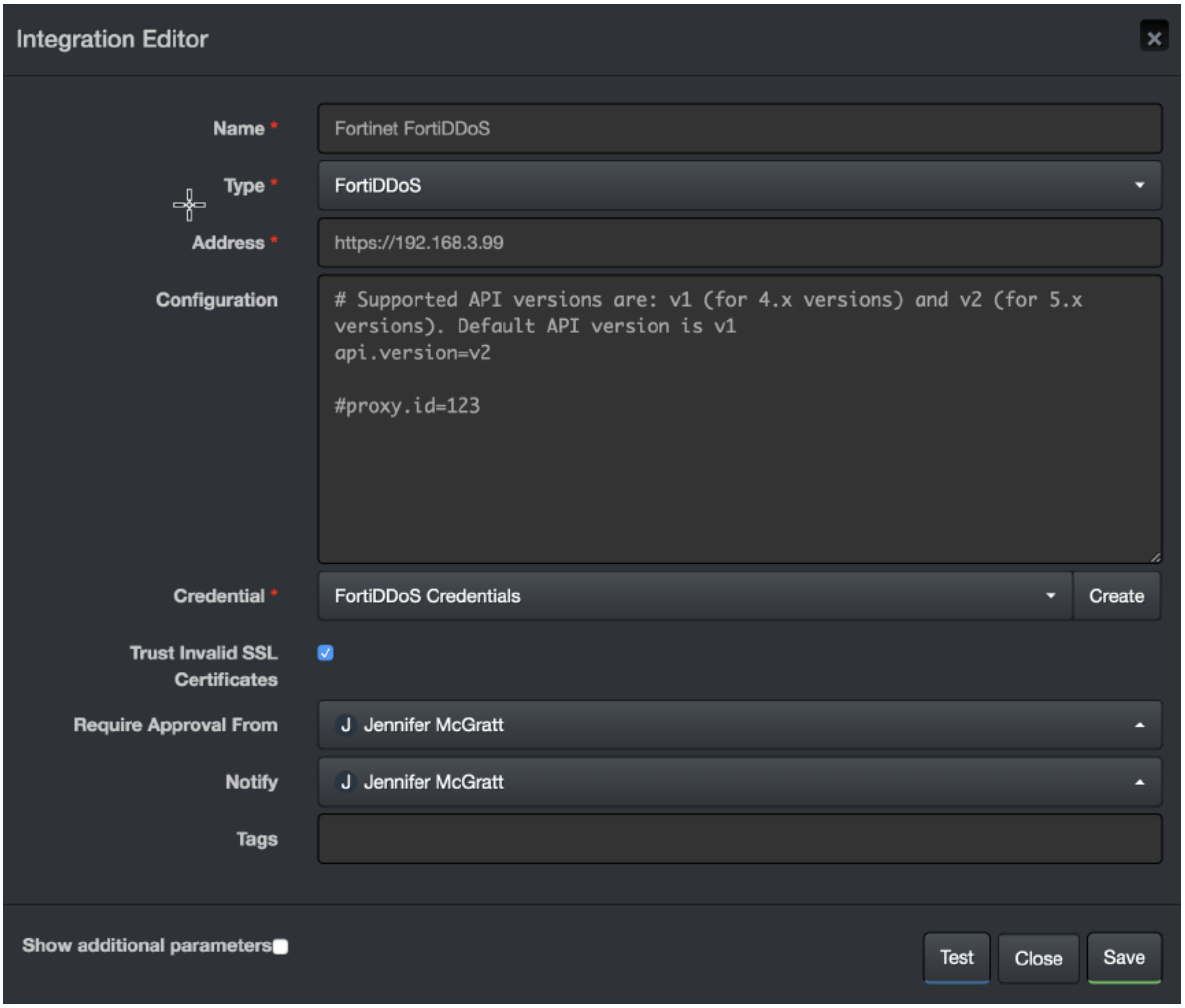
Parameter	Value
Type	External Credential
Name	Name of the credential with pull path of the safe on store

3. Click **Configuration** > **Integrations** > **Create Integration**.
4. Specify the following parameter values in the **Configuration** form:

Parameter	Value
Name	Display name of FortiDDoS integration on SOAR
Type	FortiDDoS
Address	Address of the integration (in the following format: https://192.168.3.99)

Configuration	Specify the following configuration parameters:
	`# Supported API versions are: v1 (for 4.x versions)`
	`and v2 (for 5.x versions). Default api.version=v2`
	`#proxy.id=123`

Credential	Name of the credential set created on step 2 (For example, FortiDDoS Credentials)
Trust Invalid SSL Certificates	Select this if Integrations's certificate is self-signed or is not recognized by browsers.
Require Approval From	Select users from the list who can provide approval before executing actions on this integration
Notify	Select users from the list to notify when SOAR performs an action on this integration



Name * Fortinet FortiDDoS

Type * FortiDDoS

Address * https://192.168.3.99

Configuration

```
# Supported API versions are: v1 (for 4.x versions) and v2 (for 5.x
versions). Default API version is v1
api.version=v2

#proxy.id=123
```

Credential * FortiDDoS Credentials

Trust Invalid SSL Certificates ☑

Require Approval From J Jennifer McGratt

Notify J Jennifer McGratt

Tags

Show additional parameters □

5. Click **Test** to test the integration.
6. Click **Save** to complete the integration.

Integration Guide for Fortinet FortiGate API

Integration Overview

Fortinet FortiGate is an industry leading next generation security platform.

Integration Capabilities

ArcSight SOAR has the following integration capabilities with Fortinet FortiGate API:

- Action
- Block IP
- Block FQDN
- Block URL

Use Case: Blocking malicious artifacts detected through alerts

SOAR automatically executes playbooks and blocks malicious artifacts on FortiGate platform. The artifacts IP, Domain and URL can be blocked using SOAR.

Configuration

Prerequisites

- Access to tcp port 443 as SOAR connects to Fortinet FortiGate API using HTTPS
- A user account with necessary permissions on the FortiGate platform

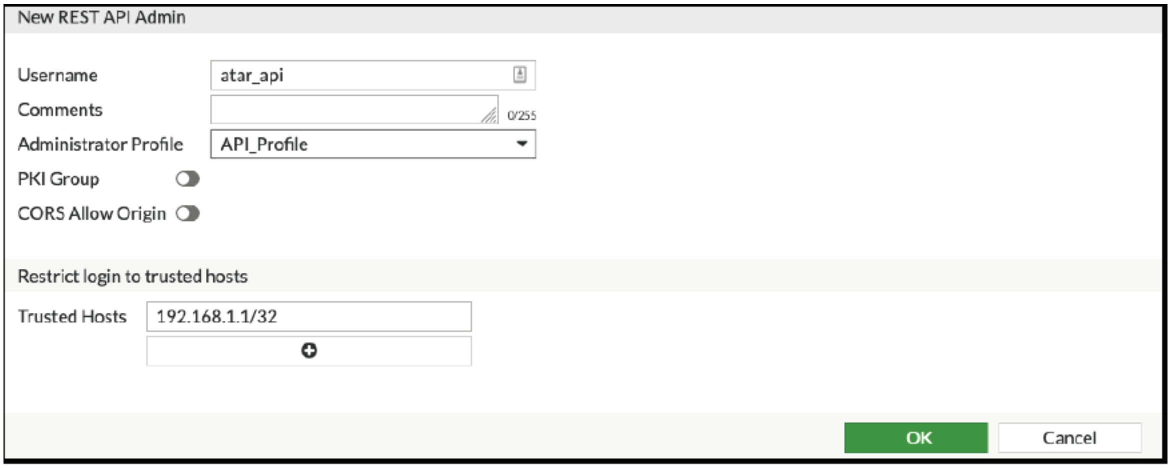
Configuring Fortinet FortiGate

1. To create a user, navigate to **System** > **Administrators**.
2. Click **Create New** and select **REST API Admin**.
3. Specify the following values in the **New REST API Admin** form:

   Username: <SOAR user name>

   Administrator Profile: <profile name>

Trusted Hosts: A subnet that covers SOAR's API address



New REST API Admin

Username: atar_api

Comments: 0/255

Administrator Profile: API_Profile

PKI Group

CORS Allow Origin

Restrict login to trusted hosts

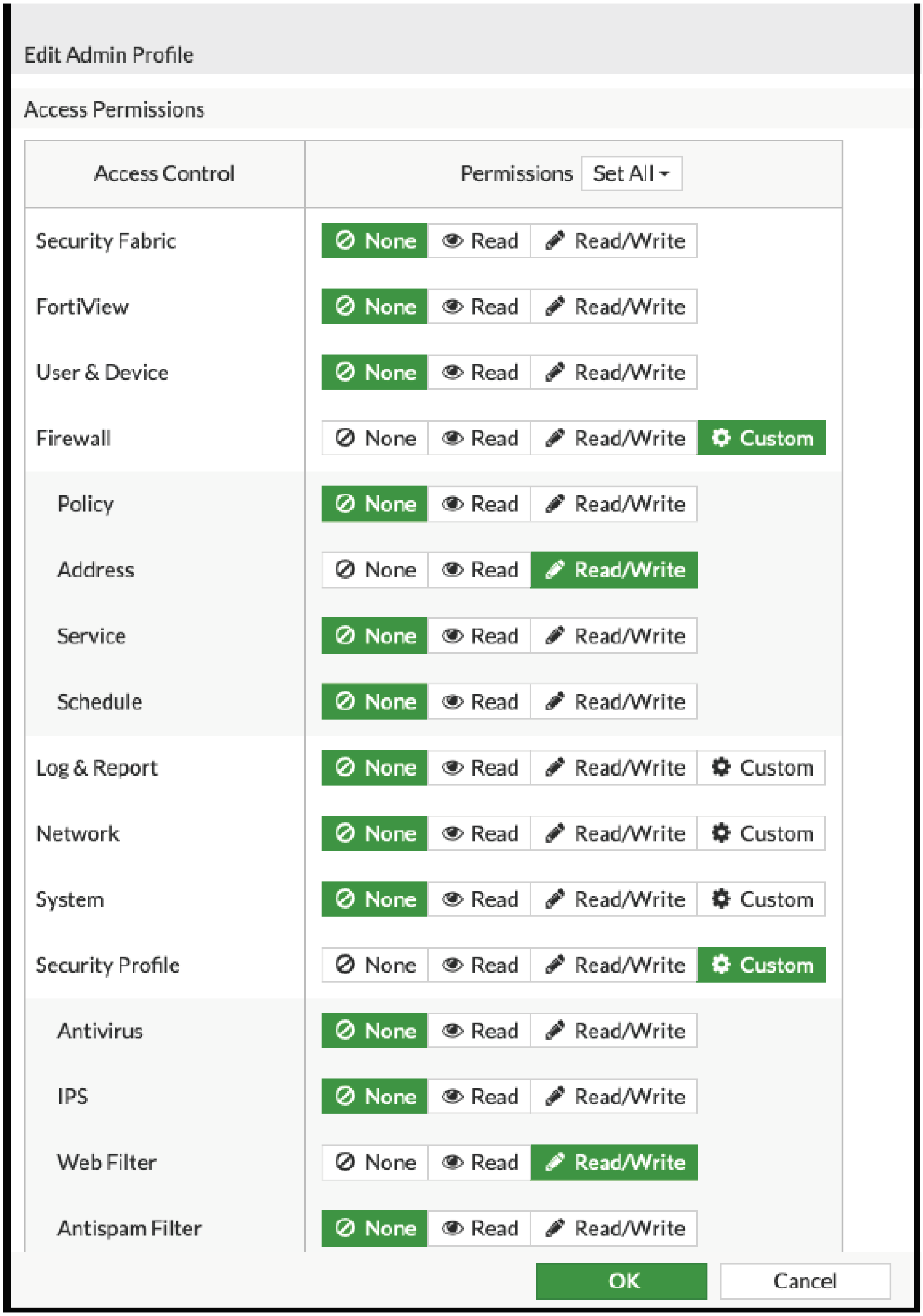
Trusted Hosts: 192.168.1.1/32

Note: Use the IP address that SOAR uses and **0.0.0.0/0** must not be used as an IP address.

4. To create a profile, click **+** in the **Admin Profile** window.
5. Select **Read/Write** persmissions for the following groups:

   Firewall > **Address**

   Security > **Web Filter**



Edit Admin Profile

Access Permissions

Access Control	Permissions Set All ▾
Security Fabric	[✓ None] Read Read/Write
FortiView	[✓ None] Read Read/Write
User & Device	[✓ None] Read Read/Write
Firewall	None Read Read/Write [✓ Custom]
Policy	[✓ None] Read Read/Write
Address	None Read [✓ Read/Write]
Service	[✓ None] Read Read/Write
Schedule	[✓ None] Read Read/Write
Log & Report	[✓ None] Read Read/Write Custom
Network	[✓ None] Read Read/Write Custom
System	[✓ None] Read Read/Write Custom
Security Profile	None Read Read/Write [✓ Custom]
Antivirus	[✓ None] Read Read/Write
IPS	[✓ None] Read Read/Write
Web Filter	None Read [✓ Read/Write]
Antispam Filter	[✓ None] Read Read/Write

6. Click **OK** to save the profile and save the API key.

Configuring SOAR

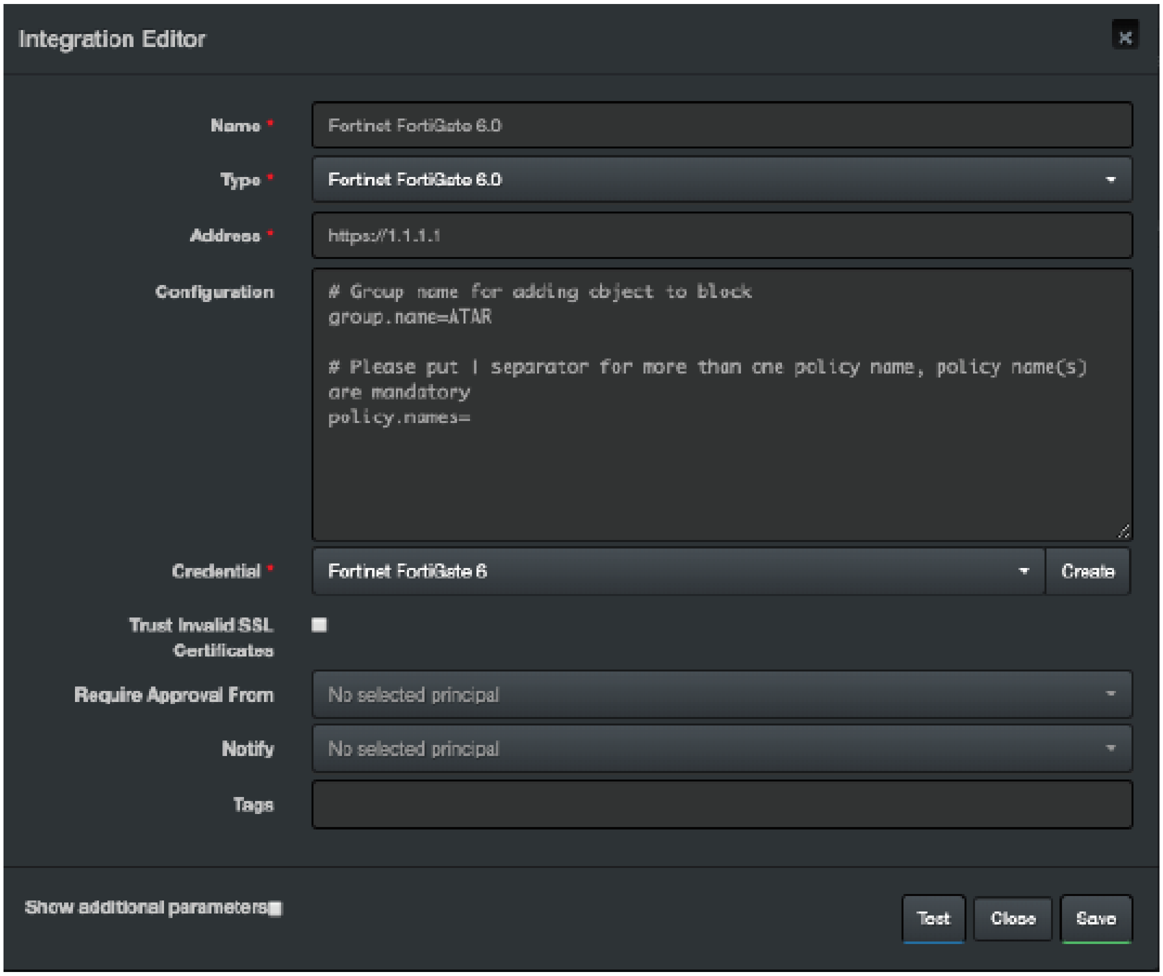
1. Click **Configuration** > **Credentials** > **Create Credential**.
2. Specify the **Credential Editor** with the following parameter values:
   a. **Internal Credential**

Parameter	Value
Type	Internal Credential
Name	Display name of credential set (For example, Fortinet FortiGate Credentials)
Username	Empty
Password	Empty
Private Key	Enter the API Key generated by FortiGate

Note: Fortinet FortiGate requires private key and External Credential is not used.

3. Click **Configuration** > **Integrations** > **Create Integration**.
4. Specify the following parameter values in the **Configuration** form:

Parameter	Value
Name	Display name of Fortinet FortiGate integration on SOAR
Type	Fortinet FortiGate 6.0
Address	Address of the firewall
Configuration	Specify the following configuration parameters: `group.name:` Group name for adding objects to be blocked. This Address Group will be created on FortiGate and then can be used in policies as the admin see fit `policy.names:` Policy names to be used to block URL. '|' is used as separator for policies and SOAR writes the URL to all the policies defined
Credential	Name of the credential set that was created on step 2 (For example, Fortinet FortiGate Credentials)
Trust Invalid SSL Certificates	Select this if Integrations's certificate is self-signed or is not recognized by browsers
Require Approval From	Select users from the list who can provide approval before executing actions on this integration



Name * Fortinet FortiGate 6.0

Type * Fortinet FortiGate 6.0

Address * https://1.1.1.1

Configuration

```
# Group name for adding object to block
group.name=ATAR

# Please put | separator for more than one policy name, policy name(s)
are mandatory
policy.names=
```

Credential * Fortinet FortiGate 6

Trust Invalid SSL Certificates □

Require Approval From: No selected principal

Notify: No selected principal

Tags

5. Click **Save** to complete the integration.

Additional Notes

- The API Key to work properly requires access to HTTPS and for security reasons as well.

> **Note:** By default, HTTP access is enabled in FortiGate. However, in production environment, it is recommneded to disable the HTTP access.

- If you have multiple policies on the integration configuration and if one of the policy's URL filter is disabled, SOAR with Fortinet integration displays no specific error message. In such case, you might encounter the following error message:

  None of policy names in t he configuration are present in the Fortinet FortiGate server.

Integration Guide for Fortinet FortiMail

Integration Overview

Fortinet FortiMail secure email gateway utilizes the latest technologies and security services from FortiGuard Labs to protect from common and advanced threats while integrating robust data protection capabilities to avoid data loss.

Integration Capabilities

ArcSight SOAR has the following integration capabilities with FortiMail:

- Add to Block List
- Block

Use Case: Blocking malicious sender

SOAR integrates with FortiMail to block malicious email addresses detected while responding to an incident. The blocking can either be performed automatically within a playbook or manually by an analyst.

Configuration

Prerequisites

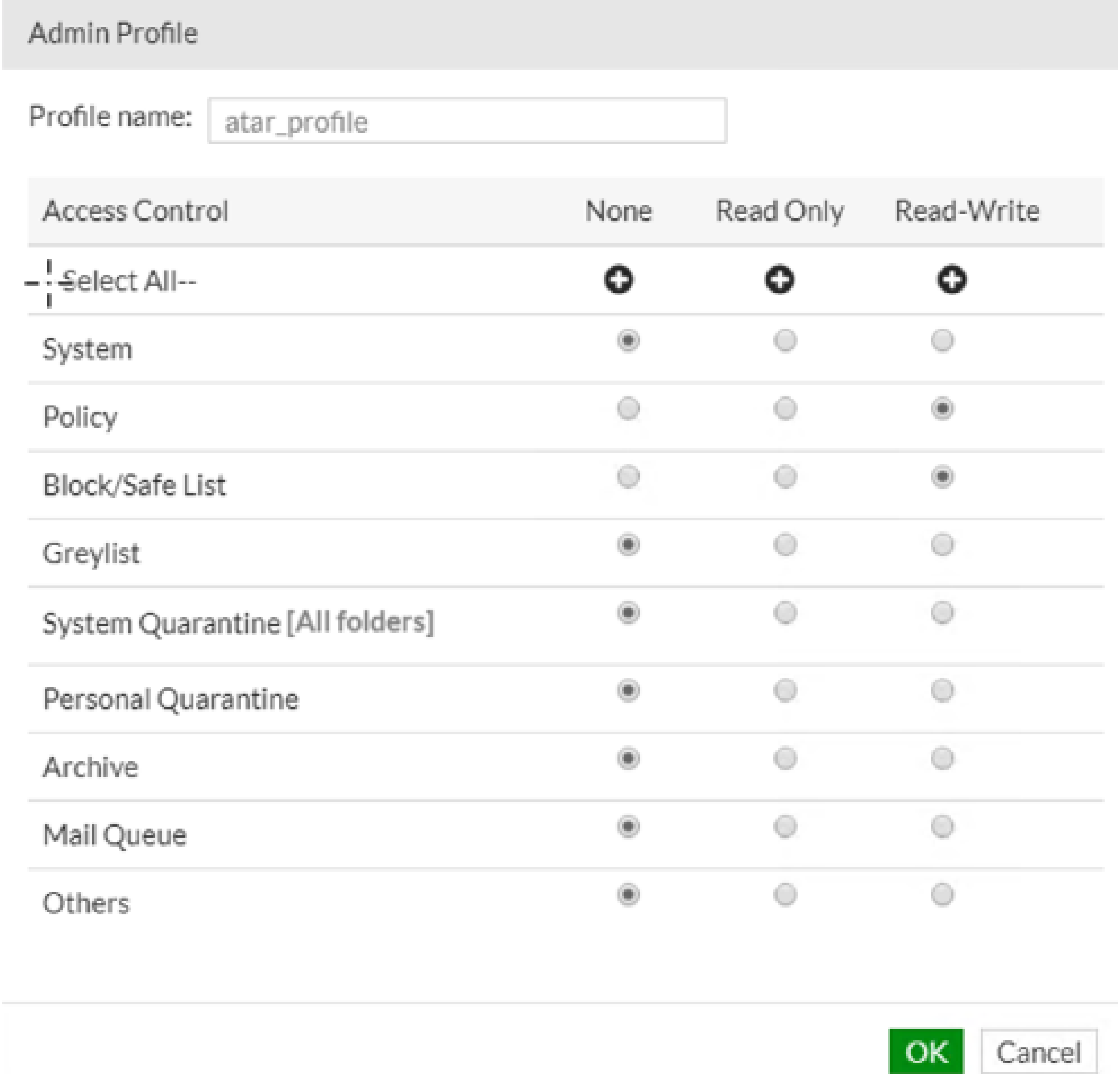
- FortiMail version 6.2.2(GA) and later
- Access to tcp port 443 as SOAR connects to FortiMail API using it
- An administrator user account for SOAR to connect to FortiMail

Configuring FortiMail

1. By default, REST-API service is disabled on FortiMail. To enable it, use the following CLI command:

```
config system global
   set rest-api enable
   end
```

2. Navigate to **System** > **Administrator** > **Admin Profile**.
3. Select **Policy**, **Block/Safe List** with **Read-Write** support and create an admin profile in the **Admin Profile** form.

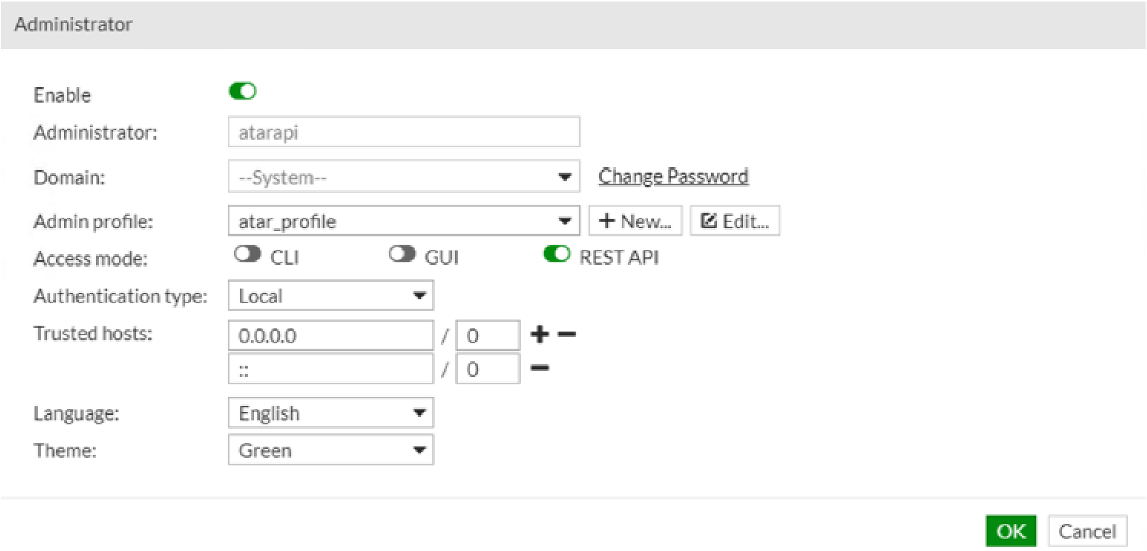


Admin Profile

Profile name: atar_profile

Access Control	None	Read Only	Read-Write
--Select All--	⊕	⊕	⊕
System	●	○	○
Policy	○	○	●
Block/Safe List	○	○	●
Greylist	●	○	○
System Quarantine [All folders]	●	○	○
Personal Quarantine	●	○	○
Archive	●	○	○
Mail Queue	●	○	○
Others	●	○	○

4. Navigate to **System** > **Administrator** > **Administrator**.
5. Create a new administrator account with the profile that you have created in the previous step.



Administrator

Enable: ●

Administrator: atarapi

Domain: --System--

Admin profile: atar_profile

Access mode: ○ CLI ○ GUI ● REST API

Authentication type: Local

Trusted hosts: 0.0.0.0 / 0
:: / 0

Language: English

Theme: Green

Configuring SOAR

1. Click **Configuration** > **Credentials** > **Create Credential**.
2. Specify the **Credential Editor** with the following parameter values:
   a. **Internal Credential**

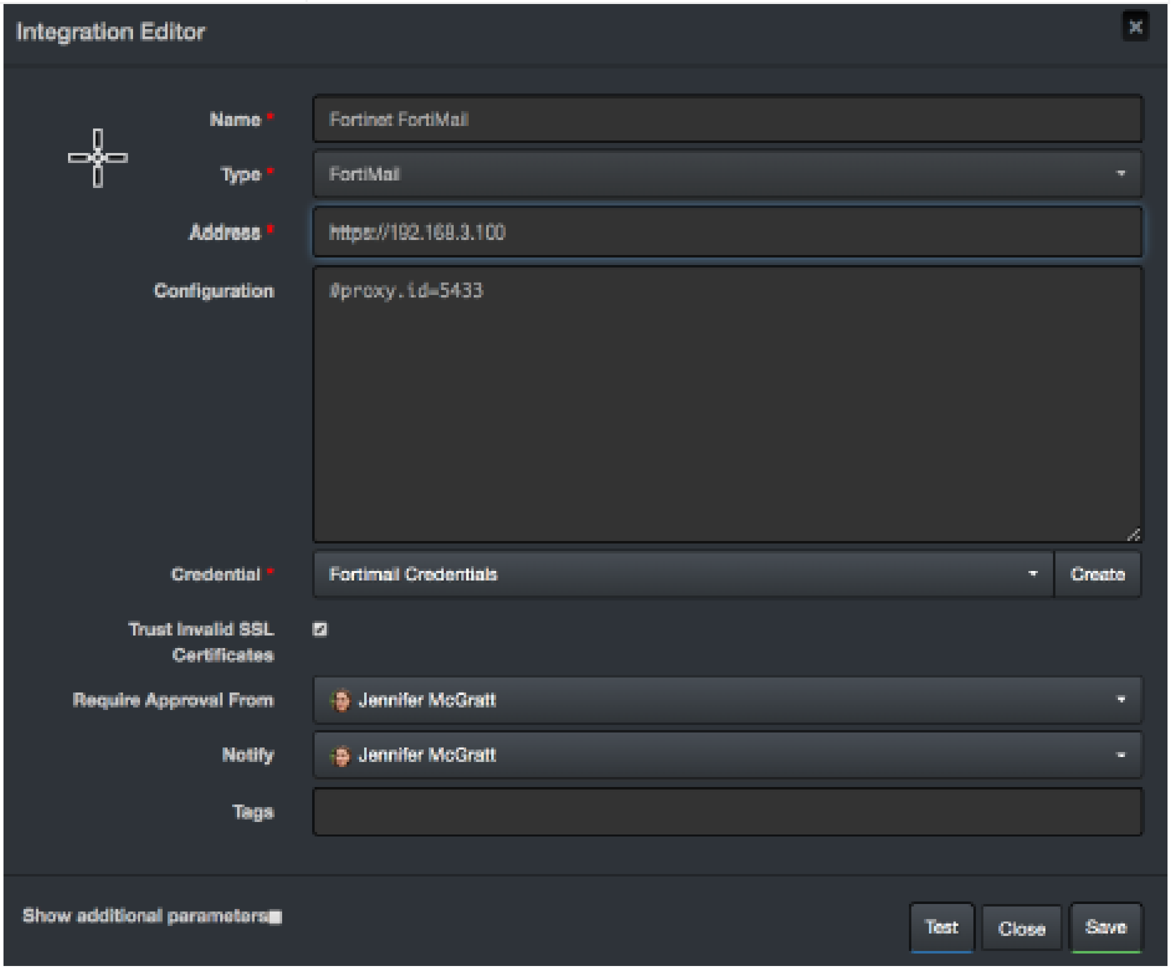
Parameter	Value
Type	Internal Credential
Name	Display name of credential set (For example, FortiMail Credentials)
Username	User created on FortiMail for SOAR
Password	Password of the user created on FortiMail for SOAR
Private Key	Empty

   b. **Credential Store:**

Parameter	Value
Type	External Credential
Name	Name of the credential with pull path of the safe on store

3. Click **Configuration** > **Integrations** > **Create Integration**.
4. Specify the following parameter values in the **Configuration** form:

Parameter	Value
Name	Display name of FortiMail integration on SOAR
Type	FortiMail
Address	Address of the integration (in the following format: https://192.168.3.100)
Configuration	Specify the following configuration parameters: `#proxy.id=5433`
Credential	Name of the credential set created on step 2 (For example, FortiMail Credentials)
Trust Invalid SSL Certificates	Select this if Integrations's certificate is self-signed or is not recognized by browsers.
Require Approval From	Select users from the list who can provide approval before executing actions on this integration
Notify	Select users from the list to notify when SOAR performs an action on this integration



Integration Editor

Name * Fortinet FortiMail

Type * FortiMail

Address * https://192.168.3.100

Configuration

```
#proxy.id=5433
```

Credential * Fortimail Credentials

Trust Invalid SSL Certificates ☑

Require Approval From Jennifer McGratt

Notify Jennifer McGratt

Tags

5. Click **Test** to test the integration.

6. Click **Save** to complete the integration.

Additional Notes

Add to Block List capability uses the **Security** > **System** > **Blocklist**, whereas **Block capability** uses the **Policy** > **Access Control**.

Integration Guide for Fortinet FortiManager

Integration Overview

Fortinet FortiManager is a centralized management unit for Fortinet family devices. It provides best compliance practices and workflow automation. This integration has been tested with Fortinet FortiManager v5.6.2-build1631 180124 (GA) firmware version.

Integration Capabilities

ArcSight SOAR has the following integration capabilities with FortiManager:

- Block file on an connected Fortinet family device (For example, Fortinet NGFW, Fortinet FortiMail, etc)
- Block IP address on an connected Fortinet family device (For example, Fortinet NGFW, Fortinet FortiMail, etc)
- Block username on an connected Fortinet family device (For example, Fortinet NGFW)
- Block email on an connected Fortinet family device (For example, Fortinet FortiMail)

Use case: Mitigating Compromised Account Cases

SIEM, with the help of intelligence sources, creates an alarm. It compromises the suspected email accounts of the employees. SOAR integrates with Fortinet FortiManager and automatically blocks the outgoing emails and the incoming and outgoing traffic. This blocking can either be performed automatically within a playbook or manually by an analyst.

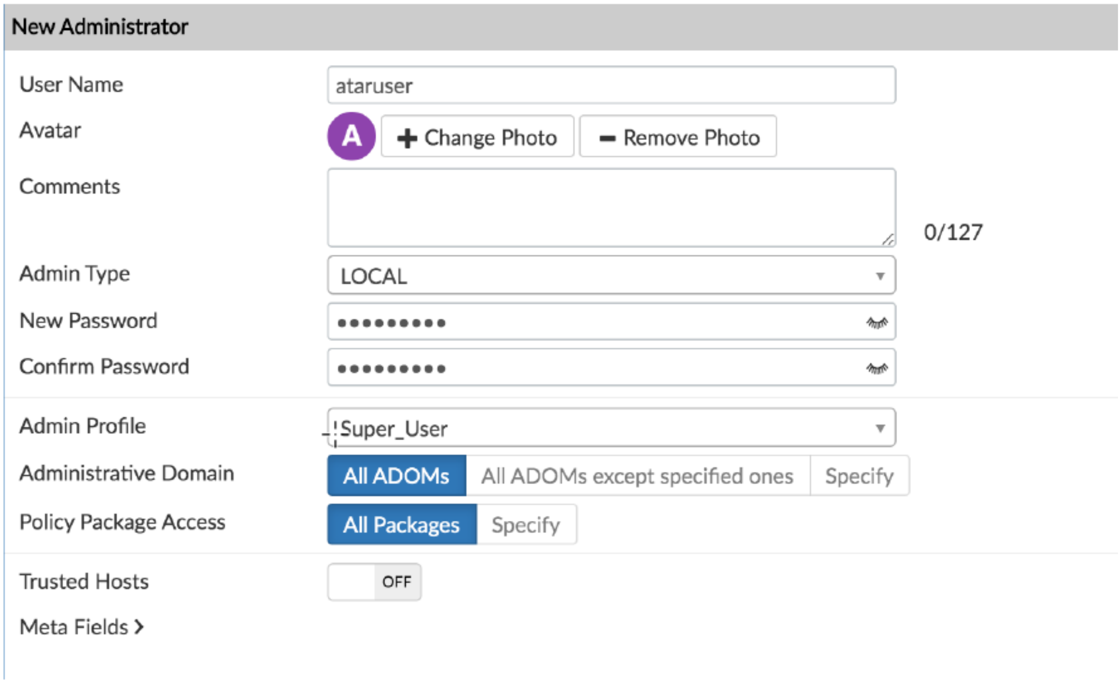
Prerequisites

- Access to tcp port 443 as SOAR connects to Fortinet FortiManager using HTTPS
- A user account for SOAR to connect to Forti Manager

Configuration

Configuring FortiManager

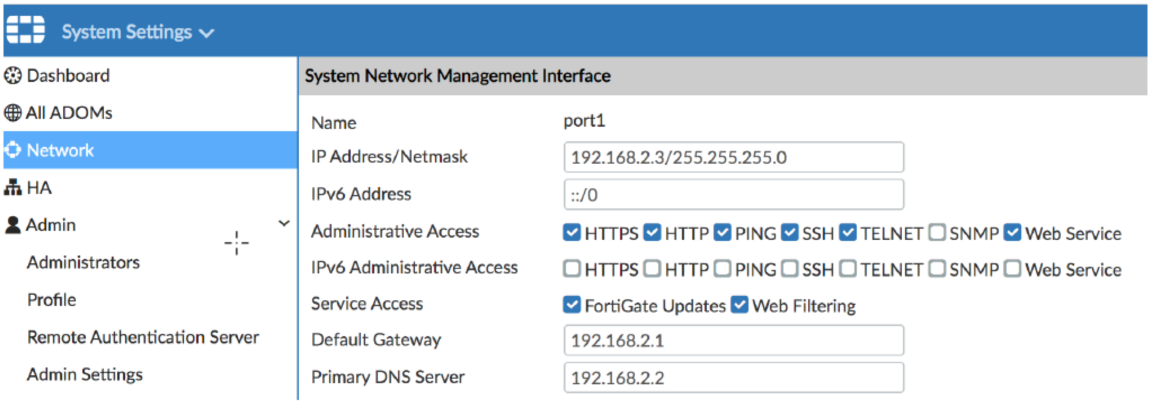
1. Navigate to **System Settings** > **Admin** > **Administrators**.
2. To create a profile with Super_User account, specify the following values in the **New Administrator** form:
    - **Username:** <SOAR username>
    - **Admin Type:** Local
    - **New Password:** <Specify the password>
    - **Confirm Password:**< Confirm the password entered in the **Password** field>
    - **Admin Profile:** Super_User



New Administrator

User Name	ataruser
Avatar	A + Change Photo − Remove Photo
Comments	0/127
Admin Type	LOCAL
New Password	•••••••••
Confirm Password	•••••••••
Admin Profile	Super_User
Administrative Domain	All ADOMs | All ADOMs except specified ones | Specify
Policy Package Access	All Packages | Specify
Trusted Hosts	OFF
Meta Fields >	

3. Navigate to **System Settings** > **Network**.
4. Enable the **Web Service** in the **Administrative Access**.



System Network Management Interface

Name	port1
IP Address/Netmask	192.168.2.3/255.255.255.0
IPv6 Address	::/0
Administrative Access	☑ HTTPS ☑ HTTP ☑ PING ☑ SSH ☑ TELNET □ SNMP ☑ Web Service
IPv6 Administrative Access	□ HTTPS □ HTTP □ PING □ SSH □ TELNET □ SNMP □ Web Service
Service Access	☑ FortiGate Updates ☑ Web Filtering
Default Gateway	192.168.2.1
Primary DNS Server	192.168.2.2

Configuring SOAR

1. Click **Configuration** > **Credentials** > **Create Credential**.
2. Specify the following parameter values in the **Credential Editor**:

    a. **Internal Credential**

Parameter	Value
Type	Internal Credential
Name	Display name of credential set (For example, Forti Manager Credentials)
Username	User that was created for SOAR on Forti Manager
Password	Password of the user that was created for SOAR on Forti Manager
Private Key	Empty

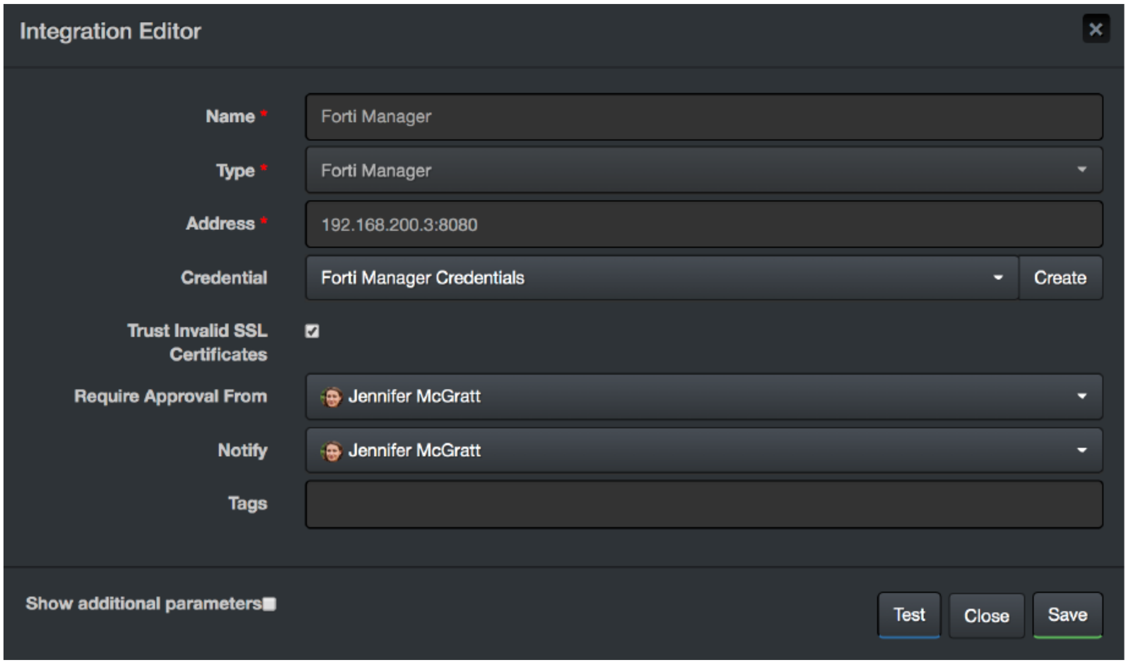
    b. **Credential Store:**

Parameter	Value
Type	External Credential
Name	Name of the credential with pull path of the safe on store

3. Click **Configuration** > **Integrations** > **Create Integration**.
4. Specify the following parameter values in the **Configuration** form:

Parameter	Value
Name	Display name of FortiMail integration on SOAR
Type	Forti Manager
Address	Address of the integration (in the following format: https://192.168.2.2:8080)

Parameter	Value
Credential	Name of the credential set created on step 2 (For example, Forti Manager Credentials)
Trust Invalid SSL Certificates	Select this if Forti Manager's certificate is self signed or is not recognized by browsers
Require Approval From	Select users from the list who can provide approval before executing actions on this integration
Notify	Select users from the list to notify when SOAR performs an action on this integration


Integration Editor

Name * Forti Manager

Type * Forti Manager

Address * 192.168.200.3:8080

Credential Forti Manager Credentials

Trust Invalid SSL Certificates ☑

Require Approval From Jennifer McGratt

Notify Jennifer McGratt

Tags

5. Click **Test** to test the integration.
6. Click **Save** to complete the integration.

Additional Notes

Commands to be run on Forti Gate firewall devices are defined as Advanced Action Script. To access the default scripts navigate to **Configuration** > **Customization Library**.

Integration Guide for Fortinet FortiSandbox

Integration Overview

Fortinet Sandbox is a zero-day malware behavior analysis system. It enables organizations to defend against advanced threats such as ransomware by integrating various Fortinet technologies and other security products. Or is used as an extension to their on-premise security architectures to leverage complete control. This integration has been tested with Fortinet FortiSandbox 3.1.0 version.

Integration Capabilities

ArcSight SOAR has the following integration capabilities with Fortinet Sandbox:

- Query File Hash
- Analyze File
- Analyze URL

Use Case: Investigating Suspicious Files

During the investigation of a suspicious endpoint behavior, SOAR integrated with Fortinet Sandbox analyzes the behavior of potential malware and hashes and URLs detected on suspicious network traffic. This investigation can either be performed automatically within a playbook or manually by an analyst.

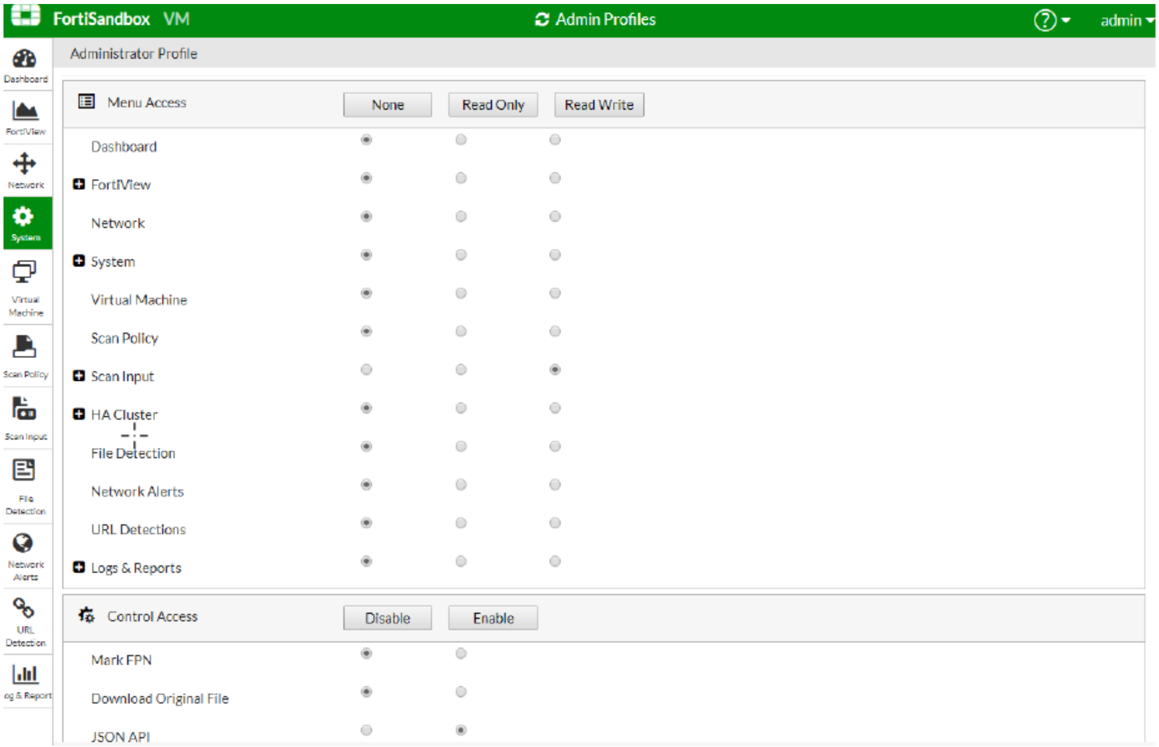
Configuration

Prerequisites

- Access to tcp port 443 as SOAR connects to Fortinet Sandbox API using HTTPS
- A user account is required for SOAR to connect to Fortinet Sandbox

Configuring Fortinet Sandbox

1. Navigate to **System** > **Admin Profiles**.
2. Create an Admin Profile with **Read/Write permission** for **SCAN INPUT** and select **Enable** for **JSON API**.

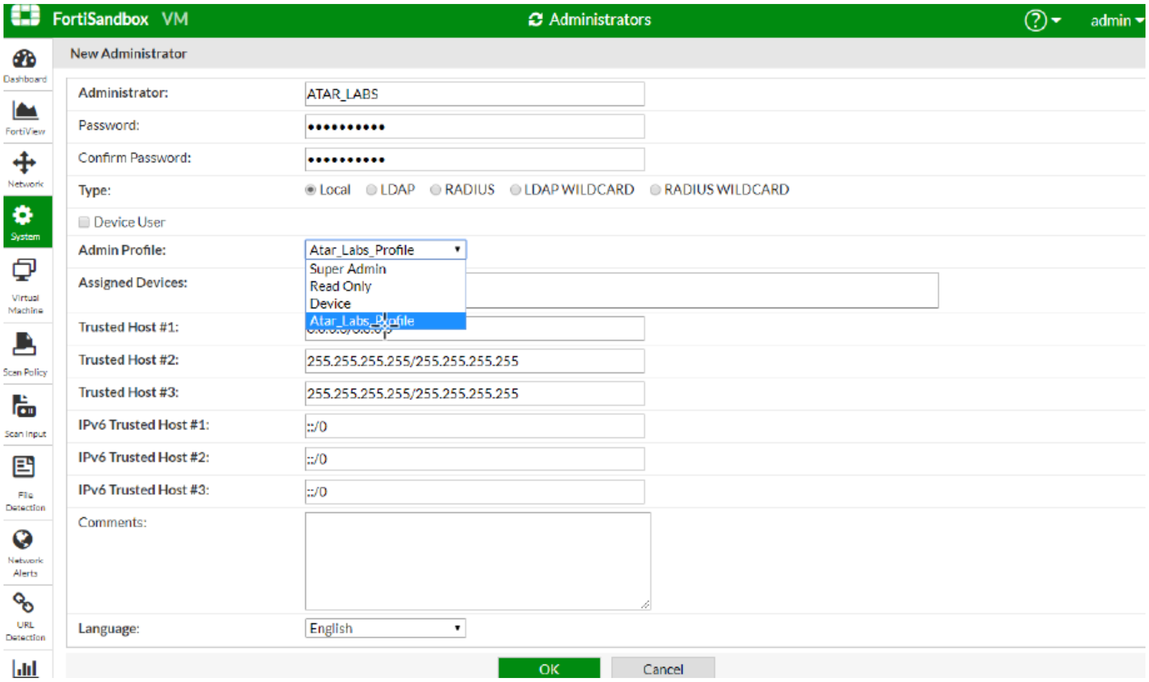


Administrator Profile

Menu Access	None	Read Only	Read Write
Dashboard	●	○	○
FortiView	●	○	○
Network	●	○	○
System	●	○	○
Virtual Machine	●	○	○
Scan Policy	●	○	○
Scan Input	○	○	●
HA Cluster	●	○	○
File Detection	●	○	○
Network Alerts	●	○	○
URL Detections	●	○	○
Logs & Reports	●	○	○

Control Access	Disable	Enable
Mark FPN	●	○
Download Original File	●	○
JSON API	○	●

3. Navigate to **System** > **Administrators**.
4. Create an **Administrator** account with the profile that is created in the previous step and specify the following values:
    - **Administrator:** SOAR_LABS
    - **Password:** <Specify the password>
    - **Confirm Password:** <Confirm the password spcified in the Password field>
    - **Type:** Select Local
    - **Admin Profile:** <Specify the profile name>



New Administrator

Administrator:	ATAR_LABS
Password:	••••••••••
Confirm Password:	••••••••••
Type:	● Local ○ LDAP ○ RADIUS ○ LDAP WILDCARD ○ RADIUS WILDCARD
□ Device User	
Admin Profile:	Atar_Labs_Profile Super Admin Read Only Device Atar_Labs_Profile
Assigned Devices:	
Trusted Host #1:	
Trusted Host #2:	255.255.255.255/255.255.255.255
Trusted Host #3:	255.255.255.255/255.255.255.255
IPv6 Trusted Host #1:	::/0
IPv6 Trusted Host #2:	::/0
IPv6 Trusted Host #3:	::/0
Comments:	
Language:	English

Configuring SOAR

1. Click **Configuration** > **Credentials** > **Create Credential.**
2. Specify the following parameter values in the **Credential Editor:**
   a. **Internal Credential**

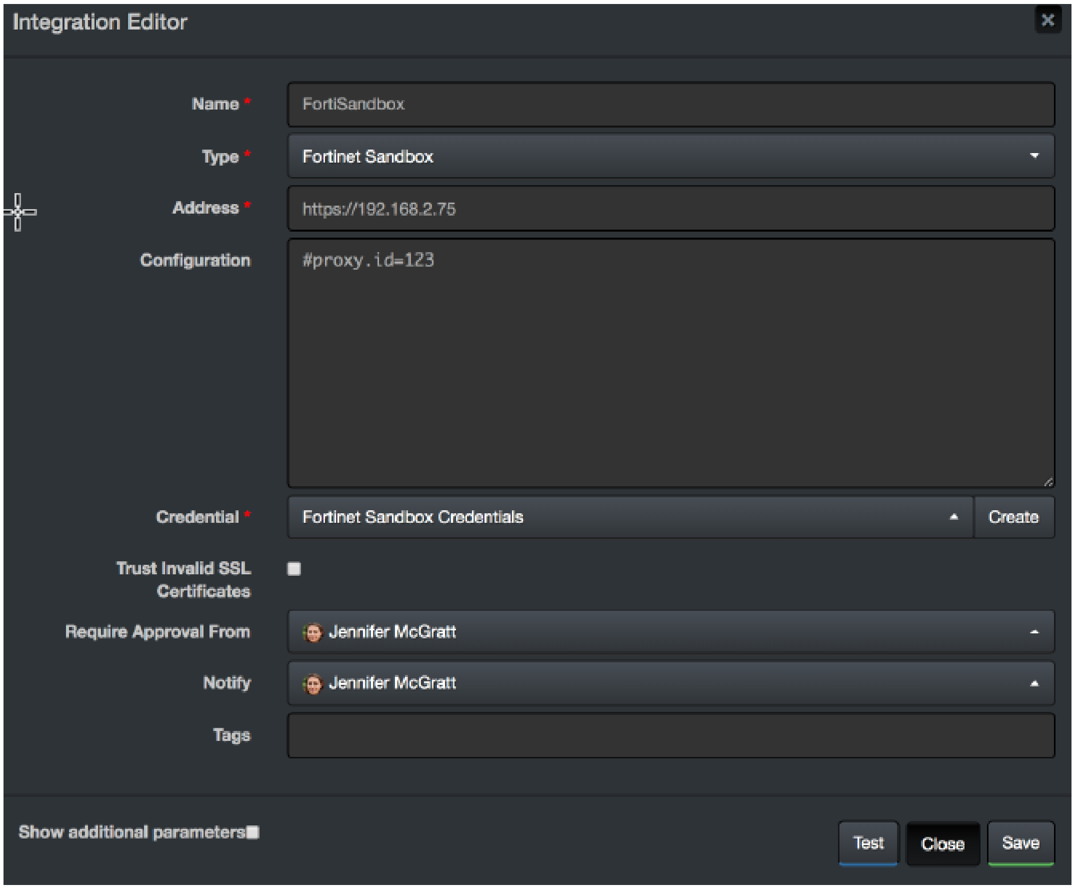
Parameter	Value
Type	Internal Credential
Name	Display name of credential set (For example, Fortinet Sandbox Credentials)
Username	User that was created on Fortinet Sandbox for SOAR
Password	Password of the user that was created for SOAR on Fortinet Sandbox
Private Key	Empty

   b. **Credential Store:**

Parameter	Value
Type	External Credential
Name	Name of the credential with pull path of the safe on store

3. Click **Configuration** > **Integrations** > **Create Integration.**
4. Specify the following parameter values in the **Configuration** form:

Parameter	Value
Name	Display name of Fortinet Sandbox integration on SOAR
Type	Fortinet Sandbox
Address	Address of the integration (in the following format: https://192.168.2.75)
Configuration	Specify the following configuration parameters: `#proxy.id=5442`
Credential	Name of the credential set created on step 2 (For example, Fortinet Sandbox Credentials)
Trust Invalid SSL Certificates	Select this if Web UI's certificate certificate is self-signed or is not recognized by browsers
Require Approval From	Select users from the list who can provide approval before executing actions on this integration
Notify	Not Applicable



Integration Editor

Name *	FortiSandbox
Type *	Fortinet Sandbox
Address *	https://192.168.2.75
Configuration	#proxy.id=123
Credential *	Fortinet Sandbox Credentials
Trust Invalid SSL Certificates	□
Require Approval From	Jennifer McGratt
Notify	Jennifer McGratt
Tags	

5. Click **Test** to test the integration.
6. Click **Save** to complete the integration.

Additional Notes

Fortinet Sandbox supports the following compressed file types:

.tar, .z, .xz, .gz, .tar.gz, .tgz, .zip, .bz2, .tar.bz2, .tar.Z, .7z, .rar, .lzh, .ace

Integration Guide for FraudGuard

FraudGuard is a service designed to provide an easy way to validate usage by continuously collecting and analyzing real-time internet traffic. Utilizing just a few simple API endpoints we make integration as simple as possible and return data such as: Risk Level, Threat Type, Geo Location

Integration Capabilities

- Geo Lookup
- Get Host Reputation
- Get IP Reputation
- Add to Custom Blacklist
- Add to Custom Whitelist
- Delete From Custom Blacklist
- Delete From Custom Whitelist

Prerequisites

You must have access to HTTPS as the ArcSight SOAR connects to FraudGuard API through this service.

Configuring FraudGuard

1. Navigate to https://api.fraudguard.io.
2. Create a user account by setting your username and password.

Configuring SOAR

1. Click **Configurations** > **Credentials** > **Create crendentials**.
2. Specify the following parameter values in the **Credential Editor**:
   - Internal Credential

Parameter	Value
Type	Internal credential
Name	Display name of credential set(i.e, FraudGuard credentials)
Username	Username that you have noted from the service
Password	Password that you have noted from the service
Private Key	Empty

3. Click **Configuration** > **Integrations** > **Create Integration**.
4. Specify the following parameter values in the **Configuration** form:

<table>
<tr><th>Parameter</th><th>Value</th></tr>
<tr><td><b>Name</b></td><td>Display name of FraudGuard integration on SOAR.</td></tr>
<tr><td><b>Type</b></td><td>FraudGuard</td></tr>
<tr><td><b>Address</b></td><td>https://api.fraudguard.io</td></tr>
<tr><td><b>Configuration</b></td><td>Specify the following configuration parameters:
<table>
<tr><td>proxy.id</td><td>ID of the Proxy integration if you access Fraudguard through a web proxy device. For example: proxy.id = 12345</td></tr>
<tr><td>cache.reusing.duration</td><td>configure how far (in minutes) into the past this enrichment will look.</td></tr>
</table></td></tr>
<tr><td><b>Credential</b></td><td>Credential that has been defined for this integration under the credentials menu.</td></tr>
<tr><td><b>Notify</b></td><td>Select user(s) from the list to notify when SOAR performs an action on this integration</td></tr>
</table>

5. Click **Save** to save the integration definition.
6. Navigate to **Configuration** > **Customization Library**" and edit **Fraudguard Action Script Default Template**.
7. Select the integration you have added to **Integrations** dropdown menu.
8. Click **Save** to complete the integration.

Capabilities

1. **Geo Lookup**

   Enrichment capability for lookup of IP address.

Input Parameter	Description	Type	Scope Restricted(Yes/No)	Required (Yes/No)
Integration	Name of the 3rd party integration	Integration	N/A	Yes
IP Address	Scoped variable to store IP address	String	N/A	Yes

   Output:

   Case Scope

   N/A

   Human Readable Output

   Yes

2. Get Host Reputation

   Enrichment capability for get host reputation and details.

Input Parameter	Description	Type	Scope Restricted(Yes/No)	Required (Yes/No)
Integration	Name of the 3rd party integration	Integration	N/A	Yes
Hostname	Scoped Parameter to store host address.	String	N/A	Yes

   Output:

   Case Scope

   N/A

   Human Readable Output

   Yes

3. **Get IP Reputation**

   Enrichment capability for Getting IP details from fraudguard.

Input Parameter	Description	Type	Scope Restricted(Yes/No)	Required (Yes/No)
Integration	Name of the 3rd party integration	Integration	N/A	Yes
IP Address	Scoped Parameter IP Address.	String	N/A	Yes

Output:

Case Scope

N/A

Human Readable Output

Yes

4. **Add to Custom Blacklist**

   Action capability for Adding an IP to blacklist.

   - Rollback: Yes

Input Parameter	Description	Type	Scope Restricted(Yes/No)	Required (Yes/No)
Rollback Mode	Time to rollback this action. Default is no-rollback.	N/A	N/A	No
IP Address	IP Address to be added to the blacklist eg: 0.0.0.0/0	String	N/A	Yes

Output:

Case Scope

N/A

Human Readable Output

N/A

5. **Add to Custom Whitelist**

   Action capability for Adding an IP to whitelist.

   - Rollback: Yes

Input Parameter	Description	Type	Scope Restricted(Yes/No)	Required (Yes/No)
Rollback Mode	Time to rollback this action. Default is no-rollback.	N/A	N/A	No
IP Address	IP Address to be added to the whitelist eg: 0.0.0.0/0	String	N/A	Yes

Output:

Case Scope

N/A

Human Readable Output

N/A

6. **Delete From Custom Blacklist**

   Action capability for Deleting an IP from blacklist.

   - Rollback: Yes

Input Parameter	Description	Type	Scope Restricted(Yes/No)	Required (Yes/No)
Rollback Mode	Time to rollback this action. Default is no-rollback.	N/A	N/A	No
IP Address	IP Address to be removed from the blacklist eg: 0.0.0.0/0	String	N/A	Yes

Output:

Case Scope

N/A

Human Readable Output

N/A

7. **Delete From Custom Whitelist**

   a. Action capability for Deleting an IP from whitelist.

      - Rollback: Yes

Input Parameter	Description	Type	Scope Restricted(Yes/No)	Required (Yes/No)
Rollback Mode	Time to rollback this action. Default is no-rollback.	N/A	N/A	No
IP Address	IP Address to be removed from the whitelist eg: 0.0.0.0/0	String	N/A	Yes

Output:

Case Scope

N/A

Human Readable Output

N/A

Integration Guide for FTP Server

Integration Overview

ArcSight SOAR uses FTP Servers to put or transfer files to remote machines using incident scope.

Integration Capabilities

Action

- Put File

Configuration

Prerequisites

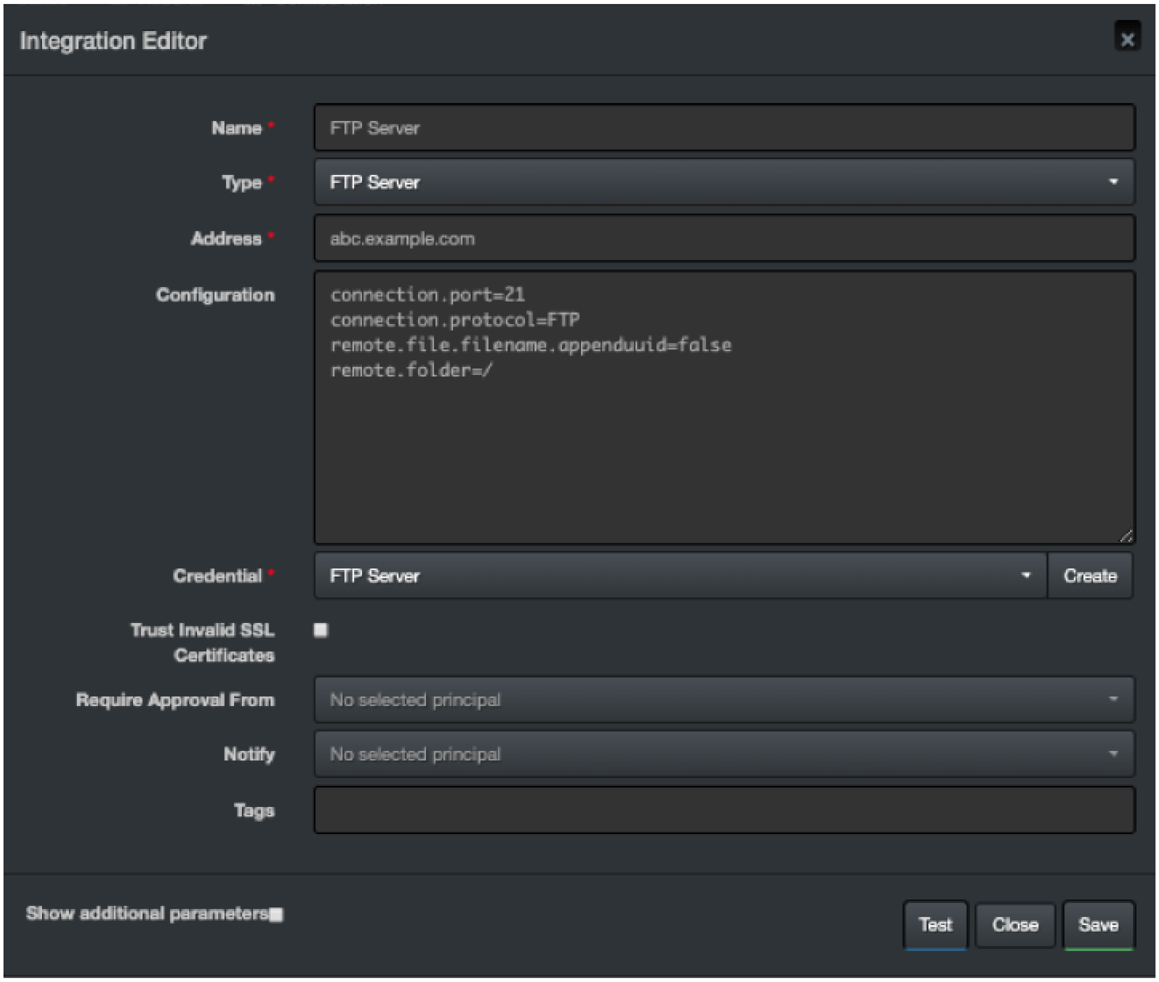
- Access to File Transfer Protocol or SFTP as SOAR connects to FTP Server using it
- A user’s credential

Configuring SOAR

1. To create the integration, navigate to **Configuration** > **Integrations**.
2. Specify the following parameter values in the **Integrations Editor** form.

Parameter	Value
Name	Display name of the integration
Type	FTP Server
Address	Address of the integration (in the format: 1.1.1.1 or abc.example.com)

Parameter	Value
Configuration	Specify the following configuration parameters: `connection.port` is the listening port of the FTP/SFTP service running. `connection.protocol` could be FTP or SFTP. `remote.file.filename.appenduuid` specifies whether the UUID will be appended to the filename. It can be either “true” or “false”. `remote.folder` is the folder relative to the FTP home directory.
Credential	Credential that was defined for this integration under the **Credentials** menu
Trust Invalid SSL Certificates	Select this if device’s certificate is self-signed or is not recognized by browsers
Require Approval From	Select users from the list who can provide approval before executing actions on this integration
Notify	Select users from the list to notify when SOAR performs an action on this integration



Integration Editor

Name *	FTP Server
Type *	FTP Server
Address *	abc.example.com

Configuration	connection.port=21
	connection.protocol=FTP
	remote.file.filename.appenduuid=false
	remote.folder=/

Credential *	FTP Server
Trust Invalid SSL Certificates	□
Require Approval From	No selected principal
Notify	No selected principal
Tags	

3. Click **Test** to test the integration.
4. Click **Save** to complete integration.

Integration Guide for Have I Been Pwned

Integration Overview

Have I Been Pwned is a web service that allows to check if the emails/usernames are exposed as part of previous data breaches.

This integration supports Have I Been Pwned API v3.

Integration Capabilities

ArcSight SOAR has the following integration capabilities with Have I Been Pwned:

- Check Pwned Accounts
- Check Pwned Pastes
- Check Pwned Domains

Prerequisites

Have I Been Pwned requires an API key for access.

Configuration

Configuring SOAR

1. **Click Configuration** > **Credential** > **Create Credential**.
2. Specify the following parameter values in the **Credential Editor** form:

Type	Name	Username	Password	Private Key
Internal credential	Display name of credential set (i.e., Have I Been Pwned Credentials)			API Key

3. Click **Configuration** > **Integrations** > **Create Integration**.

4. Specify the following parameter values in the **Configuration Form**:

Parameter	Value
Name	Display name of the integration
Type	Have I Been Pwned
Address	Address of the integration (https://haveibeenpwned.com/)
Configuration	Specify the following configuration parameters: proxy.id — Access the ID of the Proxy integration Have I Been Pwned through a web proxy device. For example: proxy.id = 12345
Credential	Credential that has been defined for this integration under the Credentials menu.
Trust Invalid SSL Certificates	Select this if web server’s certificate is self-signed or is not recognized by browsers.
Require Approval From	Since there is no action capability in this plugin, please leave it empty.
Notify	Since there is no action capability in this plugin, please leave it empty.

5. Click **Save** to save the integration definition.
6. Navigate to **Configuration>Customization Library** and edit **Have I Been Pwned Advanced Action Script Default Template**.
7. .Select the integration you have added to **Integrations** menu.
8. Click **Save** to complete the integration.
9. Click **Test**. **Integration Successful** message is displayed if your credential and address are valid.

Capabilities

1. **Check Pwned Accounts**

   Enrichment capability for gathering pwned account details.

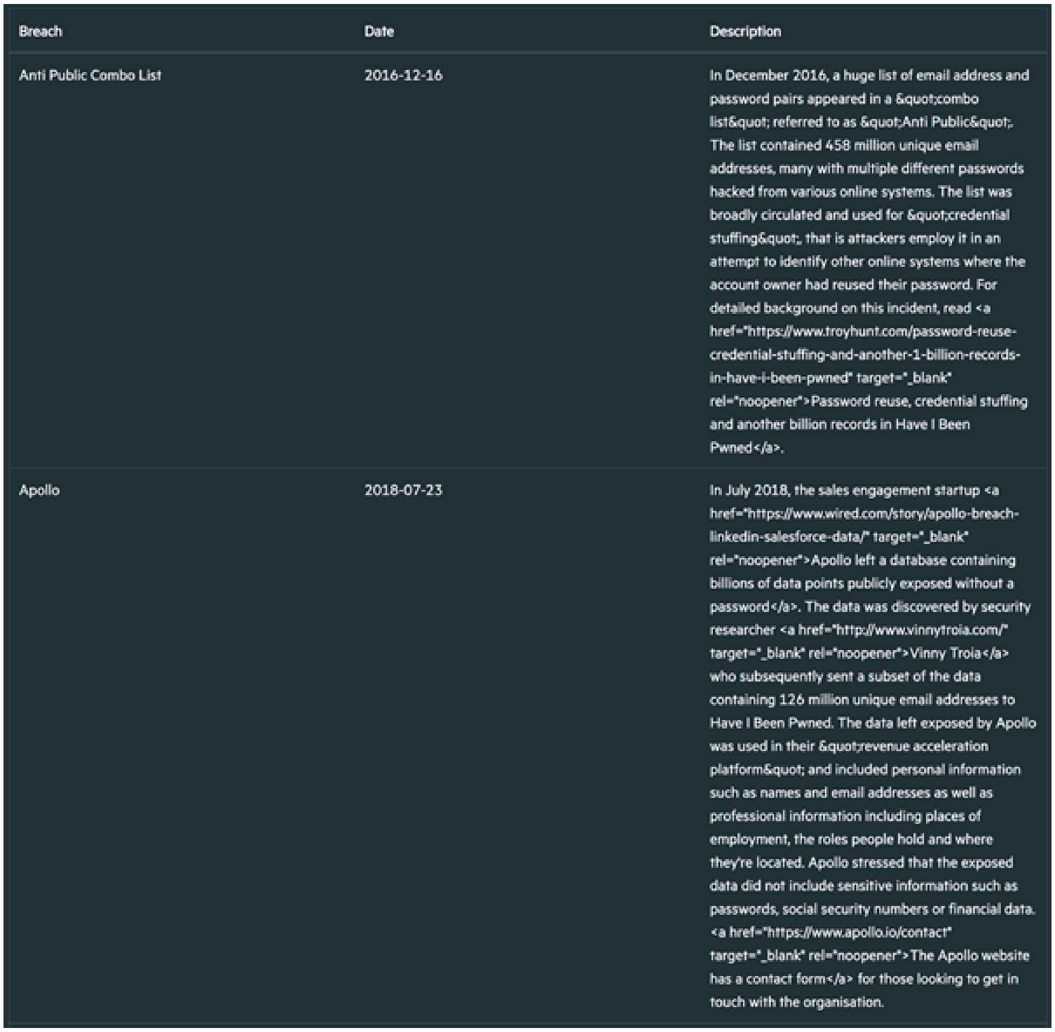
   The following table presents the **Check Pwned Accounts** action capability details:

Input Parameter	Description	Type	Scope Restricted (Yes/ No)	Required (Yes/ No)
Integration	Name of the third party integration	Integration	N/A	Yes
Email Address	Email address to be queried	Email Address Username Keyword Unknown	Yes	Yes
Do not Use Cache	SOAR does not use cached results if this box is checked	Checkbox	N/A	No

Output:

Case Scope: N/A

Human Readable Output:



Breach	Date	Description
Anti Public Combo List	2016-12-16	In December 2016, a huge list of email address and password pairs appeared in a &quot;combo list&quot; referred to as &quot;Anti Public&quot;. The list contained 458 million unique email addresses, many with multiple different passwords hacked from various online systems. The list was broadly circulated and used for &quot;credential stuffing&quot;, that is attackers employ it in an attempt to identify other online systems where the account owner had reused their password. For detailed background on this incident, read <a href="https://www.troyhunt.com/password-reuse-credential-stuffing-and-another-1-billion-records-in-have-i-been-pwned" target="_blank" rel="noopener">Password reuse, credential stuffing and another billion records in Have I Been Pwned</a>.
Apollo	2018-07-23	In July 2018, the sales engagement startup <a href="https://www.wired.com/story/apollo-breach-linkedin-salesforce-data/" target="_blank" rel="noopener">Apollo left a database containing billions of data points publicly exposed without a password</a>. The data was discovered by security researcher <a href="http://www.vinnytroia.com/" target="_blank" rel="noopener">Vinny Troia</a> who subsequently sent a subset of the data containing 126 million unique email addresses to Have I Been Pwned. The data left exposed by Apollo was used in their &quot;revenue acceleration platform&quot; and included personal information such as names and email addresses as well as professional information including places of employment, the roles people hold and where they're located. Apollo stressed that the exposed data did not include sensitive information such as passwords, social security numbers or financial data. <a href="https://www.apollo.io/contact" target="_blank" rel="noopener">The Apollo website has a contact form</a> for those looking to get in touch with the organisation.

2. **Check Pwned Domains**
   Enrichment capability for gathering pwned domain details.

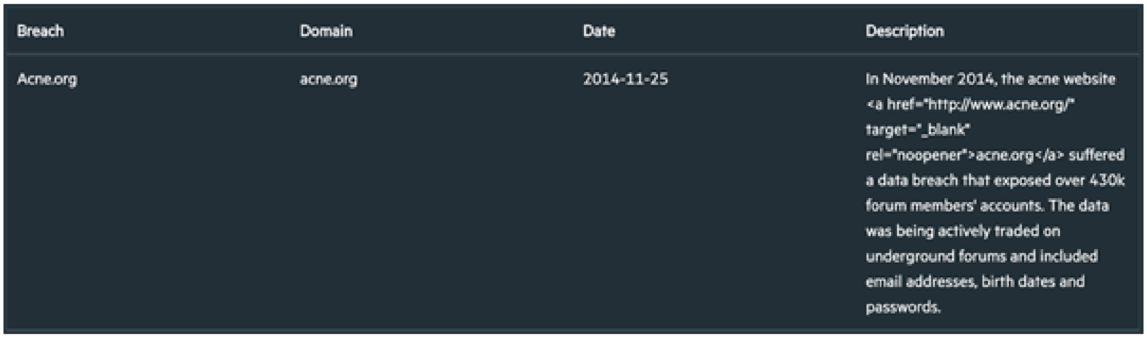
   Following is the **Check Pwned Domains** enrichment capability details.

Input Parameter	Description	Type	Scope Restricted (Yes/ No)	Required (Yes/ No)
Integration	Name of the third party integration	Integration	N/A	Yes
Domain	Domain to be queried	Domain Keyword Unknown	Yes	Yes
Do not Use Cache	SOAR does not use cached results if this box is checked	Checkbox	N/A	No

Output:

Case Scope: N/A

Human Readable Output:



Breach	Domain	Date	Description
Acne.org	acne.org	2014-11-25	In November 2014, the acne website <a href="http://www.acne.org/" target="_blank" rel="noopener">acne.org</a> suffered a data breach that exposed over 430k forum members' accounts. The data was being actively traded on underground forums and included email addresses, birth dates and passwords.

3. **Check Pwned Pastes**

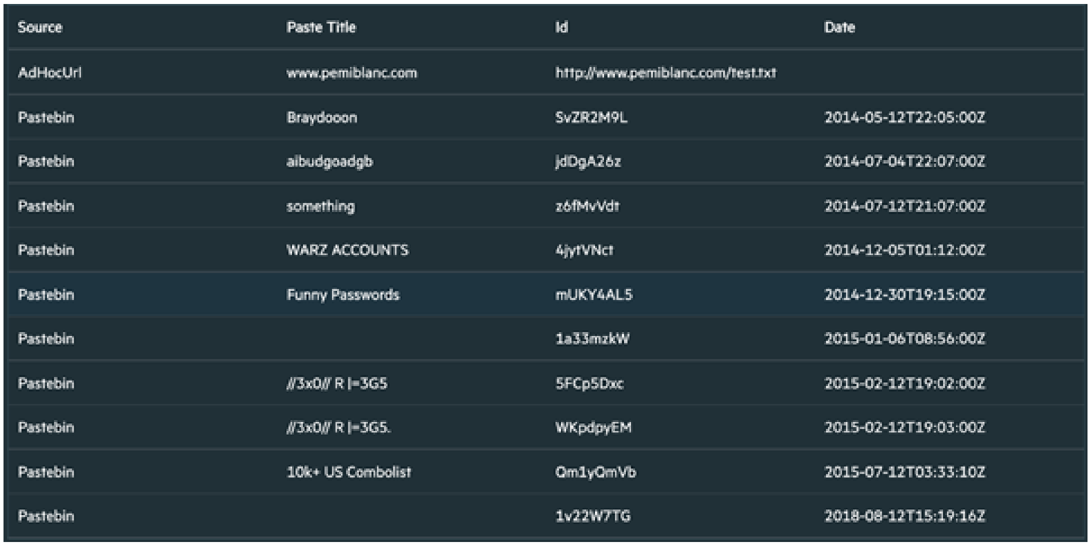
Enrichment capability for listing the paste sites that pwned account is mentioned.

Following is the **Check Pwned Pastes** enrichment capability details:

Input Parameter	Description	Type	Scope Restricted (Yes/ No)	Required (Yes/ No)
Integration	Name of the third party integration	Integration	N/A	Yes
Email Address	Email address to be queried	Email Address Username Keyword Unknown	Yes	Yes
Do not Use Cache	SOAR does not use cached results if this box is checked	Checkbox	N/A	No

Output:

Human Readable Output:



Source	Paste Title	Id	Date
AdHocUrl	www.pemiblanc.com	http://www.pemiblanc.com/test.txt	
Pastebin	Braydooon	SvZR2M9L	2014-05-12T22:05:00Z
Pastebin	aibudgoadgb	jdDgA26z	2014-07-04T22:07:00Z
Pastebin	something	z6fMvVdt	2014-07-12T21:07:00Z
Pastebin	WARZ ACCOUNTS	4jytVNct	2014-12-05T01:12:00Z
Pastebin	Funny Passwords	mUKY4AL5	2014-12-30T19:15:00Z
Pastebin		1a33mzkW	2015-01-06T08:56:00Z
Pastebin	//3x0// R I=3G5	5FCp5Dxc	2015-02-12T19:02:00Z
Pastebin	//3x0// R I=3G5.	WKpdpyEM	2015-02-12T19:03:00Z
Pastebin	10k+ US Combolist	Qm1yQmVb	2015-07-12T03:33:10Z
Pastebin		1v22W7TG	2018-08-12T15:19:16Z

Integration Guide for Generic HTTP SMS Gateway

Integration Overview

ArcSight SOAR uses Generic HTTP SMS (Short Message Service) Gateway to send SMS.

Integration Capabilities

- None

Configuration

Configuring Generic HTTP SMS Gateway

- Access to **File HTTPS** service as SOAR uses it to connect to Generic HTTP SMS Gateway
- A SOAR user account

Configuring SOAR

1. To create the integration, navigate to **Configuration** > **Integrations**.
2. Specify the following parameter values in the **Integrations Editor** form.

Parameter	Value
Name	Display name of the integration
Type	Generic HTTP SMS Gateway
Address	Address of the integration (in the following format: 1.1.1.1 or abc.example.com)

Parameter	Value

Configuration	Specify the following configuration parameters:
	`http.method = POST`
	`http.auth.enabled = false`
	`params.jobID = ${credential.privateKey}`
	`params.url = http://dev.swh.soarlabs.io/atar/`
	`params.username = ${credential.username}`
	`params.text = ${text}`
	`params.gsmNumber = ${recipient}`
	`http.header.User-Agent = SOAR`
	`http.header.Content-Type = application/x-www-form-urlencode`
	`sms.stripCountryCode = +90`

Credential	Credential that was defined for this integration under the **Credentials** menu
Trust Invalid SSL Certificates	Select this if device’s certificate is self-signed or is not recognized by browsers
Require Approval From	Select users from the list who can provide approval before executing actions on this integration
Notify	Select users from the list to notify when SOAR performs an action on this integration

3. Click **Test** to test the integration.
4. Click **Save** to complete integration.

Integration Guide for HTTP Proxy

Integration Overview

ArcSight SOAR uses HTTP proxies to access HTTP services. Some integration plugins are capable of accessing resources on the Internet or other networks through a proxy device configuration. See the respective integration guides for configuring the proxy.

Configuration

Prerequisites

- Access to proxy service for SOAR
- A user account to connect to proxy if proxy authentication enabled

Configuring HTTP Proxy

HTTP Proxy software must be configured to get the access to SOAR. You can consult the system to know the HTTP Proxy used in the network.

Configuring SOAR

1. Click **Configuration** > **Credentials** > **Create Credential**.
2. Specify the following parameter values in the **Credential Editor**:

   Internal Credential

Parameter	Value
Type	Internal Credential
Name	Display name of credential set (for example, HTTP Proxy Credentials)
Username	User that was created on HTTP proxy software for SOAR
Password	Password of the user that was created on HTTP proxy software for SOAR
Private Key	Empty

3. Click **Configuration** > **Integrations** > **Create Integration**.
4. Specify the following parameter values in the **Configuration** form:

Parameter	Value
Name	Display name of HTTP Proxy integration on SOAR
Type	HTTP Proxy
Address	Address of the integration (in the following format: https://192.168.1.3:8081)

Configuration	Specify the following configuration parameters:
	`# Supported values: basic, ntlm, none`
	`# For NTLM, username in credential should be specified`
	`like: username@domain`
	`authentication.type=basic`
	`# URL to use when testing availability of this proxy`
	`integration.`
	`# Defaults to the value of HttpProxyCheckURL`
	`configuration parameter.`

Credential	Name of the credential set created on step 2 (For example, HTTP Proxy Credentials)
Trust Invalid SSL Certificates	Select this if Web UI's certificate certificate is self-signed or is not recognized by browsers
Require Approval From	Select users from the list who can provide approval before executing actions on this integration
Notify	Select users from the list to notify when SOAR performs an action on this integration

5. Click **Test** to test the integration.
6. Click **Save** to complete the integration.

Additional Notes

For SOAR to perform Automatic Update Checks, navigate to **Configuration** > **Parameters** and set `ProxyIntegrationIdForAutomaticUpdateCheck`.

Integration Guide for IBM Security X-Force

Integration Overview

IBM X-Force Exchange is a cloud-based threat intelligence platform that enables users to research security threats, search attack indicators, aggregate actionable intelligence, and collaborate with peers.

Integration Capabilities

ArcSight SOAR has the following integration capabilities with IBM X-Force Exchange:

- DNS Records
- IP Report
- Malware for File Hash
- Send File for Analysis
- URL Report

Use Case: Investigating Phishing Campaigns

SOAR follows the user’s email inbox for phishing reports and automatically creates an incident record on its service desk. While investigating the attack, SOAR extracts the sender address, IP address, URLs in the message body, files in the attachment, and checks with IBM X-Force Exchange if these attacks are previously analyzed. This investigation can either be performed automatically within a playbook or manually by an analyst.

Configuration

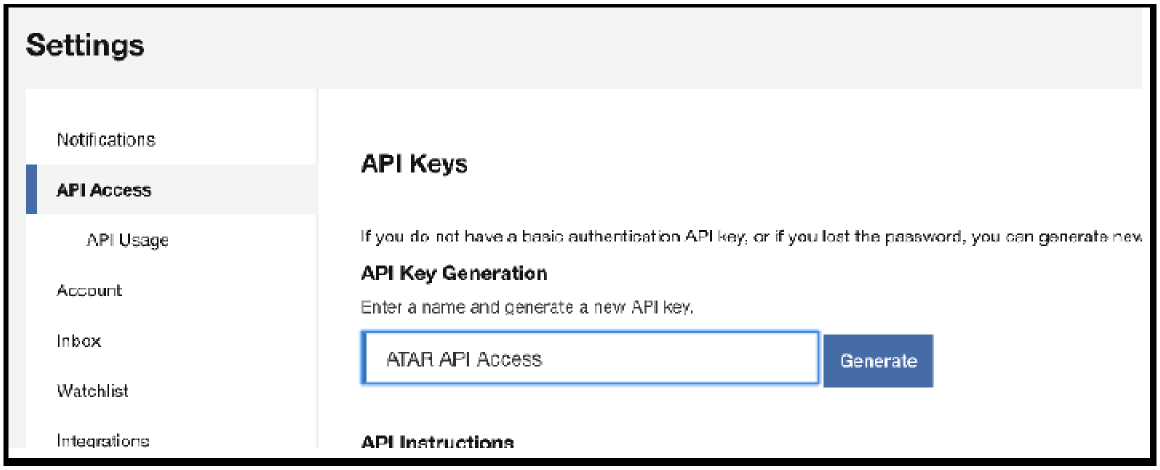
Prerequisites

- Access to https://api.xforce.ibmcloud.com (443/tcp port) for SOAR to connect to IBM X-Force Exchange API
- An API key for SOAR to connect to IBM X-Force Exchange

Configuring IBM X-Force Exchange

1. Log in to https://exchange.xforce.ibmcloud.com.
2. To create a new API key, navigate to **Settings** > **API Access**.

> Note: Save the generated API key and the password.



Settings

API Keys

If you do not have a basic authentication API key, or if you lost the password, you can generate new

API Key Generation

Enter a name and generate a new API key.

ATAR API Access

API Instructions

Configuring SOAR

1. Click **Configuration** > **Credentials** > **Create Credential**.
2. Specify the following parameter values in the **Credential Editor**:
   a. **Internal Credential**

Parameter	Value
Type	Internal Credential
Name	Display name of credential set (For example, IBM X-Force Exchange Credentials)
Username	API Key created on IBM X-Force Exchange
Password	API Password for the key created on IBM X-Force Exchange
Private Key	Empty

   b. **Credential Store:**

Parameter	Value
Type	External Credential
Name	Name of the credential with pull path of the safe on store

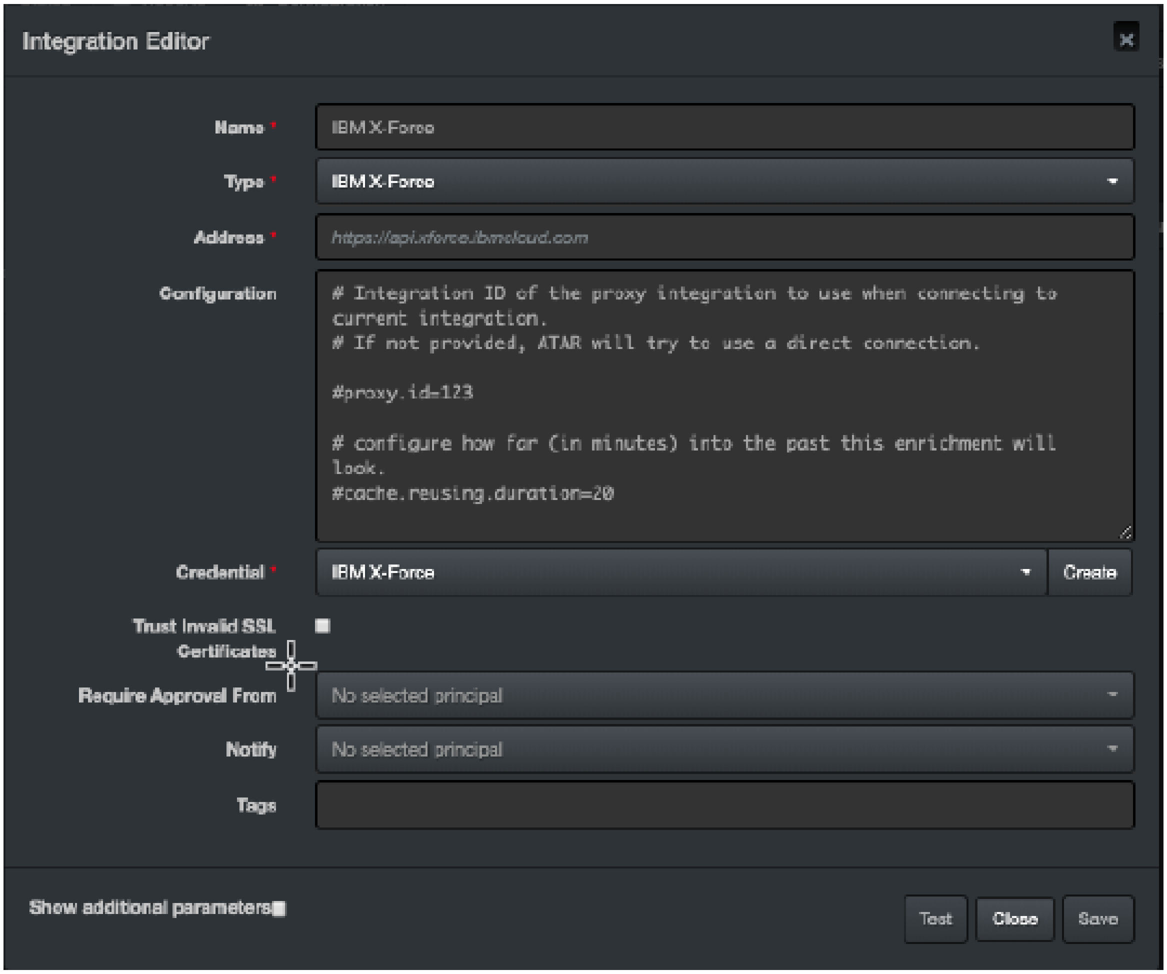
3. Click **Configuration** > **Integrations** > **Create Integration**.

4. Specify the following parameter values in the **Configuration** form:

Parameter	**Value**
Name	Display name of IBM X-Force Exchange integration on SOAR
Type	IBM X-Force Exchange
Address	Address of the integration (https://api.xforce.ibmcloud.com)

Configuration	Specify the following configuration parameters:
	`# Integration ID of the proxy integration`
	`to use when connecting`
	`# to current integration.`
	`# If not provided, SOAR will try to use`
	`a direct connection.`
	`#proxy.id=123`
	`# configure how far (in minutes) into the`
	` past this enrichment will look.`
	`cache.reusing.duration=60`

Credential	Name of the credential set created on step 2 (For example, IBM XForce Exchange Credentials)
Trust Invalid SSL Certificates	Select this if Web UI's certificate is self-signed or is not recognized by browsers
Require Approval From	Select users from the list who can provide approval before executing actions on this integration
Notify	Select users from the list to notify when SOAR performs an action on this integration



Integration Editor

Name * IBM X-Force

Type * IBM X-Force

Address * https://api.xforce.ibmcloud.com

Configuration

```
# Integration ID of the proxy integration to use when connecting to
current integration.
# If not provided, ATAR will try to use a direct connection.

#proxy.id=123

# configure how far (in minutes) into the past this enrichment will
look.
#cache.reusing.duration=20
```

Credential * IBM X-Force

Trust Invalid SSL Certificates □

Require Approval From: No selected principal

Notify: No selected principal

Tags

5. Click **Test** to test the integration.
6. Click **Save** to complete the integration.

Integration Guide for Infoblox DNS Firewall

Integration Overview

Infoblox DNS Firewall defends DNS servers from the comprehensive range of DNS-based attacks while maintaining service availability and business continuity. The Grid Manager web interface provides access to the appliance for network and IP address management.

Integration Capabilities

ArcSight SOAR has the following integration capabilities with Infoblox DNS Firewall:

- Block IP address (No Data)
- Block IP Address (No Such Domain)
- Block Host (No Data)
- Block Host (No Such Domain)
- Substitute DNS A Record

Use Case: Blocking malicious IP addresses on DNS

SOAR integrates with Infoblox DNS firewall to block malicious IP addresses and hosts on DNS firewall to stop malware attacks and protect users. These actions can either be performed automatically within a playbook or manually by an analyst.

Configuration

Prerequisites

- Infoblox NIOS 8.4 version
- Access to tcp port 443 as SOAR connects to Infoblox DNS Firewall API
- A SOAR user account to connect Infoblox DNS Firewall

Configuring Infoblox DNS Firewall

1. Navigate to **Administration** > **Administrators** > **Admins**.
2. To add an account, specify the following values in the **Add Administrator Wizard**:

Authentication Type: Local

Login: <Specify the username>

Password: <Specify the password>

Confirm Password: <confirm the password specified in **Password** field>

Admin Group: Select *admin-group*

3. To create a new Response Policy Zone, navigate to **Data Management** > **DNS** > **Response Policy Zones**.

Configuring SOAR

1. Click **Configuration** > **Credentials** > **Create Credential**.
2. Specify the following parameter values in the **Credential Editor**:

   a. **Internal Credential**

Parameter	Value
Type	Internal Credential
Name	Display name of credential set (For example, Infoblox DNS FW Credentials)
Username	User created for SOAR on Infoblox DNS FW
Password	API Password for the key created for SOAR on Infoblox DNS FW
Private Key	Empty

   b. **Credential Store:**

Parameter	Value
Type	External Credential
Name	Name of the credential with pull path of the safe on store

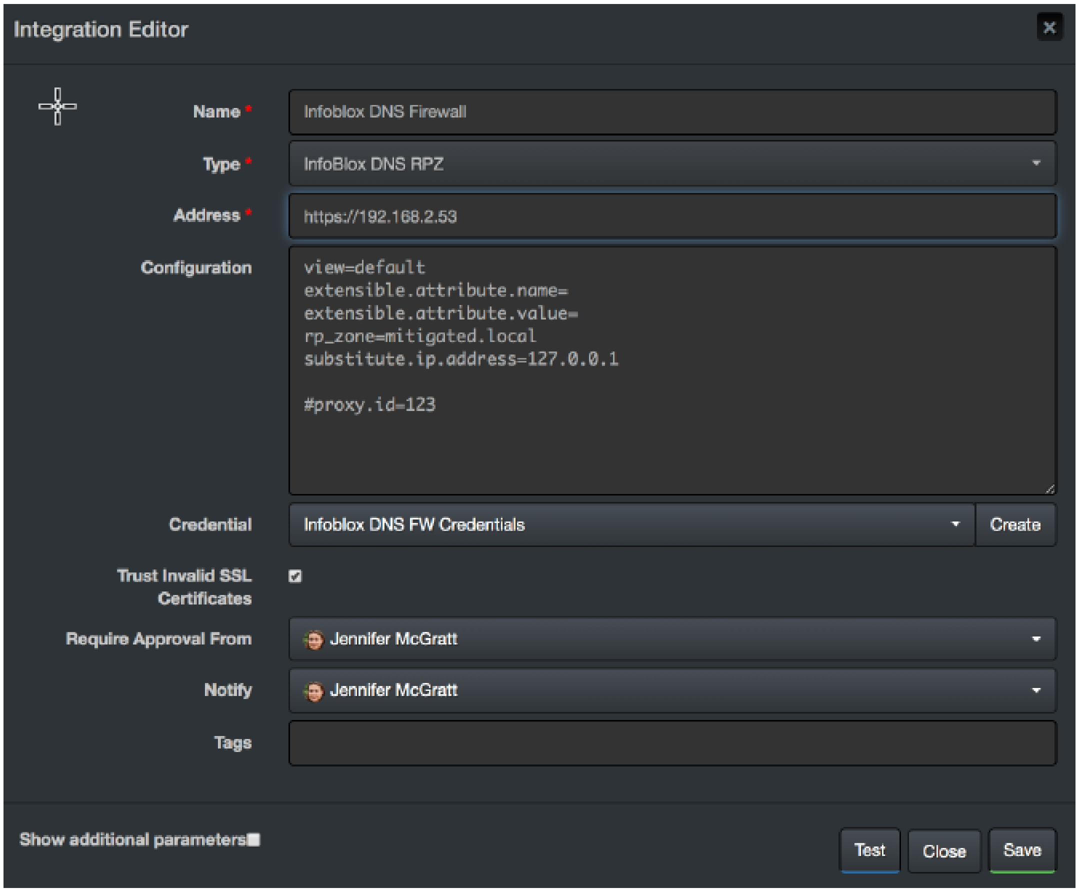
3. Click **Configuration** > **Integrations** > **Create Integration**.

4. Specify the following parameter values in the **Configuration** form:

Parameter	Value
Name	Display name of Infoblox DNS Firewall integration on SOAR
Type	Infoblox DNS Firewall
Address	Address of the integration (in the following format: https://192.168.2.53)

Configuration	Specify the following configuration parameters:
	`# Name of View under which rp_zone is located.`
	`view=default`
	`# Name of Response Policy Zone that SOAR will`
	`write block rules`
	`rp_zone=mitigated.local`
	`# Default name and value of extensible attrbute`
	`which SOAR uses to write comment for block`
	`extensible.attribute.name=`
	`extensible.attribute.value=`
	`# IP address that SOAR uses to substitute in`
	`DNS A records.`
	`substitute.ip.address=127.0.0.1`
	`#proxy.id=5442`

Credential	Name of the credential set created on step 2 (For example, Infoblox DNS FW Credentials)
Trust Invalid SSL Certificates	Select this if Web UI’s certificate is self-signed or is not recognized by browsers
Require Approval From	Select users from the list who can provide approval before executing actions on this integration
Notify	Select users from the list to notify when SOAR performs an action on this integration.



Name * Infoblox DNS Firewall

Type * InfoBlox DNS RPZ

Address * https://192.168.2.53

Configuration

```
view=default
extensible.attribute.name=
extensible.attribute.value=
rp_zone=mitigated.local
substitute.ip.address=127.0.0.1

#proxy.id=123
```

Credential Infoblox DNS FW Credentials

Trust Invalid SSL Certificates ☑

Require Approval From Jennifer McGratt

Notify Jennifer McGratt

Tags

5. Click **Test** to test the integration.
6. Click **Save** to complete the integration.

Additional Notes

Infoblox DNS Firewall allows blocking IP and host with only one rule type (either No Data or No Such Domain). If you try to block an IP or host that already got blocked with another rule type, you might get an error.

Integration Guide for Intezer

Integration Overview

Intezer is a malware analysis tool that automates alert triage, incident response and threat hunting.

Integration Capabilities

ArcSight SOAR has the following integration capabilities with Intezer:

- Analyze Hash
- Get Sub-Analyses
- Get File Metadata
- Code Reuse Families
- Get Related Files

Prerequisites

- ArcSight SOAR connects to the https://analyze.intezer.com/ API through HTTPS. Access to this service is required.
- Intezer requires an API key for access.

Configuration

Configuring Intezer

- Intezer requires an API key for access.
- Users can obtain an API key from intezer.com after logging in with valid credentials.

Configuring SOAR

1. Click **Configuration** > **Credential** > **Create Credential.**
2. Specify the following parameter values in the **Credential Editor**:

Type	Name	Username	Password	Private Key
Internal Credential	Display name of credential set (for example Intezer).	Empty	Empty	API Key created on Intezer

3. Click **Configuration** > **Integrations** > **Create Integration**

4. Specify the following parameter values in the **Configuration Form**:

Parameter	Value
Name	Display name of the integration.
Type	Intezer.
Address	Address of the integration (the format must be https://s3.amazonaws.com).

Configuration	Specify the following configuration parameters:
	`# Integration ID of the proxy integration to use when connecting to current integration.`
	`# If not provided, ArcSight SOAR will try to use a direct connection.`
	`#proxy.id=123`
	`# configure how far (in minutes) into the past this enrichment will look.`
	`#cache.reusing.duration=20`

Credential	Name of the credential set created in step 2. (i.e. Intezer Credentials).
Trust Invalid SSL Certificates	Select this if Engine’s certificate is self-signed or not recognized by browsers. Not selected.
Require Approval From	Select user(s) from list to ask the approval before executing actions on this integration.
Notify	Select user(s) from the list to notify when SOAR performs an action on this integration.

5. Click **Save**.
6. Navigate to **Configuration > Customization Library** and edit **Intezer Advanced Action Script Default Script Template**.
7. Select the integration that you have created in step 4 from the **Integrations** drop-down menu and click **Save**.
8. Click **Test**, an **Integration Successful** message is displayed if the credential and address are valid.

Capabilities

1. **Analyze Hash**
   Enrichment capability for retrieving details of a file hash.

Input Parameter	Description	Type	Scope Restricted (Yes/No)	Required (Yes/No)
Integration	Name of the 3rd party integration.	Integration	N/A	**Yes**
Hash	SHA256, SHA1, or MD5 hash value.	Hash	Yes	Yes

Input Parameter	Description	Type	Scope Restricted (Yes/No)	Required (Yes/No)
Do not Use Cache	SOAR does not use cached results if this box is checked.	Boolean	N/A	No

Output:

Case Scope

Action	Type	Category/Value
Add	**Scope Item**	**Intezer Hash Value (SHA1, SHA256, MD5)**
Set	**Scope Item Property**	**Intezer Verdict**
Set	**Scope Item Property**	**Intezer Malware Family**

Human Readable Output

2. **Get Sub-Analyses**
   Enrichment capability for retrieving all sub-analyses of an Intezer analysis ID.

Input Parameter	Description	Type	Scope Restricted (Yes/No)	Required (Yes/No)
Integration	Name of the 3rd party integration.	Integration	N/A	**Yes**
Analysis ID	Intezer analysis ID. Can be retrieved from the human readable output of the 'Analyze Hash' enrichment.	String	No	Yes
Do not Use Cache	SOAR does not use cached results if this box is checked.	Boolean	N/A	No

Output:

Case Scope

N/A

Human Readable Output

3. **Get File Metadata**

   Enrichment capability for retrieving the file metadata for an Intezer analysis ID and sub-analysis ID.

Input Parameter	**Description**	**Type**	**Scope Restricted (Yes/No)**	**Required (Yes/No)**
Integration	Name of the 3rd party integration.	Integration	N/A	**Yes**
Analysis ID	Intezer analysis ID. Can be retrieved from the human readable output of the 'Analyze Hash' enrichment.	String	No	Yes
Sub-Analysis ID	Intezer sub-analysis ID. Can be retrieved from the human readable output of the 'Get Sub-Analyses' enrichment.	String	No	Yes
Do not Use Cache	SOAR does not use cached results if this box is checked.	Boolean	N/A	No

Output:

Case Scope

Action	**Type**	**Category/Value**
None	**N/A**	**N/A**

Human Readable Output

4. Code Reuse Families

   Enrichment capability for retrieving the malware family code reuse data for an Intezer analysis ID and sub-analysis ID.

Input Parameter	**Description**	**Type**	**Scope Restricted (Yes/No)**	**Required (Yes/No)**
Integration	Name of the 3rd party integration.	Integration	N/A	Yes
Analysis ID	Intezer analysis ID. Can be retrieved from the human readable output of the 'Analyze Hash' enrichment.	String	No	Yes
Sub-Analysis ID	Intezer sub-analysis ID. Can be retrieved from the human readable output of the 'Get Sub-Analyses' enrichment.	String	No	Yes

Output:

Case Scope

Action	Type	Category/Value
None	N/A	N/A

Human Readable Output

5. **Get Related Files**

Input Parameter	Description	Type	Scope Restricted (Yes/No)	Required (Yes/No)
Integration	Name of the 3rd party integration.	Integration	N/A	Yes
Analysis ID	Intezer analysis ID. Can be retrieved from the human readable output of the 'Analyze Hash' enrichment.	String	No	Yes
Sub-Analysis ID	Intezer sub-analysis ID. Can be retrieved from the human readable output of the 'Get Sub-Analyses' enrichment.	String	No	Yes
Family ID	Intezer family ID. Can be retrieved from the human readable output of the 'Code Reuse Families' enrichment.	String	No	Yes

Output:

Case Scope

N/A

Human Readable Output

Integration Guide for Invictus USTA ThreatIntelligence

Integration Overview

Invictus USTA is a threat intelligence service which delivers cyber-threat insights in real time.

Integration Capabilities

- Ingest Threat Intelligence Feed as Alert
- Check Identity Leak
- Check Stolen Client Account
- Check Domain Info
- Check Hash Info
- Check IP Info
- Check URL Info
- Submit Bad Sender
- Submit Referer URL

Use Case: Blocking malicious URLs and IPs before they harm

ArcSight SOAR integrates with USTA intelligence feed to block malicious entities on your perimeter protection before they harm.

Use Case #2: Investigating Fraud and ID Theft

SOAR integrates with USTA Threat Intelligence to investigate fraud cases, possible ID theft, and cases of client account compromises.

Configuration

Prerequisites

- Access to https://usta01.invictuseurope.com/api/ (443/tcp port) for SOAR to connect to USTA API
- An API Key for SOAR to connect to Invictus USTA API

Configuring Invictus USPA

Invictus USTA requires no specific configuration.

Configuring SOAR

1. Click **Configuration** > **Credentials** > **Create Credential**.
2. Specify the following parameter values in the **Credential Editor**:
   a. **Internal Credential**

Parameter	Value
Type	Internal Credential
Name	Display name of credential set (For example,Invictus USTA Credentials)
Username	Empty
Password	Empty
Private Key	API Key obtained from Invictus USTA platform

   b. **Credential Store:**

Parameter	Value
Type	External Credential
Name	Name of the credential with pull path of the safe on store

Configuring Invictus USTA as Alert Source

1. Click **Configuration** > **Alert Source** > **Create Alert Source Configuration**.
2. Specify the following parameter values in the **Configuration** form:

Parameter	Value
Name	Display name of Invictus USTA Alert Source on SOAR
Type	USTA
Address	Address of the Invictus USTA Threat Intelligence Service (https://usta01.invictuseurope.com/api/)
Alert Severities	Mapping of alert severity values to SOAR incident severities

Parameter	Value

Configuration	Specify the following configuration parameters:
	`# Ignore events older than specified date. If empty,`
	`date based filtering is disabled.`
	`# Example: filterOlderThanDate=2017-01-01`
	`filterOlderThanDate=2020-01-10`
	`# Integration ID of the proxy integration to use`
	`when connecting to current source.`
	`# If not provided, SOAR will try to use a direct`
	`connection.`
	`#proxy.id=5523`

Credential	Name of the credential set just created. (For example, Invictus USTA Credentials)
Trust Invalid SSL Certificates	Select this if Web UI’s certificate is self-signed or is not recognized by browsers
Visible Alert Fields	Define the alarm fields to be displayed on Incident Management Service Desk

3. Click **Test** to test the integration.
4. Click **Save** to complete the integration.

Configuring Invictus USTA as Integration

1. Click **Configuration** > **Integrations** > **Create Integration**.
2. Specify the following parameter values in the **Configuration** form:

Parameter	Value
Name	Display name of Invictus USTA integration on SOAR
Type	USTA
Address	Address of the Invictus USTA Threat Intelligence Service (https://usta01.invictuseurope.com)

Configuration	Specify the following configuration parameters:
	`# Integration ID of the proxy integration to use`
	`when connecting to current source.`
	`# If not provided, SOAR will try to use a direct connection.`
	`#proxy.id=5523#proxy.id=5523`

Credential	Name of the credential set created on step 2 (For example, Invictus USTA Credentials)

Trust Invalid SSL Certificates	Select this if Web UI’s certificate is self-signed or is not recognized by browsers
Require Approval From	Select users from the list who can provide approval before executing actions on this integration
Notify	Select users from the list to notify when SOAR performs an action on this integration.

3. Click **Test** to test the integration.
4. Click **Save** to complete the integration.

Additional Notes

USTA permits connection requests from specific network addresses for each customer. Hence, make sure to check the access permission by USTA before integration.

Integration Guide for IPInfo

Integration Overview

IPinfo is a solution for IP data which offers both free and paid API tokens to put IP geolocation, ASN, IP to company, mobile carrier, and many more.

Integration Capabilities

ArcSight SOAR has the following integration capabilities with IPinfo:

- IP Query

Configuration

Prerequisites

- You must have access to HTTPS as ArcSight SOAR connects to IPinfo through this service.
- IPinfo requires an API key for access.

Configuring SOAR

1. Click **Configuration** > **Credential** > **Create Credential**.
2. Specify the following parameter values in the **Credential Editor** form:

Type	Name	Username	Password	Private Key
Internal credential	Display name of credential set (for example, IPinfo Credential).			Access token

   a. Click **Configuration** > **Integrations** > **Create Integration**.

   b. Specify the following parameter values in the **Configuration** form:

Parameter	Value
Name	Display name of the integration.
Type	IPinfo.io
Address	Address of the integration (the format should be https://ipinfo.io).

<table>
<tr><th>Parameter</th><th>Value</th></tr>
<tr><td><b>Configuration</b></td><td>Specify the following configuration parameters:<table><tr><td><b>proxy.id</b></td><td><b>ID of the Proxy integration if you access ipinfo.io through a web proxy device. For example: proxy.id = 12345</b> .</td></tr></table></td></tr>
<tr><td><b>Credential</b></td><td>Credential that has been defined for this integration under the <b>Credentials</b> menu.</td></tr>
<tr><td><b>Trust Invalid SSL Certificates</b></td><td>Select this if web server’s certificate is self-signed or is not recognized by browsers.</td></tr>
<tr><td><b>Require Approval From</b></td><td>Select user(s) from list to ask the approval before executing actions on this integration.</td></tr>
<tr><td><b>Notify</b></td><td>Select user(s) from the list to notify when SOAR performs an action on this integration.</td></tr>
</table>

c. Click **Save** to save the integration definition.

d. Navigate to **Configuration**>**Customization Library** and edit **IPinfo Advanced Action Script Default Template**.

e. Select the integration that you have added to **Integrations** menu.

f. Click **Save** to complete the integration.

g. Click **Test**, an **Integration Successful** message is displayed if the credential and address are valid.

Capabilities

a. **IP Query**

Enrichment capability for retrieving information regarding an IP.

The following table presents the **IP Query** enrichment capability details:

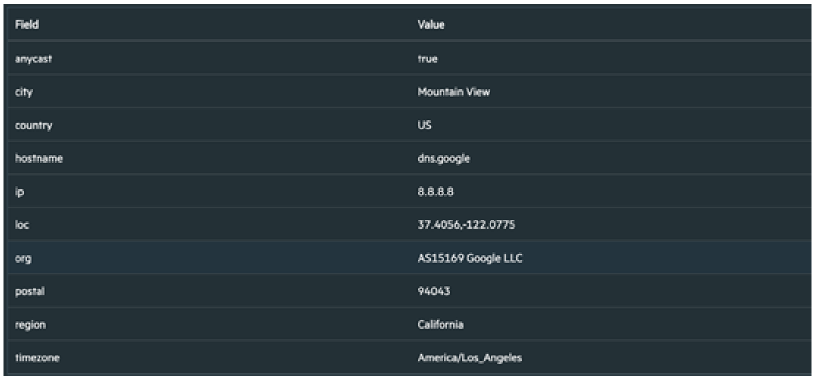
Input Parameter	Description	Type	Scope Restricted (Yes/ No)	Required (Yes/ No)
Integration	Name of the third party integration.	Integration	N/A	Yes
IP	Network address to be queried from IPInfo .	Network Address	Yes	Yes
Do not Use Cache	SOAR does not use cached results if this box is checked.	Boolean	N/A	No

Output:

Case Scope:

Enrichment	Type	Category/ Value
None	N/A	N/A

Human Readable Output:



Field	Value
anycast	true
city	Mountain View
country	US
hostname	dns.google
ip	8.8.8.8
loc	37.4056,-122.0775
org	AS15169 Google LLC
postal	94043
region	California
timezone	America/Los_Angeles

Integration Guide for Jira

Integration Overview

Jira is an ITSM service that provides issue management to users.

Unlike our other plugins, this plugin consists of two modules. One was developed as a custom script in SOAR to perform actions on Jira, and the other as an add-on in Jira to perform actions on the SOAR product. We aimed that both products keep each other informed of certain changes on each other. SOAR is using Jira API to perform operations on Jira, and Jira is using our newly developed SOAR API to perform operations on SOAR through the add-on we developed. Issue creation must be initiated with SOAR, so we can mark the issue and track it both sides.

Integration Capabilities

ArcSight SOAR has the following integration capabilities with Jira:

- Create Issue
- Send Comment
- Update Issue
- Update Issue Status

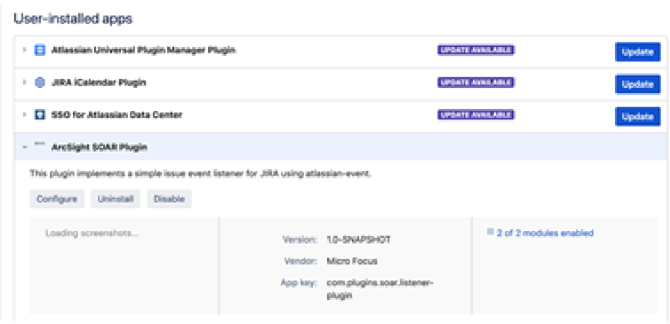
Prerequisites

You must have access to HTTPS as the ArcSight SOAR connects to Jira API through this service and Jira connects to SOAR through this service.

Configuration

Configuring SOAR

1. Navigate to **ITOM Management** and click the **Three dots** button for deployment and select **Reconfigure**.
2. Click **SOAR** tab. On the **REST API** fields, specify values for one of them and keep a note of it, as shown in the following figure:



User-installed apps

- Atlassian Universal Plugin Manager Plugin
- JIRA iCalendar Plugin
- SSO for Atlassian Data Center
- ArcSight SOAR Plugin

This plugin implements a simple issue event listener for JIRA using atlassian-event.

Loading screenshots...

Version: 1.0-SNAPSHOT
Vendor: Micro Focus
App key: com.plugins.soar.listener-plugin

2 of 2 modules enabled

Note: You can note down the **Client Id Suffix** and **Client Secret** values to be used later.

3. Click **Save**
4. Navigate to **SOAR** application and click **Configuration** > **Credentials** > **Create Credential**.
5. Specify the following parameter values in the **Credential Editor:**

Parameter	Value
Type	Internal credential.
Name	Display name of credential set (for example, Jira Credentials)
Username	Jira User Username.
Password	Jira User Password.
Private Key	

6. Click **Save**.
7. Click **Configuration** > **Lists** > **Create List**. Give the list a name (for example, jiraLookup).

Note: SOAR is going to map SOAR cases and Jira issues on this list for both sides.

8. Click **Save**
9. Click **Configuration** > **Integration** > **Create Integration**
10. Specify the following parameter values in the **Configuration Form:**

Parameter	Value
Name	Display name of Jira integration on SOAR.
Type	Jira
Address	Address of the integration (for example, https://192.168.200.231:8080).
proxy.id	ID of the Proxy integration if accessing the jira service through a web proxy device. For Example: proxy.id = 12345.
list.name	Parameter must be equal to list name that is given at step 8. (for example, list.name=jiraLookup).

Parameter	Value
Credential	Name of the credential set created on step 5(for example, Jira Credentials).
Trust Invalid SSL Certificates	Select this if service’s certificate is self-signed or is not recognized by browsers.
Required Approval From	Select users from the list who can provide approval before executing actions on this integration.
Notify	Select user(s) from the list to notify when SOAR performs an action on this integration.

11. Click **Save**.
12. Navigate to **Configuration** > **Customization Library** > **Open Jira Script**.
13. Select integration that is newly created in the **Integrations** field.
14. Click **Save** to complete the integration.
15. Click **Test**, an **Integration Successful** message is displayed if the address and credential are valid.

Configuring Jira

1. Navigate to **Jira Administration<Manage apps**.
2. Click **Upload app** and choose the Jira add-on jar file that is provided. After the installation completion, the plugin is visible in the **User-installed** apps.

   Note: You can also download the Jira add-on jar file from Marketplace.

3. Click **Configure**. Specify the values for **Base URL**, **Client ID**, **Client Secret** (as noted during creating an API user in **Configuring SOAR** part) and SOAR username (SOAR needs a JIRA user to access Jira service).
4. Click **Save**.

   Note: Now you can start creating issue on Jira by **Create Issue** capability on SOAR.

Capabilities

1. **Create Issue**
   Action capability for creating issue on Jira.

   The following table presents the **Create Issue** action capability details:

Input Parameter	Description	Type	Scope Restricted (Yes/ No)	Required (Yes/ No)
Project Key	Key of the project that you want to create issue in it.	Text	No	Yes
Issue Type	Type of the issue.	Text	No	Yes
Summary	Summary of the issue.	Text	No	Yes
Description	Description of the issue.	Text	No	Yes

Output:

Case Scope: N/A

Human Readable Output: N/A

2. **Send Comment**
Action capability for sending comment to related issue.

The following table presents the **Send Comment** action capability details:

Input Parameter	Description	Type	Scope Restricted (Yes/ No)	Required (Yes/ No)
Comment	Comment that you want to add to the issue.	Text	No	Yes

Output:

Case Scope: N/A

Human Readable Output: N/A

3. **Update Issue**
Action capability for updating attributes of the issue

The following table presents the **Update Issue** action capability details:

Input Parameter	Description	Type	Scope Restricted (Yes/ No)	Required (Yes/ No)
Summary	Summary of the issue.	Text	No	No
Description	Description of the issue.	Text	No	No
Assignee	Assignee of the issue.	Text	No	No
Priority	Priority of the issue.	Text	No	No

Output:

Case Scope: N/A

Human Readable Output: N/A

4. **Update Issue Status**
Action capability for updating status of the issue.

The following table presents the **Update Issue Status** action capability details:

Input Parameter	Description	Type	Scope Restricted (Yes/ No)	Required (Yes/ No)
Status	Status of the issue	ComboBox (Elements of the combobox are changeable by the script code)	No	Yes

Output:

Case Scope: N/A

Human Readable Output: N/A

Note: We are supporting **Update Status**, **Update Severity**, **Update Description**, **Update Subject** and **Add Comment** capabilities through SOAR application. If the Jira user changes any of the related items in the Jira issue, and if that issue description contains SoarCaseId then the prepared API requests are sent to SOAR.

SOAR then adds the SOAR CaseId into description-field during the creation of the Jira Issue. The Add-On uses this SoarCaseId for SOAR API requests.

Integration Guide for JDBC(Database) Server

Integration Capabilities

ArcSight SOAR has the following integration capability with database servers:

- JDBC Query

Use Case: Querying HR Database

With this integration, while investigating an incident SOAR can run a query on HR database to see if they are logged on the user on a suspicious endpoint. This can either be performed automatically within a playbook or manually by an analyst.

Configuration

Prerequisites

- A database listener or service for SOAR to access.
- Create a DB user account for SOAR to run the SQL queries.

Configuring Database Server

Please contact database administrator for user account and access permissions.

Configuring SOAR

1. Click **Configuration** > **Credentials** > **Create Credential**.
2. Specify the following parameter values in the **Credential Editor**:

a. Internal Credential

Parameter	Value
Type	Internal Credential
Name	Display name of credential set (For example, JDBC Credentials)
Username	User account that was configured on database server
Password	Password for user account that was configured on database server
Private Key	Empty

b. Credential Store

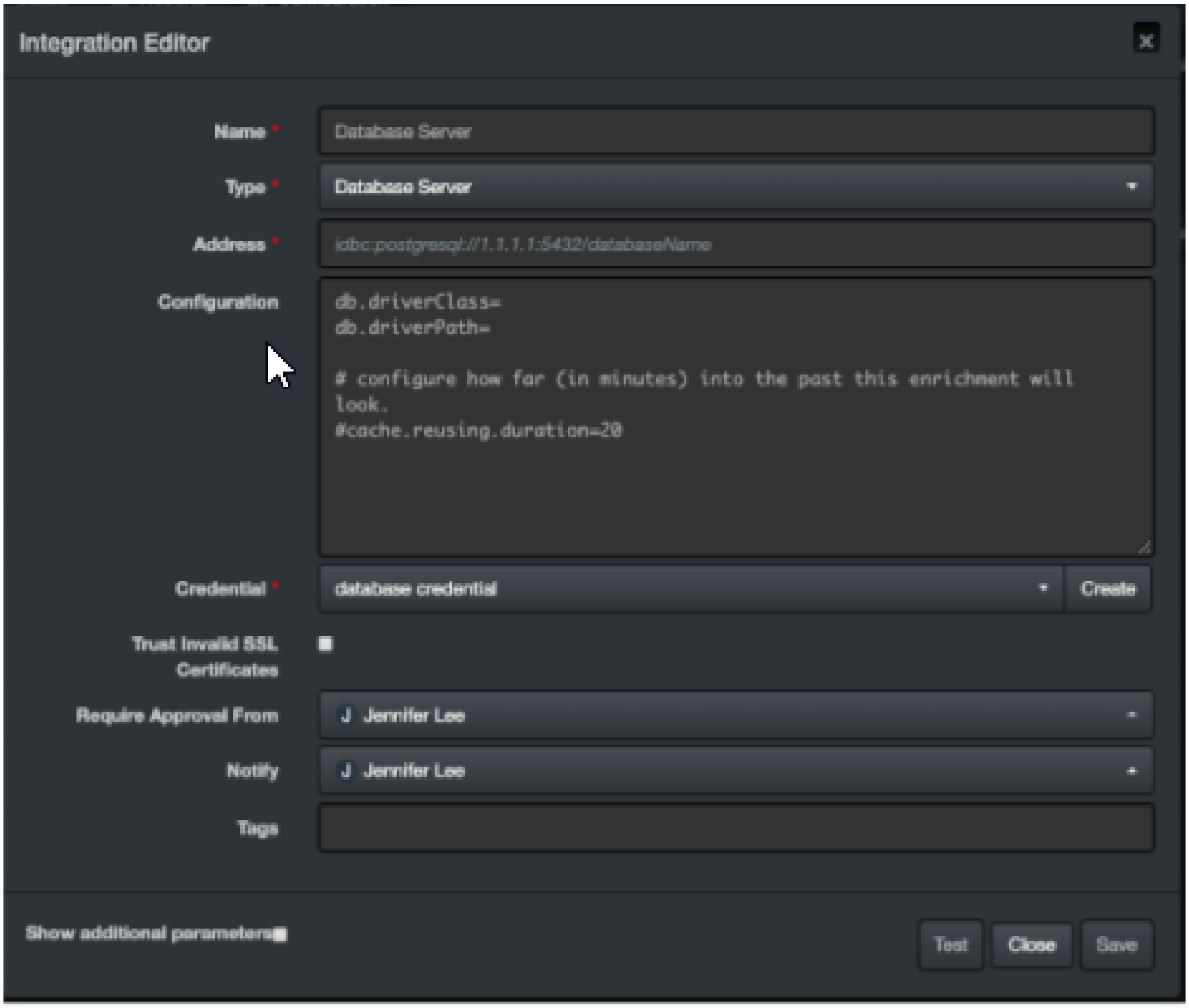
Parameter	Value
Type	External Credential
Name	Name of the credential with pull path of the safe on store.

3. Click **Configuration** > **Integrations** > **Create Integration**.
4. Specify the following parameter values in the **Configuration** form:

Parameter	Value
Name	Display name of Database Server integration on SOAR
Type	Database Server
Address	Address of the integration (in the format jdbc:driverName://192.168.3.10:5432/databaseName).

Configuration	Specify the following configuration parameters:
	`# For MySQL: db.driverClass=com.mysql.jdbc.Driver`
	`# For Oracle: db.driverClass=oracle.jdbc.OracleDriver`
	`# For PostgreSQL: db.driverClass=org.postgresql.Driver`
	`# For MSSQL Server:`
	`db.driverClass=com.microsoft.sqlserver.jdbc.SQLServerDriver`
	`db.driverClass= db.driverClass=org.postgresql.Driver`
	`# Absolute path where you put the JDBC driver's JAR file.`
	`db.driverPath=`
	`# configure how far (in minutes) into the past this enrichment will look.`
	`cache.reusing.duration=30`

Credential	Name of the credential set created on step 2. (For example, Database Server Credentials).
Trust Invalid SSL Certificates	Select this if device’s certificate is self-signed or is not recognized by browsers
Require Approval from	Select users from the list who can provide approval before executing actions on this integration
Notify	Select users from the list to notify when SOAR performs an action on this integration.



Integration Editor

Name * Database Server

Type * Database Server

Address * jdbc:postgresql://1.1.1.1:5432/databaseName

Configuration

```
db.driverClass=
db.driverPath=

# configure how far (in minutes) into the past this enrichment will
look.
#cache.reusing.duration=20
```

Credential * database credential

Trust Invalid SSL Certificates □

Require Approval From J Jennifer Lee

Notify J Jennifer Lee

Tags

Show additional parameters ■

5. Click **Test**. The following pop up will be displayed if your credential and address are valid.
6. Click **Save** to complete integration.

Integration Guide for Juniper SRX Firewall

Integration Overview

SOAR uses Juniper SRX Firewall to block IP addresses on the network perimeter using the incident scopes.

Integration Capabilities

Action

- Block
- Custom Script

Configuration

Configuring Juniper SRX Firewall

- Access to SSH as SOAR connects to Juniper SRX Firewall integration using SSH
- A SOAR user with admin role

Configuring SOAR

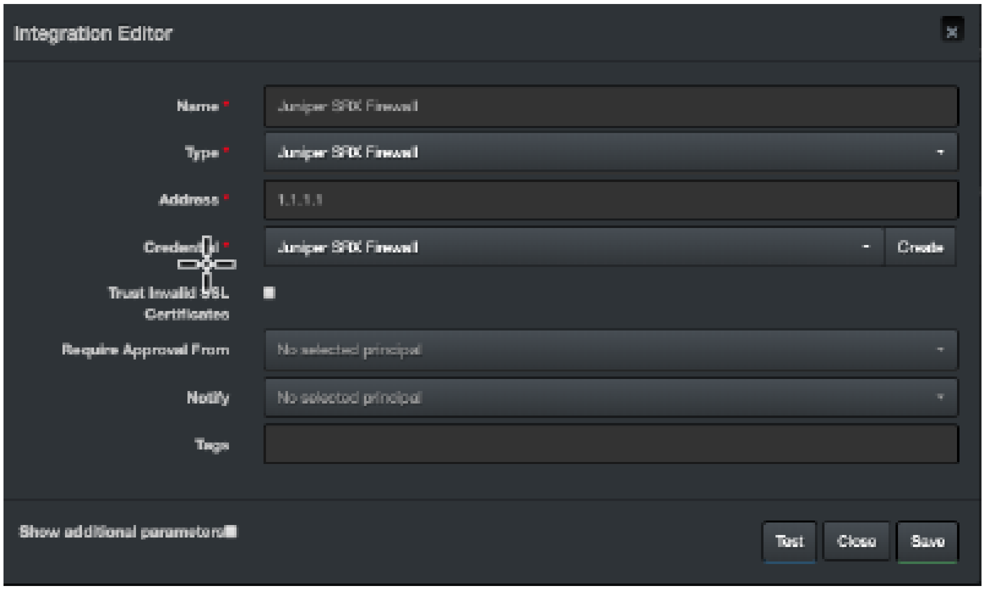
1. Click **Configuration** > **Integrations** > **Create Integration**.
2. Specify the following parameter values in the **Configuration** form:

Parameter	Value
Name	Display name of the integration
Type	Juniper SRX Firewall
Address	Address of the integration (in the following format: 1.1.1.1 or abc.example.com)
Credential	Name of the credential set created on step 2 (For example, FortiMail Credentials)

Parameter	Value
Trust Invalid SSL Certificates	Select this if Integrations's certificate is self-signed or is not recognized by browsers.
Require Approval From	Select users from the list who can provide approval before executing actions on this integration
Notify	Select users from the list to notify when SOAR performs an action on this integration

Note: You might have to review the integration actions defined and executed through the Juniper SRX Firewall related custom scripts in SOAR.

3. To find the following custom scripts, navigate to **Configuration** > **Custom Scripts**.
   - Juniper SRX Firewall Availability Check Default Template
   - Juniper SRX Firewall SSH Device Action (Block) Default Template



Integration Editor

Name *	Juniper SRX Firewall
Type *	Juniper SRX Firewall
Address *	1.1.1.1
Credential *	Juniper SRX Firewall
Trust Invalid SSL Certificates	■
Require Approval From	No selected principal
Notify	No selected principal
Tags	

Show additional parameters ■

4. Click **Test** to test the integration.
5. Click **Save** to complete the integration.

Integration Guides for Kannel SMS Gateway

Integration Overview

Kannel is an open source SMS Gateway which is used widely for sending in either single or bulk SMS(Short Message Service). Kannel links HTTP based services to various SMS centers using various protocols.

Integration Capabilities

Supported Action Capabilities

Kannel SMS Gateway allows user notifications using SMS messages which was set when creating the Playbook involving this integration.

Configuration

Configuring Kannel SMS Gateway

- Configure the integration to send SMS messages.

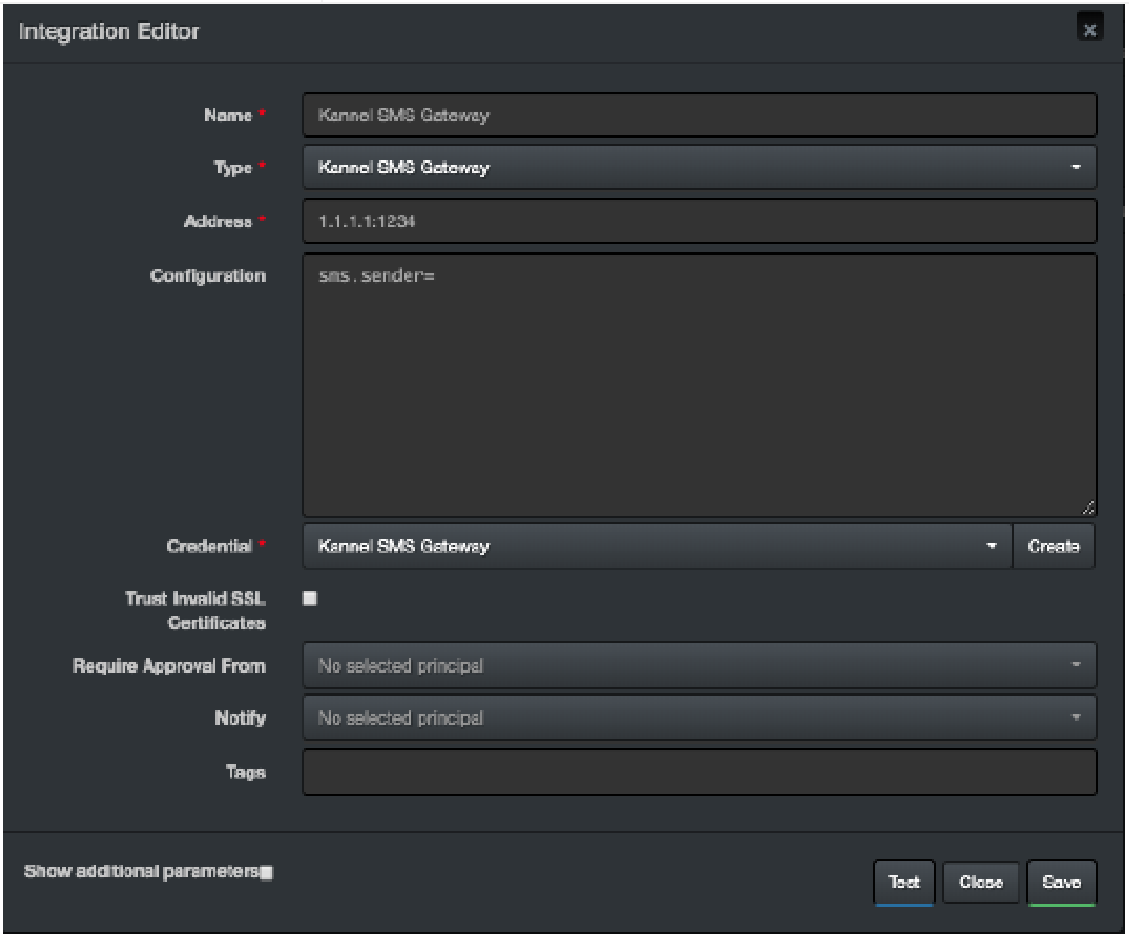
Configuring SOAR

Following are the steps to create the integration:

1. Navigate to **Configuration** > **Parameters**.
2. Configure **SMS Device** to be used as the ID of Kannel SMS Gateway integration.
3. To configure the integration, navigate to **Configuration** > **Integrations**.
4. Specify the following parameter values in the **Integration Editor**:

Parameter	Value
Name	Display name of Kannel SMS Gateway integration on SOAR
Type	Kannel SMS Gateway

Parameter	Value
Address	Address of the integration (in the following format: 1.1.1.1:1234)
Configuration	`sms.sender`=<Specify the value configured in the SMS Device field>
Credential	Name of the credential set created on step 2
Trust Invalid SSL Certificates	Select this if Integrations's certificate is self-signed or is not recognized by browsers.
Require Approval From	Select users from the list who can provide approval before executing actions on this integration
Notify	Select users from the list to notify when SOAR performs an action on this integration



Name * Kannel SMS Gateway

Type * Kannel SMS Gateway

Address * 1.1.1.1:1234

Configuration

```
sms.sender=
```

Credential * Kannel SMS Gateway

Trust Invalid SSL Certificates □

Require Approval From No selected principal

Notify No selected principal

Tags

5. Click **Test** to test the integration.
6. Click **Save** to complete the integration.

Integration Guide for Kaspersky Security Center

Integration Overview

ArcSight SOAR is capable of communicating with Kaspersky Security Center through WinRM and Powershell to block hashes, add tags to hosts, run tasks, move hosts to groups and retrieve information about various management objects.

Integration Capabilities

- Block (blacklist) SHA-256 or MD5 hash, with rollback support
- Add tag to host, with rollback support
- Move host to group
- Run task
- Retrieve host information

Configuration

Configuration on Kaspersky Security Center

- To define a Kaspersky Security Center installation as an integration on your

SOAR, following integration specific configuration should be performed.

- SOAR should be able to access the server with Kaspersky Security Center through WinRM on the network; usually with TCP port 5985 or 5986 (if SSL is enabled on WinRM). See WinRM Integration Guide for details on how to configure WinRM access.
- A local or domain administrator user account is required execute various capabilities.
- 32-bit version of Windows Scripting Host (which is available on a default Windows installation) is required to execute built-in scripts, which is usually located at C:\Windows\SYSWOW64\cscript.exe.

Configuring SOAR

- While creating this integration via Integrations tab of Configuration menu:
- Name: Display name of the integration.
- Address: Address of the integration. Format of the address should be

IP, IP:port, dns.hostname.localnet, or dns.hostname.localnet:port for HTTP;

or prefixed with https:// if HTTPS/SSL listener was enabled on WinRM.

- Credential: Credential that has been defined for this integration under the Credentials

menu.

Optional configuration

- `blockhash.categoryname:` Category name to add block hashes into; if unspecified defaults to SOAR. If specified category name doesn’t exist, it will be automatically created.
- `path.cscriptexe:` Location of the 32-bits version of the cscript.exe on server.

If unspecified, defaults to "C:\\Windows\\SysWOW64\\cscript.exe".

Note: The backslashes must be escaped and double-backslash is required.

Overriding built-in scripts

SOAR allows overriding built-in scripts using Customization Library. Create a new customization of **Basic plugin script**, take note of its ID, and set the value of the script you’d like to override in the integration configuration by specifying its identifier as specified below:

Parameter Name	Description
enrichment.gettasknames	Retrieve names of tasks available for Run task capability
enrichment.getgroupnames	Retrieve names of groups available for Move host to group capability
enrichment.gettagnames	Retrieve names of tags available for Add tag to host capability
enrichment.hostinfo	Retrieve host information enrichment script
execute.blockhash	Block hash capability
rollback.blockhash	Rollback block hash capability
execute.addtag	Add tag capability

Parameter Name	Description
rollback.addtag	Rollback add tag capability
execute.movesystem	Move host to group capability
execute.runtask	Run task capability

Important points

- When these parameters are specified, built-in scripts will be ignored and the customization with specified ID will be used instead as the script. All scripts should target Windows Scripting Host with Javascript language, unless a different/compatible interpreter is specified in path.cscriptexe parameter in integration configuration. See [https://support.kaspersky.com/9291](Kaspersky Enterprise Security Administration Kit Automation10) for reference on using its COM/ActiveX API.
- SOAR's implementation is sensitive to the expected output of these scripts; overriding a capability with a script that doesn't write expected output to stdout may break existing functionality.
- Scripts are automatically evaluated as StringTemplate and various parameters are injected into the template for block hash, run task, move host into group, add tag and host information capabilities. See built-in scripts below for example usage and [http://www.stringtemplate.org](String Template Website) for more details on how to make use of the ST engine.

Example:

# 4214 is the ID of the customization to override this capability.

execute.runtask=4214

Built-in Tasks

Get Task Names

```
function obj(name) {
return new ActiveXObject("klakaut.KlAk" + name);
}
try {
var oConnectProps = obj("Params"), oAdmServer = obj("Proxy"),
oSrvView = obj("SrvView"),
oTasks = obj("Tasks2"), item, enumObj;
oConnectProps.Add("Address", "127.0.0.1:13291");
oAdmServer.Connect(oConnectProps);
oTasks.AdmServer = oSrvView.AdmServer = oAdmServer;
enumObj = new Enumerator(oTasks.EnumTasks(-1));
WScript.Echo('[OK] [BEGIN]');
for (; !enumObj.atEnd(); enumObj.moveNext()) {
item = enumObj.item();
WScript.Echo(item.item('TASK_UNIQUE_ID') + '=' + item.item('DisplayName'));
}
WScript.Echo('[END]');
} catch (e) {
WScript.Echo("[Error] " + e.number + " occured !!! " + e.description);
}
```

Get Group Names

```
function obj(name) {
return new ActiveXObject("klakaut.KlAk" + name);
}
function EnumerateGroups(oSubgroupsEnum) {
var enumObj = new Enumerator(oSubgroupsEnum);
for (;!enumObj.atEnd();enumObj.moveNext()) {
var oObj = enumObj.item();
WScript.Echo(oObj.Item("id") + '=' + oObj.Item("name"));
if (oObj.Check("groups")) {
EnumerateGroups(oObj.Item("groups"));
}
}
}
try {
var oConnectProps = obj("Params"), oAdmServer = obj("Proxy"),
oGroups = obj("Groups");
oConnectProps.Add("Address", "127.0.0.1:13291");
oAdmServer.Connect(oConnectProps);
oGroups.AdmServer = oAdmServer;
WScript.Echo('[OK] [BEGIN]');
EnumerateGroups(oGroups.GetSubgroups(oGroups.GroupIdGroups, 0));
WScript.Echo('[END]');
} catch (e) {
WScript.Echo("[Error] " + e.number + " occured !!! " + e.description);

}
```

Get Tag Names

```
function obj(name) {
return new ActiveXObject("klakaut.KlAk" + name);
}
try {
var oConnectProps = obj("Params"), oAdmServer = obj("Proxy"),
oTagsControl = obj("TagsControl"), oProps = obj("Params"), oTags,
enumObj;
oConnectProps.Add("Address", "127.0.0.1:13291");
oAdmServer.Connect(oConnectProps);
oTagsControl.AdmServer = oAdmServer;
oTagsControl.Prop("ListName") = "HostsTags";
oTags = oTagsControl.GetAllTags(oProps);
WScript.Echo('[OK] [BEGIN]');
if (oTags != null) {
enumObj = new Enumerator(oTags);
for (; !enumObj.atEnd(); enumObj.moveNext()) {
WScript.Echo(enumObj.item() + "=" + enumObj.item());
}
}
WScript.Echo('[END]');
} catch (e) {
WScript.Echo("[Error] " + e.number + " occured !!! " + e.description);
}
```

Host Information Enrichment

```
function obj(name) {
return new ActiveXObject("klakaut.KlAk" + name);
}
function ip2long(IPaddress) {
var ip = IPaddress.match(/^(\d+)\.(\d+)\.(\d+)\.(\d+)$/);
return ip ? (+ip[1] << 24) + (+ip[2] << 16) + (+ip[3] << 8) + (+ip[4]) :
null;
}
function long2ip(l) {
return ((l >> 24) & 255) + "." + ((l >> 16) & 255) + "." + ((l >> 8) & 255) +
"." + (l & 255);
}
function coll() {
var ret = obj("Collection"), len = arguments.length, args = arguments;
if (len == 1) {
args = arguments[0].split('|');
len = args.length;
}
```

```
ret.SetSize(len);
for (var i=0; i<len; i++) {
ret.SetAt(i, (arguments.length == 1 ? "KLHST_WKS_" : "") + args[i]);
}
return ret;
}
function g(a, e) {
var r = e.item('KLHST_WKS_' + a);
if (r === undefined) {
r = '';
}
return r;
}
var rtpState = ["Unknown", "Stopped", "Suspended", "Starting", "Running",
"Running (Maximum protection)", "Running (Maximum speed)",
"Running (Recommended settings)", "Running (Custom settings)",
"Failure"];
function getStatus(v) {
var r = [];
if ((v & 1) == 1) {
r.push("Visible");
}
if ((v & 4) == 4) {
r.push("Agent:Installed");
}
if ((v & 8) == 8) {
r.push("Agent:Alive");
}
if ((v & 16) == 16) {
r.push("Real-Time-Protection:Installed");
return r.join(",");
}
try {
var oConnectProps = obj("Params"), oAdmServer = obj("Proxy"),
oHosts = obj("Hosts"), c=0;
oConnectProps.Add("Address", "127.0.0.1:13291");
oAdmServer.Connect(oConnectProps);
oHosts.AdmServer = oAdmServer;
var fieldsToReturn = "LAST_VISIBLE|STATUS|RTP_STATE|LAST_UPDATE|LAST_
FULLSCAN|
WINHOSTNAME|WINDOMAIN|OS_NAME|OS_VER_MAJOR|OS_VER_MINOR|IP_LONG|PRODUCT_TAG_
NAME";
var ftr = fieldsToReturn.split('|');
var enumObj = new Enumerator(oHosts.FindHosts("(KLHST_WKS_IP_LONG=" +
ip2long('%host%') + ")", coll(fieldsToReturn), coll()));
WScript.Echo('[OK]');
for (; !enumObj.atEnd(); enumObj.moveNext()) {
```

```
var e = enumObj.item();
WScript.Echo('[' + c++ + ']' +
'LAST_VISIBLE=' + Date.parse(g('LAST_VISIBLE', e)) +
'|LAST_UPDATE=' + Date.parse(g('LAST_UPDATE', e)) +
'|LAST_FULLSCAN=' + Date.parse(g('LAST_FULLSCAN', e)) +
'|WINHOSTNAME=' + g('WINHOSTNAME', e) +
'|WINDOMAIN=' + g('WINDOMAIN', e) +
'|OS=' + g('OS_NAME', e) + ' (' + g('OS_VER_MAJOR', e) + '.' +
g('OS_VER_MINOR', e) + ')' +
'|IP=' + long2ip(g('IP_LONG', e)) +
'|RTP_STATE=' + rtpState[g('RTP_STATE', e)] +
'|STATUS=' + getStatus(g('STATUS', e)) +
'|PRODUCT_TAG_NAME=' + g('PRODUCT_TAG_NAME', e)
);
}
WScript.Echo("[END] Retrieved information for " + c + " hosts.");
} catch (e) {
WScript.Echo("[Error] " + e.number + " occured !!! " + e.description);
}
```

Block Hash Action Capability

```
var hashes = [%hashes: {h | "%h%"}; separator=", "%];
function obj(name) {
return new ActiveXObject("klakaut.KlAk" + name);
}
try {
var oConnectProps = obj("Params"), oAdmServer = obj("Proxy"),
oCategory = obj("FileCategorizer"), oFields2Return = obj("Collection"),
oSrvView = obj("SrvView");
oConnectProps.Add("Address", "127.0.0.1:13291");
oAdmServer.Connect(oConnectProps);
oCategory.AdmServer = oSrvView.AdmServer = oAdmServer;
oFields2Return.SetSize(2);
oFields2Return.SetAt(0, "id");
oFields2Return.SetAt(1, "name");
var enumObj = new Enumerator(oSrvView.GetChunkAccessor
('customcategories',
'(name = "*")', oFields2Return, obj("Collection"))), catFound = null;
for (; !enumObj.atEnd(); enumObj.moveNext()) {
var item = enumObj.item();
if (item.item('name') === '%categoryname%') {
catFound = item.item('id');
}
// dump("", "", item, false);
// dump("", "", oCategory.GetCategory(item.item('id')), false);
}
var oCatToAdd, oInclProps, i, oCatProps = obj("Params"), oCatData = catFound
?
oCategory.getCategory(catFound) : null, oInclusions = catFound ?
oCatData.Item('inclusions') : obj("Collection");
for (i=0; i<hashes.length; i++) {
oInclProps = obj("Params");
oInclProps.Add('ex_type', 3);
oInclProps.Add(hashes[i].length == 32 ? 'str' : 'str2', hashes[i]);
oInclProps.Add('str_op', 0);
oInclusions.SetSize(oInclusions.Count + 1);
oInclusions.setAt(oInclusions.Count - 1, oInclProps);
}
if (!catFound) {
oCatProps.Add('name', '%categoryname%');
oCatProps.Add('CategoryType', 0);
oCatProps.Add('inclusions', oInclusions);
oCatToAdd = oCategory.CreateCategory(oCatProps);
WScript.Echo("[OK] [CREATED] Added " + hashes.length +
' hashes to newly created category: %categoryname%');
} else {
oCategory.UpdateCategory(catFound, oCatData);
WScript.Echo("[OK] [UPDATED] Added " + hashes.length +
' hashes to existing category: %categoryname% its current size is: '
+ oInclusions.Count);
}
} catch (e) {
WScript.Echo("[Error] " + e.number + " occured !!! " + e.description);
}
```

Rollback of block hash capability

```
var hashes = [%hashes: {h | "%h%"}; separator=", "%];
function obj(name) {
return new ActiveXObject("klakaut.KlAk" + name);
}
try {
var oConnectProps = obj("Params"), oAdmServer = obj("Proxy"),
oCategory = obj("FileCategorizer"), oFields2Return = obj("Collection"),
oSrvView = obj("SrvView");
oConnectProps.Add("Address", "127.0.0.1:13291");
oAdmServer.Connect(oConnectProps);
oCategory.AdmServer = oSrvView.AdmServer = oAdmServer;
oFields2Return.SetSize(2);
oFields2Return.SetAt(0, "id");
oFields2Return.SetAt(1, "name");
var enumObj = new Enumerator(oSrvView.GetChunkAccessor('customcategories',
'(name = "*")', oFields2Return, obj("Collection"))), catFound = null;
for (; !enumObj.atEnd(); enumObj.moveNext()) {
var item = enumObj.item();
if (item.item('name') === '%categoryname%') {
catFound = item.item('id');
}
}
if (!catFound) {
WScript.Echo("[OK] [DOESNTEXIST] Category %categoryname% doesn't exist,
no need to remove anything.");
} else {
var oCatData = oCategory.getCategory(catFound),
oInclusions = oCatData.Item('inclusions'),
oNewInclusions = obj("Collection"), i, j, k=0;
for (j=0; j<oInclusions.Count; j++) {
for (i=0; i<hashes.length; i++) {
var incl = oInclusions.Item(j);
if (incl.Item('str') !== hashes[i] && incl.Item('str2') !== hashes[i]) {
oNewInclusions.SetSize(oNewInclusions.Count + 1);
oNewInclusions.setAt(oNewInclusions.Count - 1, incl);
} else {
k++;
}
}
}
oCatData.Item('inclusions') = oNewInclusions;
oCategory.UpdateCategory(catFound, oCatData);
WScript.Echo("[OK] [UPDATED] Removed " + k + " of " + hashes.length +
' hashes from category: %categoryname% its current size is: ' +
oNewInclusions.Count);
}
} catch (e) {
WScript.Echo("[Error] " + e.number + " occured !!! " + e.description);
}
```

Add tag to host capability

```
function obj(name) {
return new ActiveXObject("klakaut.KlAk" + name);
}
function ip2long(IPaddress) {
var ip = IPaddress.match(/^(\d+)\.(\d+)\.(\d+)\.(\d+)$/);
return ip ? (+ip[1] << 24) + (+ip[2] << 16) + (+ip[3] << 8) + (+ip[4]) :
null;
}
```

```
try {
var oConnectProps = obj("Params"), oAdmServer = obj("Proxy"),
oTagsControl = obj("TagsControl"), oHosts = obj("Hosts"),
oFields2Return = obj("Collection"), enumObj, taggedHosts = 0;
oConnectProps.Add("Address", "127.0.0.1:13291");
oAdmServer.Connect(oConnectProps);
oTagsControl.Prop("ListName") = "HostsTags";
oTagsControl.AdmServer = oHosts.AdmServer = oAdmServer;
oFields2Return.SetSize(1);
oFields2Return.SetAt(0, "KLHST_WKS_HOSTNAME");
enumObj = new Enumerator(oHosts.FindHosts("(KLHST_WKS_IP_LONG=" +
ip2long('%host%') +
")", oFields2Return, obj("Collection")));
for (; !enumObj.atEnd(); enumObj.moveNext()) {
var oTagArrayItem = obj("Params");
oTagArrayItem.Add("KLTAGS_VALUE", "%tag%");
oTagArrayItem.Add("KLTAGS_SET", true);
var oTagArray = obj("Collection");
oTagArray.SetSize(1);
oTagArray.SetAt(0, oTagArrayItem);
var oHostsArrayItem = obj("Params");
oHostsArrayItem.Add("KLTAGS_ITEM_ID", enumObj.item().item('KLHST_
WKS_HOSTNAME'));
oHostsArrayItem.Add("KLTAGS_TAGS", oTagArray);
var oHostsArray = obj("Collection");
oHostsArray.SetSize(1);
oHostsArray.SetAt(0, oHostsArrayItem);
var oSetTagsCallProps = obj("Params");
oSetTagsCallProps.Add("KLTAGS_FULL_REPLACE", false);
oTagsControl.SetTags(oHostsArray, oSetTagsCallProps);
taggedHosts++;
}
WScript.Echo("[OK] Added '%tag%' to " + taggedHosts + " hosts.");
} catch (e) {
WScript.Echo("[Error] " + e.number + " occured !!! " + e.description);
}
```

Rollback of Add Tag to Host Capability

```
function obj(name) {
return new ActiveXObject("klakaut.KlAk" + name);
}
function ip2long(IPaddress) {
var ip = IPaddress.match(/^(\d+)\.(\d+)\.(\d+)\.(\d+)$/);
return ip ? (+ip[1] << 24) + (+ip[2] << 16) + (+ip[3] << 8) + (+ip[4]) :
null;
```

```
}
try {
var oConnectProps = obj("Params"), oAdmServer = obj("Proxy"),
oTagsControl = obj("TagsControl"), oHosts = obj("Hosts"),
oFields2Return = obj("Collection"), enumObj, tagRemovedHosts = 0,
removedTagCount;
oConnectProps.Add("Address", "127.0.0.1:13291");
oAdmServer.Connect(oConnectProps);
oTagsControl.Prop("ListName") = "HostsTags";
oTagsControl.AdmServer = oHosts.AdmServer = oAdmServer;
oFields2Return.SetSize(1);
oFields2Return.SetAt(0, "KLHST_WKS_HOSTNAME");
enumObj = new Enumerator(oHosts.FindHosts("(KLHST_WKS_IP_LONG=" +
ip2long('%host%') + ")", oFields2Return, obj("Collection")));
for (; !enumObj.atEnd(); enumObj.moveNext()) {
var hostId = enumObj.item().item('KLHST_WKS_HOSTNAME');
var oHostIds = obj("Collection");
oHostIds.setSize(1);
oHostIds.SetAt(0, hostId);
var oExistingTagArray = oTagsControl.GetTags(oHostIds, obj("Params"));
var oTagArray = obj("Collection");
removedTagCount = 0;
for (var i = 0; i < oExistingTagArray.Count; i++) {
var oTagEntry = oExistingTagArray.Item(i);
var oTagValues = oTagEntry.Item("KLTAGS_TAGS");
for (var j = 0; j < oTagValues.Count; j++) {
var tag = oTagValues.Item(j);
if (tag != '%tag%') {
oTagArray.SetSize(oTagArray.Count + 1);
var oTagArrayItem = obj("Params");
oTagArrayItem.Add("KLTAGS_VALUE", tag);
oTagArrayItem.Add("KLTAGS_SET", true);
oTagArray.SetAt(oTagArray.Count - 1, oTagArrayItem);
} else {
removedTagCount++;
}
}
}
var oHostsArrayItem = obj("Params");
oHostsArrayItem.Add("KLTAGS_ITEM_ID", hostId);
oHostsArrayItem.Add("KLTAGS_TAGS", oTagArray);
var oHostsArray = obj("Collection");
oHostsArray.SetSize(1);
oHostsArray.SetAt(0, oHostsArrayItem);
var oSetTagsCallProps = obj("Params");
oSetTagsCallProps.Add("KLTAGS_FULL_REPLACE", true);
oTagsControl.SetTags(oHostsArray, oSetTagsCallProps);
if (removedTagCount > 0) {
tagRemovedHosts++;
}
}
WScript.Echo("[OK] Removed '%tag%' from " + tagRemovedHosts + "
hosts.");
} catch (e) {
WScript.Echo("[Error] " + e.number + " occured !!! " + e.description);
}
```

Move system to group capability

```
function obj(name) {
return new ActiveXObject("klakaut.KlAk" + name);
}
function ip2long(IPaddress) {
var ip = IPaddress.match(/^(\d+)\.(\d+)\.(\d+)\.(\d+)$/);
return ip ? (+ip[1] << 24) + (+ip[2] << 16) + (+ip[3] << 8) + (+ip[4]) :
null;
}
try {
var oConnectProps = obj("Params"), oAdmServer = obj("Proxy"),
oHosts = obj("Hosts"), oFields2Return = obj("Collection"), enumObj,
hostsToMove = obj("Collection");
oConnectProps.Add("Address", "127.0.0.1:13291");
oAdmServer.Connect(oConnectProps);
oHosts.AdmServer = oAdmServer;
oFields2Return.SetSize(1);
oFields2Return.SetAt(0, "KLHST_WKS_HOSTNAME");
enumObj = new Enumerator(oHosts.FindHosts("(KLHST_WKS_IP_LONG=" +
ip2long('%host%') + ")", oFields2Return, obj("Collection")));
for (; !enumObj.atEnd(); enumObj.moveNext()) {
hostsToMove.SetSize(hostsToMove.Count + 1);
hostsToMove.SetAt(hostsToMove.Count - 1,
enumObj.item().item('KLHST_WKS_HOSTNAME'));
}
oHosts.MoveHostsToGroup(parseInt('%group%'), hostsToMove);
WScript.Echo("[OK] " + hostsToMove.Count + " hosts moved to group
#%group%");
} catch (e) {
WScript.Echo("[Error] " + e.number + " occured !!! " + e.description);
}
```

Run task capability

```
function obj(name) {
return new ActiveXObject("klakaut.KlAk" + name);
}
try {
var oConnectProps = obj("Params"), oAdmServer = obj("Proxy"),
oTasks = obj("Tasks2"), item, enumObj, taskFound=false;
oConnectProps.Add("Address", "127.0.0.1:13291");
oAdmServer.Connect(oConnectProps);
oTasks.AdmServer = oAdmServer;
enumObj = new Enumerator(oTasks.EnumTasks(-1));
for (; !enumObj.atEnd(); enumObj.moveNext()) {
item = enumObj.item();
if (item.item('TASK_UNIQUE_ID') == '%task%') {
oTask = oTasks.GetTask(parseInt('%task%'));
oTasks.RunTask(parseInt('%task%'));
taskFound = oTask;
}
}
WScript.Echo(taskFound ? '[OK] Task #%task%:' + taskFound.item
('DisplayName') +
' successfully started.' : '[ERROR] Specified task #%task% was not found.');
} catch (e) {
WScript.Echo("[Error] " + e.number + " occured !!! " + e.description);
}
```

Integration Guide for MAY Siber Scop NET

Integration Overview

MAY Siber Scop NET is a NAC platform that provides visibility to any connected device across the network by integrating switches, routers and firewalls. This integration has been tested with MAY Siber Scop NET 7.1.17 version.

Integration Capabilities

ArcSight SOAR has the following integration capability with MAY Siber Scop NET:

Block

Use Case: Isolating Mal-behaving PC

With MAY Siber Scop NET integration, while responding an incident ATAR may block malbehaving computers' network access in order to contain the attack and prevent further spread of the attack. Blocking the host can be performed automatically within a playbook or manually by an analyst.

Configuration

Prerequisites

- SOAR connects to MAY Siber Scop NET API via HTTPS. Typically it runs on 443/tcp port. So access to this service is required.
- An API key is required for SOAR to connect to MAY Siber Scop NET.

Configuring MAY Siber Scop NET

Login to MAY Siber Scop NET and create Web service key under **Settings** > **Global Settings** > **Web Service Key** menu.

Configuring SOAR

1. Navigate to **Configuration** > **Credentials** and click **Create Credential**.
2. Fill the Credential Editor form as follows:

a. **Internal Credential:**

Type	Name	Username	Password	Private Key
Internal credential.	Display name of credential set (i.e., MAY Siber Scop NET Credential).	Empty.	Web Service Key you have created for ATAR on MAY Siber Scop NET.	Empty.

b. **Credential Store:**

Type	Name
External credential.	Name of the credential with pull path of the safe on store.

3. Navigate to **Configuration** > **Integrations** and click **Create Integration**.
4. Fill the configuration form as follows:

<table>
<tr><th>Parameter</th><th>Value</th></tr>
<tr><td><b>Name:</b></td><td>Display name of MAY Siber Scop NET integration on SOAR.</td></tr>
<tr><td><b>Type:</b></td><td>MAY Siber Scop NET.</td></tr>
<tr><td><b>Address:</b></td><td>Address of the integration (the format should be https://1.1.1.1 or https://abc.example.com).</td></tr>
<tr><td><b>Configuration:</b></td><td>You need to specify the following configuration parameters:
<pre>
# Blocked by message customization
$incident. for incident, $rule. for rule ,$alert. for alert
$incident. for incident, $rule. for rule ,$alert. for alert
$incident. for incident, $rule. for rule ,$alert. for alert
$incident.serial$ for incident serial, $incident.subject$ for incident
# subject
$rule.id$ for rule id, $rule.name$ for rule name
# for customize reasons followings can be uncomment
#block.reason=Blocked by ATAR - $incident.serial$ $incident.subject$
#rollback.reason=Rollbacked by ATAR - $incident.serial$ $incident.subject$
</pre></td></tr>
<tr><td><b>Credential:</b></td><td>Name of the credential set you’ve just created on step 2. (i.e., MAY Siber Scop NET Credential).</td></tr>
<tr><td><b>Trust Invalid SSL Certificates:</b></td><td>Select this if Engine’s certificate is self-signed or not recognized by browsers. Not selected.</td></tr>
<tr><td><b>Require Approval From:</b></td><td>Select user(s) from list to ask her/his approval before executing actions on this integration.</td></tr>
<tr><td><b>Notify:</b></td><td>Select user(s) from the list to notify when ATAR performs an action on this integration.</td></tr>
</table>

5. When you click the **Test** button a success message is displayed.
6. Click **Save** to complete integration.

Integration Guide for McAfee ePolicy Orchestrator

Integration Overview

McAfee ePolicy Orchestrator (ePO) is a management server for McAfee products which are used to protect endpoints from malware and network threats. It provides a centralized management console to simplify and accelerate the security effectiveness with visibility and control from device to cloud. This integration has been tested with McAfee ePolicy Orchestrator NET 5.10 version.

Integration Capabilities

- SOAR has the following integration capabilities with McAfee ePolicy Orchestrator:
- Assign Policy
- Apply Tag
- Host Information
- Move Host
- Run Task
- Set TIE Reputation

Use Case: Examining suspicious endpoint

With this integration, during the investigation of an incident SOARmay start an on-demand scan on a suspicious endpoint and may force new policy or move host to other place in system tree regarding scan result. This can be performed automatically within a playbook or manually by an analyst.

Configuration

Prerequisites

- SOAR connects to McAfee ePolicy Orchestrator API through HTTPS. Typically it runs on 8443/tcp port. So access to this service is required.
- An user account is required for SOAR to connect McAfee ePolicy Orchestrator.

Configuration on McAfee ePolicy Orchestrator

1. Navigate to **User Management** > **Permission** Sets and create a permission set for SOAR with the following permissions:

Endpoint Security Threat Prevention	View and change task settings
McAfee Agent	View and change policy settings
McAfee TIE Reputations	View and change reputations
Queries and Reports	Use public groups.
Systems	Edit System Tree groups and systems & Apply, exclude, and clear tags
System Tree access	Can search on the following nodes and portions of the System
Tree	My Organization & Can access the following nodes and portions of the System

2. View and change policy settings for the products that you want SOAR to chance policies for (for example: Endpoint Security Threat Prevention, Endpoint Security Firewall, Active Response, etc.)
3. Navigate **User Management** > **Users** and create a user with permission set you in previous step.

Configuring SOAR

1. Navigate to **Configuration** > **Credentials** and click **Create Credential.**
2. Fill the Credential Editor form as follows:

   a. **Internal Credential:**

Type	Name:	Username:	Password:	Private Key:
Internal credential.	Display name of credential set (i.e., McAfee ePO Credentials).	Username you have configured on McAfee ePolicy Orchestrator.	Password for the user you have configured on McAfee ePolicy Orchestrator.	Empty.

   b. **Credential Store:**

Type:	Name:
External credential.	Name of the credential with pull path of the safe on store.

3. Navigate to **Configuration** > **Integrations** and click **Create Integration**.

4. Fill the configuration form as follows:

Parameter	Value
Name	Display name of McAfee ePolicy Orchestrator integration on ATAR.
Type	McAfee ePolicy Orchestrator.
Address	Address of the integration (the format should be https://192.168.2.100:8443).

Configuration	You need to specify the following configuration parameters. For the first integration these values can be left as is:
	`system.move.autoSort=false`
	`clienttask.run.retryAttempts =`
	`clienttask.run.retryIntervalInSeconds =`
	`clienttask.run.abortAfterMinutes =`
	`clienttask.run.useAllAgentHandlers =`
	`clienttask.run.stopAfterMinutes=`
	`clienttask.run.randomizationInterval =`
	`policy.assignToSystem.resetInheritance=`

Credential	Name of the credential set you’ve just created on step 2. (i.e., McAfeeePO Credentials).
Trust Invalid SSL Certificates	Select this if Engine’s certificate is self-signed ornot recognized by browsers.
Require Approval From	Select user(s) from list to ask her/his approval beforeexecuting actions on this integration.
Notify	Select user(s) from the list to notify when SOARperforms an action on thisintegration.

5. When you click the **Test** button a success message is displayed.
6. Click **Save** to complete integration.

Integration Guide for McAfee Network Security Platform (IPS)

Integration Overview

McAfee Network Security Platform is an intrusion prevention system (IPS) to identify malicious network traffic and stops never-before-seen attacks for which no signatures exist. This integration has been tested with McAfee Network Security Platform 9.2.7.22 version.

Integration Capabilities

SOAR has the following integration capabilities with McAfee Network Security Platform:

- Blacklist MD5 Hash
- Quarantine IP address

Configuration

Prerequisites

- SOAR connects to McAfee Network Security Platform's API via HTTPS. By default McAfee Network Security Platform REST-API interface works on 443/tcp port. So access permission to this port is required.
- A user account is required for SOAR to connect McAfee Network Security Platform.

Configuration on McAfee Network Security Platform (IPS)

1. Navigate to **Manager** > **Users and Roles** > **Users** and create a user account with Super User role. In order to access API, Super User role is needed.
2. Navigate to **Devices** and note the device/sensor names.

Configuring SOAR

1. Navigate **Configuration** > **Credentials** and click **Create Credential**.
2. Fill the Credential Editor form as follows:

   a. Internal Credential:

Type	**Name**	**Username**	**Password**	**Private Key**
Internal credential.	Display name of credential set (i.e., McAfee NSP Credentials).	User you have created for SOAR on McAfee Network Security Platform.	Password of the user you have created for SOAR on McAfee Network Security Platform.	Empty.

b. Credential Store:

Type	**Name**
External credential.	Name of the credential with pull path of the safe on store.

3. Navigate to **Configuration** > **Integrations** and click **Create Integration**.
4. Fill the configuration form as follows:

<table>
<tr><th>Parameter</th><th>Value</th></tr>
<tr><td><b>Name</b></td><td>Display name of McAfee Network Security Platform integration on SOAR.</td></tr>
<tr><td><b>Type</b></td><td>McAfee Network Security Platform.</td></tr>
<tr><td><b>Address</b></td><td>Address of the integration (the format should be https://192.168.2.2).</td></tr>
<tr><td><b>Credential</b></td><td>Name of the credential set you’ve just created on step 2. (i.e., McAfee NSP Credentials).</td></tr>
<tr><td><b>Trust Invalid SSL Certificates</b></td><td>Select this if Platform’s certificate is self-signed or not recognized by browsers.</td></tr>
<tr><td><b>Configuration</b></td><td>You need to specify the following configuration parameters.<pre>
# Name of ISP Devices/Sensors. You may write multiple device names separated by '|' character.
SENSOR_NAME=SENSOR1|SENSOR2
#proxy.id=5442
</pre></td></tr>
<tr><td><b>Require Approval From</b></td><td>Select user(s) from list to ask her/his approval before executing actions on this integration.</td></tr>
<tr><td><b>Notify</b></td><td>Select user(s) from the list to notify when SOAR performs an action on this integration.</td></tr>
</table>

5. When you click on the **Test** button a success message is displayed.
6. Click **Save** to complete integration.

Integration Guide for McAfee Web Gateway

Integration Overview

McAfee Web Gateway is a web filtering solution which utilizes both reputation and categorybased filtering and protection against zero-day malware as well. This integration has been tested with McAfee Web Gateway 7.7.2.8.0 version.

Integration Capabilities

SOAR has the following integration capability with McAfee Web Gateway:

- Block URL

Use Case: Blocking access to malicious URL

SOAR can integrate with McAfee Web Gateway to block malicious URLs detected while responding an incident. Blocking can be performed automatically within a playbook or manually by an analyst.

Configuration

Prerequisites

- SOAR connects to McAfee Web Gateway's API through HTTPS. By default McAfee Web Gateway REST-API interface works on 4712/tcp port. So access permission to this port is required.
- A user account for SOAR to connect to McAfee Web Gateway.

Configuration on McAfee Web Gateway

1. Navigate to **Accounts** menu and add a new Role to be used for SOAR user. The new role should have at least "Rest-Interface Accessible" permission.
2. Navigate through Accounts menu and add an Internal Administrator Account with the role you have created in previous step.
3. Create a Wildcard Expression List under **Policy** > **Lists**.

4. Create a new rule and enable it under **Policy** > **Rule Sets** > **URL Filtering** menu to use list created in previous step. Rule criteria should be:

   URL.Host matches in list ATARBlock

5. Save changes.

Configuration on SOAR

1. Navigate **Configuration** > **Credentials** and click **Create Credential**.
2. Fill the Credential Editor form as follows:

   a. Internal Credential:

Type	Name	Username	Password	Private Key
Internal credential.	Display name of credential set (i.e., McAfee Web GW Credential).	User you have created for SOAR on McAfee Web Gateway.	Password of the user you have created for SOAR on McAfee Web Gateway.	Empty.

   b. Credential Store:

Type	Name
External credential.	Name of the credential with pull path of the safe on store.

3. Navigate **Configuration** > **Integrations** and click **Create Integration.**
4. Fill the configuration form as follows:

Parameter	Value
Name	Display name of McAfee Web Gateway integration on SOAR
Type	McAfee Web Gateway
Address	Address of the integration (the format should be 192.168.1.1:4712)

Configuration	You need to specify the following configuration parameters:
	`# Use the McAfee Web Gateway management interface to create the`
	`# list in Policy -> Rule set -> URL filtering section. SOAR will use`
	`# specified list name when adding blocked items.`
	`block.list.name=ATARBlock`

Credential	Name of the credential set you’ve just created on step 2. (i.e., McAfeeWeb GW Credential)

Parameter	Value
Trust Invalid SSL Certificates	Select this if the certificate of the engine is self-signed or is not recognized by browsers
Require Approval From	Select users from the list who can provide approval before executing actions on this integration
Notify	Select users from the list to notify when SOAR performs an enrichment on this integration

5. On Integration editor, click **Show Additional Parameters** checkbox and set **ConnectionLimit** to “1” . Because of a limitation of McAfee Web Gateway, this value should never be greater than “1”.
6. When you click the **Test** button the following popup should be displayed if yourcredential and address is valid.
7. Click **Save** to complete integration.

Integration Guide for McAfee Web Gateway v2

Integration Overview

McAfee Web Gateway is a web filtering solution which utilizes both reputation and category-based filtering and protection against zero-day malware as well.

Integration Capabilities

SOAR has the following integration capability with McAfee Web Gateway v2:

- Add Entry to List
- Remove Entry from List
- Get List Entries
- Get List Entry Details
- Get Lists

Configuration

Configuring McAfee Web Gateway v2

- Configure the **Username** and **Password** for McAfee Web Gateway v2.
- Enable **REST-Interface accessible**permission for the administrator role.

Configuring SOAR

1. Navigate **Configuration** > **Credentials** and click **Create Credential**.
2. Specify the following parameter values in the Credential Editor form:

Parameter	Value
Type	Internal Credential
Name	Display name of credential set (For example,McAfee Web Gateway v2 Credential)
Username	<Username>
Password	<password>
Private Key	Empty

3. Click **Configuration** > **Integrations** > **Create Integration**.
4. Specify the following parameter values in the Configuration form:

Parameter	Value
Name	Display name of McAfee Web Gateway v2 integration on SOAR
Type	Advanced Scriptable Device
Address	https://{base_url:port}

Parameter	Value

Configuration	Specify the following configuration parameters:
	`## Please use the McAfee Web Gateway management interface to create the list.`
	`# ArcSight SOAR will use the specified list name when no List parameter is specified`
	`# for the enrichment and action capabilities.`
	`default.list.name=ATARBlockList`
	`# Integration ID of the proxy integration to use when connecting to current integration.`
	`# If not provided, ArcSight SOAR will try to use a direct connection.`
	`#proxy.id=123`
	`# Maximum number of results to return from the API.`
	`# If not provided, the integration will gather all results.`
	`#max.result.count=100`

Credential	Name of the credential set that you just created in step 2. (i.e., McAfeeWebGateway v2 Credentials)
Trust Invalid SSL Certificates	Select this if the certificate of the engine is self-signed or is not recognized by browsers
Require Approval From	Select users from the list who can provide approval before executing actions on this integration
Notify	Select users from the list to notify when SOAR performs an enrichment on this integration

5. Click **Show Additional Parameters**and specify the following parameters in the Configuration form.

Parameter	**Value**
Batch Size	1
Connection Limit	1

6. Click **Test**, an **Integration Successful** message is displayed if the credential and address are valid.
7. Click **Save** to complete the integration.

Capabilities

1. **Add Entry to List**

   Action capability to take the List name/ID to be added, Value to be added, and Description of the entry being added, and adds entry to the list. An asterisk can be added to the beginning and/or end of the value.

Input Parameter	Description	Type	Scope Restricted (Yes/ No)	Required (Yes/ No)
Value	Entry value to add to the list	Network Address, Host, URL, Keyword, Unknown	Yes	Yes
List	Name or ID of the list. If not specified, the default list in the configuration will be used.	String	No	No
Description	Description of the list entry	String	No	No
Prefix Asterix	Add asterisk to the beginning of the 'Value' input	Checkbox	No	No
Suffix Asterix	Add asterisk should be added to the end of the 'Value' input	Checkbox	No	No

   Output:

   Case Scope

   N/A

   Human Readable Input

   N/A

2. **Remove Entry from list**

   Action capability that takes the List name/ID and the Value of the entry to remove, then removes the entry from the list. An asterisk can be added to the beginning and/or end of the value.

Input Parameter	Description	Type	Scope Restricted (Yes/ No)	Required (Yes/ No)
Value	Entry value to remove from the list	Network Address, Host, URL, Keyword, Unknown	Yes	Yes
List	Name or ID of the list. If not specified, the default list in the configuration will be used.	String	No	No
Prefix Asterix	Add asterisk to the beginning of the **Value** input	Checkbox	No	No
Suffix Asterix	Add asterisk to the end of the **Value** input	Checkbox	No	No

Note: Suffix Asterix parameter is optional.

Output:

Case Scope:

N/A

Human Readable Output

N/A

3. **Get List Entries**

Takes the List name and returns the entries.

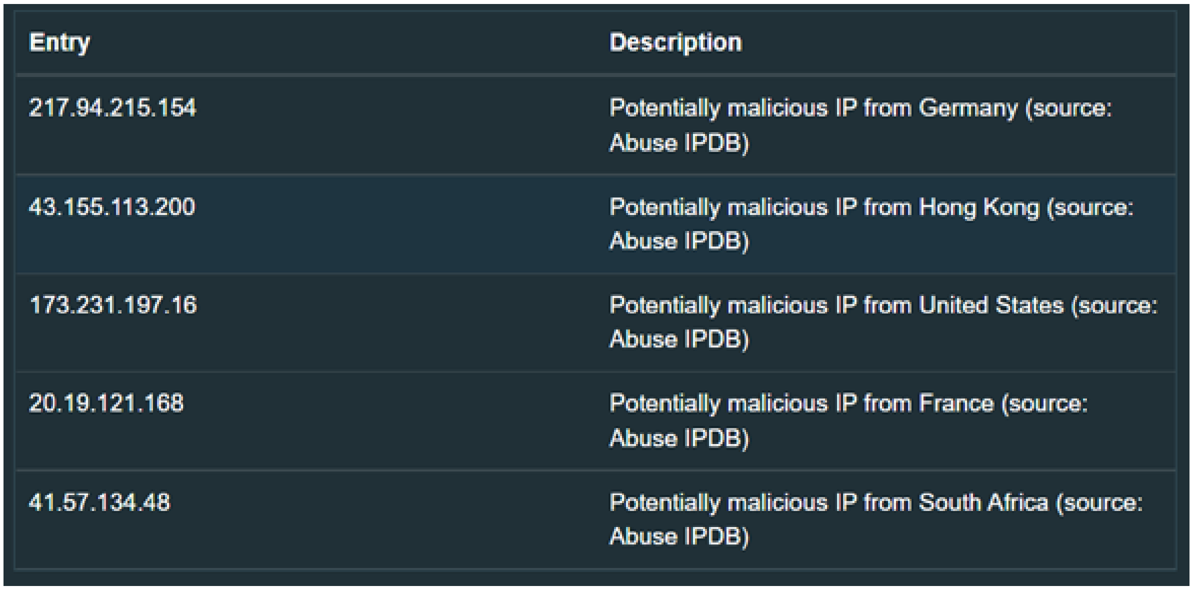
Input Parameter	Description	Type	Scope Restricted (Yes/ No)	Required (Yes/ No)
Integration	McAfee Web Gateway v2	N/A	No	Yes
List	Name or ID of the list If not specified, the default list in the configuration will be used	String	No	No

Output:

Case Scope

Action	**Type**	**Category/Value**
N/A	N/A	N/A

Human Readable Output:



Entry	Description
217.94.215.154	Potentially malicious IP from Germany (source: Abuse IPDB)
43.155.113.200	Potentially malicious IP from Hong Kong (source: Abuse IPDB)
173.231.197.16	Potentially malicious IP from United States (source: Abuse IPDB)
20.19.121.168	Potentially malicious IP from France (source: Abuse IPDB)
41.57.134.48	Potentially malicious IP from South Africa (source: Abuse IPDB)

4. **Get List Entry Details**

Takes the entry Value and List and retrieves the entry details.

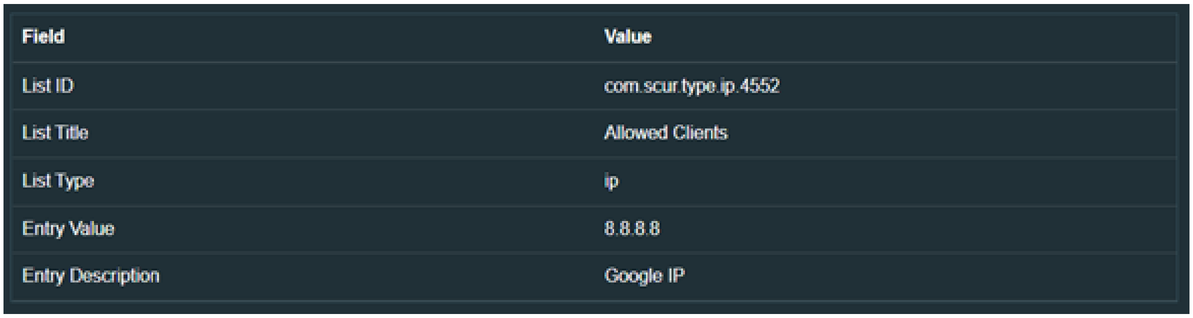
Input Parameter	Description	Type	Scope Restricted (Yes/ No)	Required (Yes/ No)
Integration	McAfee Web Gateway v2	N/A	No	Yes
Value	Entry value to fetch details	Network Address, Host, URL, Keyword, Unknown	Yes	Yes
List	Name or ID of the list If not specified, the default list in the configuration will be used	String	No	No

Output:

Case Scope

Action	Type	Category/Value
N/A	N/A	N/A

Human Readable Output:



Field	Value
List ID	com.scur.type.ip.4552
List Title	Allowed Clients
List Type	ip
Entry Value	8.8.8.8
Entry Description	Google IP

5. **Get Lists**

   Enrichment capability that takes the list types and retrieves all available lists for the list type specified.

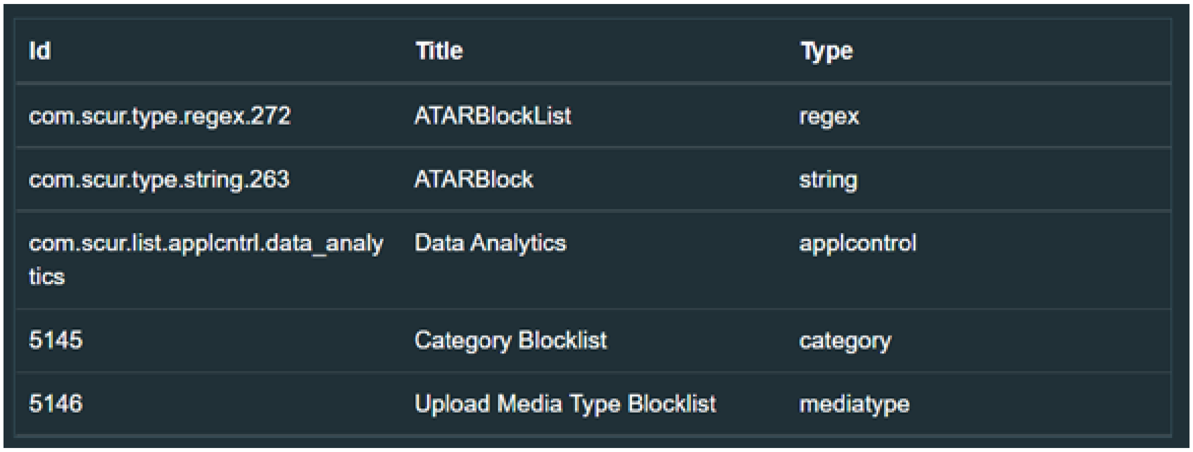
Input Parameter	Description	Type	Scope Restricted (Yes/ No)	Required (Yes/ No)
Integration	McAfee Web Gateway v2	N/A	No	Yes
Type	Type of the list	Type of the list such as All, IP, IP Range, Number, Regex, String	No	Yes

Output:

Case Scope:

Action	Type	Category/Value
N/A	N/A	N/A

Human Readable Output:



Id	Title	Type
com.scur.type.regex.272	ATARBlockList	regex
com.scur.type.string.263	ATARBlock	string
com.scur.list.applcntrl.data_analytics	Data Analytics	applcontrol
5145	Category Blocklist	category
5146	Upload Media Type Blocklist	mediatype

Integration Guide for Micro Focus Arcsight ESM

See Integrating SOAR with ESM

Integration Guide for Micro Focus ArcSight Logger

Integration Overview

ArcSight Logger is a log management solution for compliance, efficient log search, and secure storage.

Integration Capabilities

ArcSight SOAR has the following integration capability with Micro Focus ArcSight Logger:

- Search Query

Use Case: Investigating Cyber-attacks

Integrated with Micro Focus ArcSight Logger, ATAR queires logs collected from various enterprise systems to enrich incident ticket, and improve analyst’s understanding of incident.

Configuration

Prereqisites

- Currently SOAR supports Micro Focus ArcSight Logger version 6.3.1.7874.0 and later.SOAR connects to Micro Focus ArcSight Logger API using HTTPS. By default REST-API interface works on 443/tcp port. So access permission to this port is required.
- A user account is required for ATAR to connect Micro Focus ArcSight Logger.

Configuration on Micro Focus ArcSight Logger

- Click **System Admin** > **Users/Groups** > **User Management** and add a user account with **Default Logger Search Group**.

Configuring SOAR

Configuring SOAR

1. Click **Configuration** > **Credentials** > **Create Credential**.
2. Specify the following parameter values in the **Credential Editor**:

a. **Internal Credential**

Parameter	Value
Type	Internal Credential
Name	Display name of credential set (For example, ArcSight Logger Credentials)
Username	User you have created for ATAR on Micro Focus ArcSight Logger.
Password	Password of the user you have created for ATAR on Micro Focus ArcSight Logger.
Private Key	Empty

b. **Credential Store:**

Parameter	Value
Type	External Credential
Name	Name of the credential with pull path of the safe on store

3. Click **Configuration** > **Integrations** > **Create Integration**.
4. Specify the following parameter values in the **Configuration** form:

<table>
<tr><th>Parameter</th><th>Value</th></tr>
<tr><td>Name</td><td>Display name of Micro Focus ArcSight Logger integration on SOAR</td></tr>
<tr><td>Type</td><td>Micro Focus ArcSight Logger</td></tr>
<tr><td>Address</td><td>Address of the integration (the format must be https://192.168.12.6)</td></tr>
<tr><td>Configuration</td><td>Specify the following configuration parameters:
<pre>
events.pageLength=10000
# configure how far (in minutes) into the past this enrichment will look.
#cache.reusing.duration=20
# local search enabling parameter for Search Query capability.
# If this is set false, ATAR will perform searches on all nodes.
#local.search.enabled=false
# use master session while fetching events from peers for Search Query.
# If this is set true, ATAR will use the same session ID while performing
# searches on the other nodes.
#reuse.master.session=false
# peers credential list (if master session won't be shared)
# peer address and credential ID values must be separated with :
# additional peer-credential pairs must be separated with |
#peer.credential.list=1.1.1.1:CredentialId|2.2.2.2:CredentialId
</pre></td></tr>
<tr><td>Credential</td><td>Name of the credential set created on step 2 (For example, ArcSight Logger Credentials)</td></tr>
<tr><td>Trust Invalid SSL Certificates</td><td>Select this if Engine's certificate is self-signed or is not recognized by browsers</td></tr>
</table>

5. Click **Test** to test the integration.

6. Click **Save** to complete the integration.

Additional Notes

- In order to execute queries on Micro Focus ArcSight Logger, you should create query scripts with **ArcSight Logger Query** type under **Configuration** -> **Customization Library**.
- SOAR extracts scope items on columns defined as Artifact in the query script. For example, `// Artifact: deviceCustomNumber1Label | KEYWORD | RELATED`

Integration Guide for Microsoft Active Directory

Integration Overview

Microsoft Active Directory is an umbrella title for directory-based identity related services that Microsoft developed for the Windows domain networks.

ArcSight SOAR has the following integration capabilities with Microsoft Active Directory:

- Add user to a group
- Remove user from a group
- Lock user acoount
- Get user information
- Get user’s groups
- Get group list
- Get group information
- Get computer information
- List computers on domain
- Fetch a domain object

Use Case: Compromised user account

During the investigation of the attack SOAR can ask Microsoft Active Directory the details of theuser account suspicious to be compromised, check the groups account belongs to, locks the account, fetches her/his manager’s information and send a notification e-mail to manager if needed.

This can be performed automatically within a playbook or manually by an analyst.

Configuration

Prerequisites

- SOAR connects to Microsoft Active Directory using LDAPS protocols. Access to 636/tcp
- port is required.
- A domain user account is required for SOAR to connect Microsoft Active Directory.

Configuration on Microsoft Active Directory

- Create a user account on Domain Controller with no password expiry.
- Add this user into “Account Operators” group. Members of this group can manage groups and accounts on domain except domain admins.

Configuring SOAR

1. Navigate **Configuration** > **Credentials** and click **Create Credential**.
2. Fill the Credential Editor form as follows:

   a. Internal Credential:

Type	Name:	Username	Password	Private Key
Internal credential.	Display name of credential set (i.e., Microsoft AD Credentials).	User you have created for SOAR on Microsoft Active Directory (the format should be username@domain).	Password of the user you have created for SOAR on Microsoft ActiveDirectory.	Empty.

   b. Credential Store:

Type	Name
External credential.	Name of the credential with pull path of the safe on store.

3. Navigate to **Configuration** > **Integrations** and click **Create Integration.**
4. Fill the configuration form as follows:

Parameter	Value
Name	Display name of Microsoft Active Directory integration on SOAR.
Type	Microsoft Active Directory.
Address	Address of the integration (the format should be 192.168.2.2:636).

<table>
<tr><th>Parameter</th><th>Value</th></tr>
<tr><td>Configuration</td><td>You need to specify the following configuration parameters.
<pre>
# SOAR will search objects under LDAP searchbase specified.
# Format should be "DC=EXAMPLE,DC=COM"
ldap.searchbase=DC=EXAMPLE,DC=COM
# LDAP domain should be like "example.com"
ldap.domain=example.com
# LDAP NT domain name should be like "EXAMPLE"
ldap.ntdomain=EXAMPLE
# Username for LDAP service availability check.
# SOAR will try to bind LDAP service as this user.
ldap.checkavailabilityuser=testuser01@example.com
# configure how far (in minutes) into the past this enrichment will look.

cache.reusing.duration=30
</pre></td></tr>
<tr><td>Credential</td><td>Name of the credential set you’ve just created on step 2. (i.e., Microsoft AD Credentials).</td></tr>
<tr><td>Trust Invalid SSL Certificates</td><td>Select this if Engine’s certificate is self-signed or not recognized by browsers.</td></tr>
<tr><td>Require Approval From</td><td>Select user(s) from list to ask her/his approval before executing actions on this integration.</td></tr>
<tr><td>Notify</td><td>Select user(s) from the list to notify when SOAR performs an action on this integration.</td></tr>
</table>

5. Click on the **Test** button.
6. Click **Save** to complete integration.

Integration Guide for Microsoft Azure Active Directory

Integration Overview

Azure Active Directory (Azure AD) is Microsoft's cloud-based identity and access management service. It helps users to sign-in and access both external and internal resources, for example Microsoft 365, Azure portal, SaaS applications and many more.

Integration Capabilities

ArcSight SOAR has the following integration capabilities with Azure Active Directory:

- Add User to Group
- Disable User
- Enable User
- Get User Details
- Get User's Manager
- List Groups
- List User's Groups
- List Users
- Remove User from Group
- Revoke Sessions
- Create Group
- Delete Group
- List Delegated Permissions

Prerequisites

You must have access to HTTPS as the ArcSight SOAR connects to Azure Active Directory API through this service.

Configuration

Configuring Microsoft Azure

1. Log in to Azure Portal and navigate to **Azure Active Directory** service.
2. Click **App Registrations** tab to create a new registration with the following values:

Name	Supported Account Types	Redirect URL
ArcSight SOAR	Accounts in the organizational directory (Default Directory only - Single tenant)	(Web) https://localhost/soar

3. Navigate to **Add a certificate or secret> Client secret**to create a client secret. Add ArcSight SOAR as description and specify the expiry period as 24 months.
4. Note down the **Secret Key** value and **Client ID**.
5. Navigate to **API Permissions** and add the following permissions:

Permission Type	Permission	Description
Delegated	Directory Access as user All	Access directory as the signed in user
Application	Directory Read write All	Read and write directory data
Application	User Read write All	Read and write all users' full profiles.

6. Click **Yes** to grant admin consent for **Default Directory**.

Configuring SOAR

1. Click **Configuration** > **Credential** > **Create Credential**.
2. Specify the following parameter values in the **Credential Editor** form:

Type	Name	Username	Password	Private Key
Internal credential	Display name of credential set (for example, Azure AD Credentials).		Client ID of the application (for example, ArcSight SOAR) that you registered on Azure portal.	Secret Key

3. Click **Configuration** > **Integrations** > **Create Integration**.

4. Specify the following parameter values in the **Configuration** form:

<table>
<tr><th>Parameter</th><th>Value</th></tr>
<tr><td><b>Name</b></td><td>Display name of the integration.</td></tr>
<tr><td><b>Type</b></td><td>Microsoft Azure Active Directory.</td></tr>
<tr><td><b>Address</b></td><td>Address of the integration (for example, https://graph.microsoft.com/v1.0).</td></tr>
<tr><td><b>Configuration</b></td><td>Specify the following configuration parameters:
<table>
<tr><td><b>list.name</b></td><td><b>Tenant ID on Microsoft Azure tenant.id = ff1f0000-c600-4500-0038-9d4000000000</b></td></tr>
<tr><td><b>proxy.id</b></td><td><b>ID of the Proxy integration if you access Microsoft Azure Active Directory through a web proxy device. For example, proxy.id = 12345</b> .</td></tr>
</table></td></tr>
<tr><td><b>Credential</b></td><td>Credential that has been defined for this integration under the <b>Credentials</b> menu.</td></tr>
<tr><td><b>Trust Invalid SSL Certificates</b></td><td>Select this if web server’s certificate is self-signed or is not recognized by browsers.</td></tr>
<tr><td><b>Require Approval From</b></td><td>Select users from the list who can provide approval before executing actions on this integration</td></tr>
<tr><td><b>Notify</b></td><td>Select users from the list to notify when SOAR performs an enrichment on this integration</td></tr>
</table>

5. Click **Save** to save the integration definition.
6. Navigate to **Configuration**>**Customization Library** and edit **Microsoft Azure Active Directory Advanced Action Script Default Template**.
7. Select the integration that you have added to **Integrations** menu.
8. Click **Save** to complete the integration
9. Click **Test**, an **Integration Successful** message is displayed if the credential and address are valid.

Capabilities

1. **Add User to Group**
   Action capability for adding a user to given AD group.

   • Rollback: Yes

   • Duplicate Control: No

   The following table provides the **Add User to Group** action capability details:

Parameter	Description	Type	Scope Restricted (Yes/ No)	Required (Yes/ No)
Integration	Name of the third-party integration.	Integration	N/A	Yes
Rollback Mode	Time to rollback this action. Default is no-rollback.	N/A	N/A	No
User	Username to be added to group	Username Email Address Keyword Unknown	Yes	Yes
Group ID	Target group ID	String	No	Yes

Output:

Case Scope: N/A

Human Readable Output: N/A

2. **Disable User**
Action capability for disabling user account by blocking the sign-in procedure.

• Rollback: Yes

• Duplicate Control: No

The following table provides the **Disable User** action capability details:

Parameter	Description	Type	Scope Restricted (Yes/ No)	Required (Yes/ No)
Integration	Name of the third-party integration.	Integration	N/A	Yes
Rollback Mode	Time to rollback this action. Default is no-rollback.	N/A	N/A	No
User	Username to be disabled.	Username Email Address Keyword Unknown	Yes	Yes

Output:

Case Scope: N/A

Human Readable Output: N/A

3. **Enable User**
Action capability for enabling user account by removing sign-in block.

• Rollback: Yes

• Duplicate Control: No

The following table provides the **Enable User** action capability details:

Parameter	Description	**Type**	**Scope Restricted (Yes/ No)**	**Required (Yes/ No)**
Integration	Name of the third-party integration.	Integration	N/A	Yes
Rollback Mode	Time to rollback this action. Default is no-rollback.	N/A	N/A	No
User	Username to be enabled	Username Email Address Keyword Unknown	Yes	Yes

Output:

Case Scope: N/A

Human Readable Output: N/A

4. **Get User Details**
Enrichment capability for retrieving user details.

The following table provides the **Get User Details** enrichment capability details:

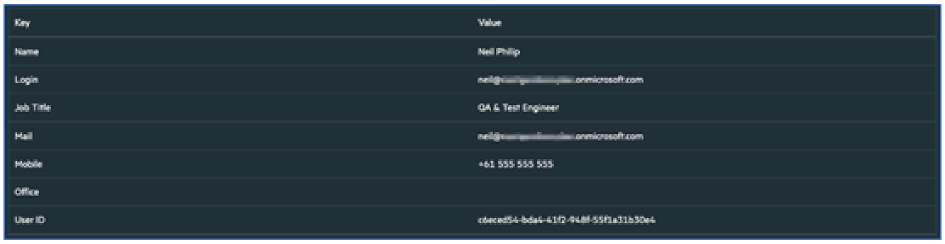
Parameter	**Description**	**Type**	**Scope Restricted (Yes/ No)**	**Required (Yes/ No)**
Integration	Name of the third-party integration.	Integration	N/A	Yes
User	User to be queried from Active Directory	Username Email Address Keyword Unknown	Yes	Yes

Output:

Case Scope:

Action	**Type**	**Category/ Value**
None	N/A	N/A

Human Readable Output:



Key	Value
Name	Neil Philip
Login	neil@[redacted].onmicrosoft.com
Job Title	QA & Test Engineer
Mail	neil@[redacted].onmicrosoft.com
Mobile	+61 555 555 555
Office	
User ID	c6eced54-bda4-41f2-948f-55f1a31b30e4

5. **Get User’s Manager**
   Enrichment capability for retrieving user’s manager.

   The following table provides the **Get User's Manager** enrichment capability details:

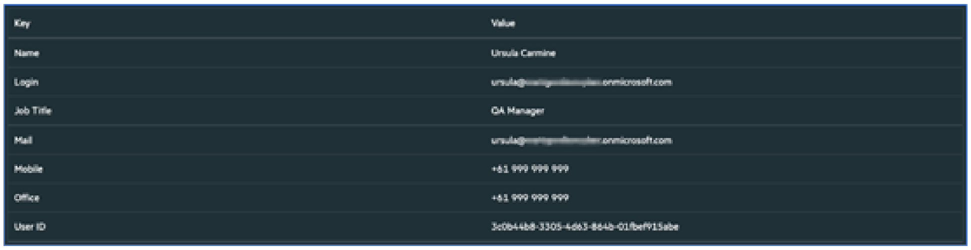
Parameter	Description	Type	Scope Restricted (Yes/ No)	Required (Yes/ No)
Integration	Name of the third-party integration.	Integration	N/A	Yes
User	User to be queried for manager’s information.	Username Email Address Keyword Unknown	Yes	Yes

Output:

Case Scope:

Action	Type	Category/ Value
None	N/A	N/A

Human Readable Output:



Key	Value
Name	Ursula Carmine
Login	ursula@[redacted].onmicrosoft.com
Job Title	QA Manager
Mail	ursula@[redacted].onmicrosoft.com
Mobile	+61 999 999 999
Office	+61 999 999 999
User ID	3c0b44b8-3305-4d63-864b-01fbef915abe

6. **List Groups**
   Enrichment capability for retrieving AD group list.

   The following table provides the **List Groups** enrichment capability details:

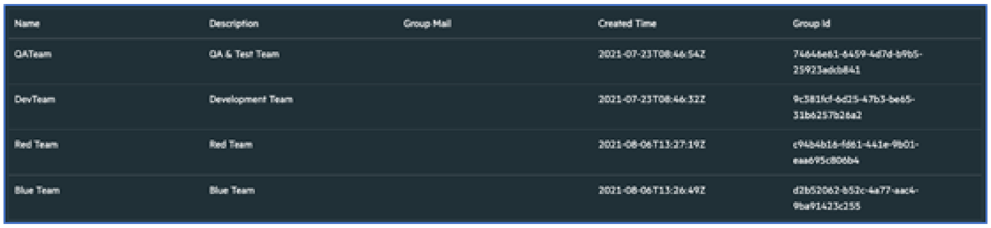
Parameter	Description	Type	Scope Restricted (Yes/ No)	Required (Yes/ No)
Integration	Name of the third-party integration.	Integration	N/A	Yes

Output:

Case Scope:

Action	Type	Category/ Value
None	N/A	N/A

Human Readable Output:



Name	Description	Group Mail	Created Time	Group Id
QATeam	QA & Test Team		2021-07-23T08:46:54Z	74646e61-6459-4d7d-b9b5-25923adcb841
DevTeam	Development Team		2021-07-23T08:46:32Z	9c381fcf-6d25-47b3-be65-31b6257b26a2
Red Team	Red Team		2021-08-06T13:27:19Z	c94b4b16-fd61-441e-9b01-eaa695c806b4
Blue Team	Blue Team		2021-08-06T13:26:49Z	d2b52062-b52c-4a77-aac4-9ba91423c255

7. **List User’s Groups**
   Enrichment capability for retrieving the list of groups for a specified username.

   The following table provides the **List User's Group** enrichment capability details:

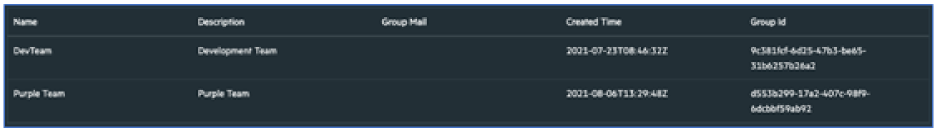
Parameter	Description	Type	Scope Restricted (Yes/ No)	Required (Yes/ No)
Integration	Name of the third-party integration.	Integration	N/A	Yes
User	User to be queried for group memberships.	Username Email Address Keyword Unknown	Yes	Yes

Output:

Case Scope:

Action	Type	Category/ Value
None	N/A	N/A

Human Readable Output:



Name	Description	Group Mail	Created Time	Group Id
DevTeam	Development Team		2021-07-23T08:46:32Z	9c381fcf-6d25-47b3-be65-31b6257b26a2
Purple Team	Purple Team		2021-08-06T13:29:48Z	d553b299-17a2-407c-98f9-6dcbbf59ab92

8. **List Users**
   Enrichment capability for retrieving list of users.

   The following table provides the **List Users** enrichment capability details:

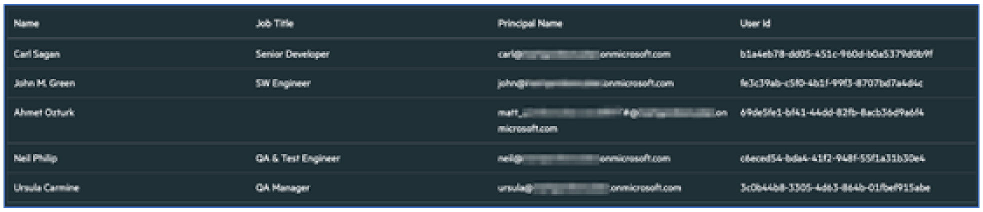
Parameter	Description	Type	Scope Restricted (Yes/ No)	Required (Yes/ No)
Integration	Name of the third-party integration.	Integration	N/A	Yes

Output:

Case Scope:

Action	Type	Category/ Value
None	N/A	N/A

Human Readable Output:



Name	Job Title	Principal Name	User Id
Carl Sagan	Senior Developer	carl@[redacted]onmicrosoft.com	b1a4eb78-dd05-451c-960d-b0a5379d0b9f
John M. Green	SW Engineer	john@[redacted]onmicrosoft.com	fe3c39ab-c5f0-4b1f-99f3-8707bd7a4d4c
Ahmet Ozturk		matt_[redacted]#@[redacted].onmicrosoft.com	69de5fe1-bf41-44dd-82fb-8acb36d9a6f4
Neil Philip	QA & Test Engineer	neil@[redacted]onmicrosoft.com	c6eced54-bda4-41f2-948f-55f1a31b30e4
Ursula Carmine	QA Manager	ursula@[redacted].onmicrosoft.com	3c0b44b8-3305-4d63-864b-01fbef915abe

9. **Remove User from Group**

   Action capability for removing a user from given AD group.

   • Rollback: Yes

   • Duplicate Control: No

   The following table provides the **Remove Users Group action** capability details:

Parameter	Description	Type	Scope Restricted (Yes/ No)	Required (Yes/ No)
Integration	Name of the third-party integration.	Integration	N/A	Yes
Rollback Mode	Time to rollback this action. Default is no-rollback.	N/A	N/A	No
User	Username to be removed from group	Username Email Address Keyword Unknown	Yes	Yes
Group ID	Target group ID	String	No	Yes

Output:

Case Scope: N/A

Human Readable Output: N/A

10. **Revoke Sessions**
Action capability to revoke all the refresh action of the user and session tokens issued to applications, by resetting the **signInSessionsValidFromDateTime** user property to the current date.

This forces the user to sign in to those applications again.

• Rollback: No

• Duplicate Control: Yes

The following table presents the **Revoke Sessions** enrichment capabilities details:

Parameter	Description	Type	Scope Restricted (Yes/ No)	Required (Yes/ No)
Integration	Name of the third-party integration.	Integration	N/A	Yes
Rollback Mode	Time to rollback this action. Default is no-rollback.	N/A	N/A	No
User	Username to be forced to revoke (terminate) sign-in sessions.	Username Email Address Keyword Unknown	Yes	Yes

Output:

Case Scope: N/A

Human Readable Output: N/A

11. **Create Group**
Action capability for creating a new group from a given AD.

• Rollback: No

• Duplicate Control: No

The following table provides the **Create Group** action capability details:

Parameter	Description	Type	Scope Restricted (Yes/ No)	Required (Yes/ No)
Integration	Name of third-party integration	Integration	N/A	Yes
Group Nickname	The mail alias for the group, unique for Microsoft 365 groups in the organization. Maximum length is 64 characters. This property can contain only characters in the ASCII character set 0 - 127 except the following: @ () \ [] " ; : . <> , SPACE.	String	No	Yes

Parameter	Description	Type	Scope Restricted (Yes/ No)	Required (Yes/ No)
Group Name	The name to display in the address book for the group. Maximum length: 256 characters	String	No	Yes
Description	A brief description about the group	String	No	Yes

Output:

Case Scope: N/A

Human Readable Output: N/A

12. **Delete Group**

Action capability to delete a group from a given AD.

• Rollback: No

• Duplicate Control: Yes

The following table provides the **Delete Group** action capability details:

Parameter	Description	Type	Scope Restricted (Yes/ No)	Required (Yes/ No)
Integration	Name of the third-party integration	Integration	N/A	Yes
Group Nickname	Nickname of the group to be queried from Active Directory	String	No	Yes

Output:

Case Scope:

N/A

Human Readable Output:

N/A

13. **List Delegated Permissions**

Enrichment capability to list delegated permissions.

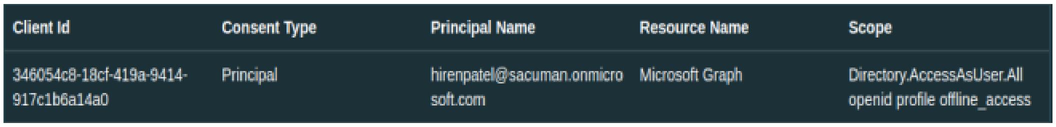
The following table represents the **List Delegated Permissions** enrichment capabilities details:

Parameter	Description	Type	Scope Restricted (Yes/ No)	Required (Yes/ No)
Integration	Name of the third-party integration	Integration	N/A	Yes
User	User to be queried from Active Directory	Username Email Address Keyword Unknown	Yes	Yes

Output:

Case Scope: N/A

Human Readable Output:



Client Id	Consent Type	Principal Name	Resource Name	Scope
346054c8-18cf-419a-9414-917c1b6a14a0	Principal	hirenpatel@sacuman.onmicrosoft.com	Microsoft Graph	Directory.AccessAsUser.All openid profile offline_access

Integration Guide for Microsoft Defender for CloudApps

Integration Overview

Microsoft Defender for Cloud Apps is a Cloud Access Security Broker (CASB) that supports various deployment modes including log collection, API connectors, and reverse proxy. It provides visibility, control over data travel, and sophisticated analytics to identify and combat cyber threats across all your Microsoft and third-party cloud services.

Integration Capabilities

- Close Alert as Benign
- Close Alert as False Positive
- Close Alert as True Positive
- Get Alert by ID
- Get Entity Details
- List Activities
- List Activities by IP

- List Activities by User
- List Activities by User Domain
- List Alerts
- List Alerts by IP
- List Alerts by Severity
- List Alerts by Status
- List Entities
- List IP Ranges
- Mark Alert as Read
- Mark Alert as Unread

Prerequisites

ArcSight SOAR connects to login.microsoft.com and *.portal.cloudappsecurity.com APIs through HTTPS. Access to these services is required.

Configuration

Configuring Microsoft Defender for CloudApps

1. Log in to portal.azure.com.
2. Navigate to **Azure Active Directory service** > **App Registrations** to create a New Registration with the following values:

Name	Supported Account Types	Redirected URL
ArcSight SOAR	Accounts in this organizational directory only (Default Directory only - Single tenant)	https://localhost/soar (web)

> If you have already defined an application for other integrations and want to use it, you can skip steps 1-4.

3. Click Add a certificate or secret to create a new Client Secret for the application you have registered and specify the following fields:

Description	Expiry
ArcSight SOAR	24 months

4. Note down the **Secret Key** along with **Client ID**.

5. Navigate to **API Permissions** and add the following permissions from Microsoft Cloud App Security:

Permission Type	Permission	Description
Application	Investigation.manage	Manage alerts, activities, policies, and other investigation-related information
Application	Investigation.read	View alerts, activities and policies

6. Grant admin consent for Default Directory.
7. Log in to **Defender for cloudsApps** portal and click on **?** icon. Under **About**, please note the portal URL value (for example, https://<tenant_id><tenant_region>.portal.cloudappsecurity.com”). This will be used as Integration address.

Configuring SOAR

1. Click **Configuration** > **Credential** > **Create Credential.**
2. Fill the **Crdential Editor** form with following parameter values:

Type	Internal credential
Name	Display name of credential set (i.e, Microsoft Defender for Cloud Apps Credentials)
Username	<Empty>
Password	Client ID of the application (i.e., ArcSight SOAR) you’ve registered on Azure Portal.
Private Key	Secret Key

3. Click **Configuration** > **Integrations** > **Create Integration**.
4. Fill the configuration form with the following parameter values:

Parameter	Value
Name	Display name of the Integration
Type	Microsoft Defender for CloudApps
Address	Address of the integration (https://<tenant_id><tenant_region>.portal.cloudappsecurity.com)

<table>
<tr><th>Parameter</th><th>Value</th></tr>
<tr><td>Configuration</td><td>Specify the following configuration parameter:
<table>
<tr><td>tenant.id</td><td>Tenant ID on Microsoft Azure
tenant.id = ff1f0000-c600-4500-0038-9d4000000000</td></tr>
<tr><td>proxy.id</td><td>ID of the Proxy integration if you access Cisco Firepower Management Center through a web proxy device.
For example:
proxy.id = 12345</td></tr>
<tr><td>cache.reusing.duration</td><td>Configure how far (in minutes) into the past this enrichment will look.
cache.reusing.duration=20</td></tr>
</table></td></tr>
<tr><td>Credential</td><td>Credential that has been defined for this integration under the Credentials menu.</td></tr>
<tr><td>Trust Invalid SSL Certificates</td><td>Select this if web server’s certificate is self-signed or is not recognized by browsers</td></tr>
<tr><td>Require Approval From</td><td>Select user(s) from list to ask her/his approval before executing actions on this integration</td></tr>
<tr><td>Notify</td><td>Select user(s) from the list to notify when SOAR performs an action on this integration</td></tr>
</table>

5. Click **Save** to save the integration definition.
6. Navigate to **Configuration** > **Customization Library** and edit **Microsoft Defender for Cloud Apps Advanced Action Script Default Template**.
7. Select the integration you have added to **Integrations** dropdown menu.
8. Click **Save** to complete the integration
9. Edit the integration under **Configuration** > **Integrations** and Click **Test**. A Integration Successfull message will be displayed if your credential and address are valid.

> Steps 6-8 are required only for Advanced Action Script Default Templates.

Capabilities

1. **Close Alert as Benign**

   Action capability for closing security alert as benign on Microsoft Defender for Cloud Apps portal.

   • Rollback: No

   • Duplicate Control: No

Input Parameter	Description	Type	Scope Restricted (Yes/ No)	Required (Yes/ No)
Alert ID	Alert ID on Defender for Cloud Apps portal.	String	No	Yes
Comment	Comment added to the alert on Defender for Cloud Apps portal	String	No	Yes
Reason	Closing reason added to the alert on Defender for Cloud Apps portal	String Actual severity is lower Confirmed with end user Triggered by test Other	No	Yes

Output:

Case Scope

N/A

Human Readable Output

N/A

2. **Close Alert as False Positive**

Action capability for closing security alert as false positive on Microsoft Defender for Cloud Apps portal

• Rollback: No

• Duplicate Control: No

Input Parameter	Description	Type	Scope Restricted (Yes/ No)	Required (Yes/ No)
Alert ID	Alert ID on Defender for Cloud Apps portal.	String	No	Yes
Comment	Comment added to the alert on Defender for Cloud Apps portal	String	No	Yes
Reason	Closing reason added to the alert on Defender for Cloud Apps portal	String Alert is not accurate Not of interest Too many similar alerts Other	No	Yes

Output:

Case Scope

N/A

Human Readable Output

N/A

3. **Close Alert as True Positive**

   Action capability for closing security alert as true positive on Microsoft Defender for Cloud Apps portal

   • Rollback: No

   • Duplicate Control: No

Input Parameter	Description	Type	Scope Restricted (Yes/ No)	Required (Yes/ No)
Alert ID	Alert ID on Defender for Cloud Apps portal.	String	No	Yes
Comment	Comment added to the alert on Defender for Cloud Apps portal	String	No	Yes

Output:

Case Scope

N/A

Human Readable Output

N/A

4. **Mark Alert as Read**

   Action capability for marking the security alert as read.

   • Rollback: No

   • Duplicate Control: No

Input Parameter	Description	Type	Scope Restricted (Yes/ No)	Required (Yes/ No)
Integration	Name of the third party integration	Integration	N/A	Yes
Alert ID	Alert ID on Defender for Cloud Apps portal	String	No	Yes

Output:

Case Scope

N/A

Human Readable Output

N/A

5. **Mark Alert as Unread**

   Action capability for marking the security as unread.

   • Rollback: No

- Duplicate Control: No

Input Parameter	Description	Type	Scope Restricted (Yes/ No)	Required (Yes/ No)
Integration	Name of the third party integration	Integration	N/A	Yes
Alert ID	Alert ID on Defender for Cloud Apps portal	String	No	Yes

Output:

Case Scope

N/A

Human Readable Output

N/A

6. **Get Alert by ID**

Enrichment capability for querying & retrieving security alert details by alert ID.

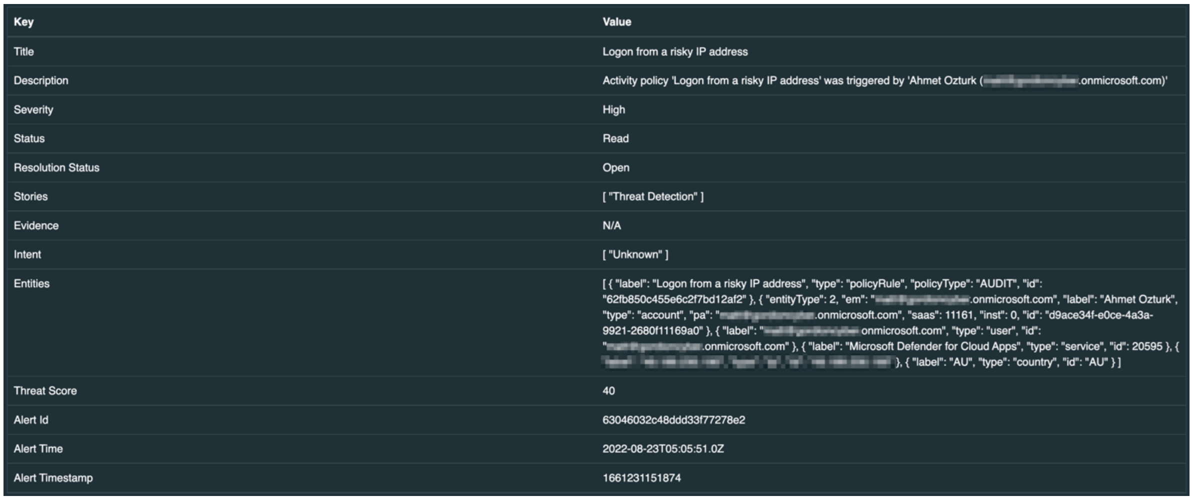
Input Parameter	Description	Type	Scope Restricted (Yes/ No)	Required (Yes/ No)
Integration	Name of the third party integration	Integration	N/A	Yes
Alert ID	Alert ID on Defender for Cloud Apps portal.	String	No	Yes

Output:

Case Scope

Action	Type	Category/Value
None	N/A	N/A

Human Readable Output



Key	Value
Title	Logon from a risky IP address
Description	Activity policy 'Logon from a risky IP address' was triggered by 'Ahmet Ozturk ([redacted].onmicrosoft.com)'
Severity	High
Status	Read
Resolution Status	Open
Stories	["Threat Detection"]
Evidence	N/A
Intent	["Unknown"]
Entities	[{ "label": "Logon from a risky IP address", "type": "policyRule", "policyType": "AUDIT", "id": "62fb850c455e6c2f7bd12af2" }, { "entityType": 2, "em": "[redacted].onmicrosoft.com", "label": "Ahmet Ozturk", "type": "account", "pa": "[redacted].onmicrosoft.com", "saas": 11161, "inst": 0, "id": "d9ace34f-e0ce-4a3a-9921-2680f11169a0" }, { "label": "[redacted]onmicrosoft.com", "type": "user", "id": "[redacted].onmicrosoft.com" }, { "label": "Microsoft Defender for Cloud Apps", "type": "service", "id": 20595 }, { [redacted] }, { "label": "AU", "type": "country", "id": "AU" }]
Threat Score	40
Alert Id	63046032c48ddd33f77278e2
Alert Time	2022-08-23T05:05:51.0Z
Alert Timestamp	1661231151874

7. **List IP Ranges**

Enrichment capability for getting list of IP Ranges defined. Query returns maximum 100 items.

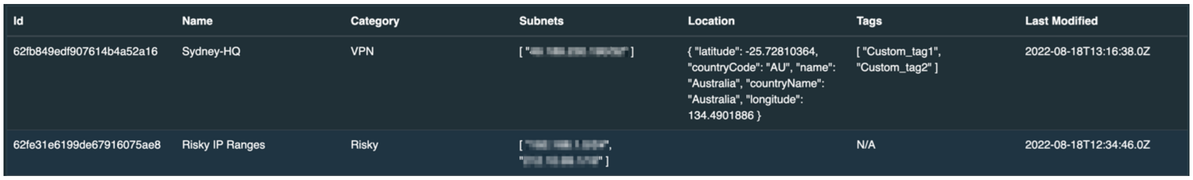
Input Parameter	Description	Type	Scope Restricted (Yes/ No)	Required (Yes/ No)
Integration	Name of the third party integration	Integration	N/A	Yes

Output:

Case Scope

Action	Type	Category/Value
None	N/A	N/A

Human Readable Output



Id	Name	Category	Subnets	Location	Tags	Last Modified
62fb849edf907614b4a52a16	Sydney-HQ	VPN	["[redacted]"]	{ "latitude": -25.72810364, "countryCode": "AU", "name": "Australia", "countryName": "Australia", "longitude": 134.4901886 }	["Custom_tag1", "Custom_tag2"]	2022-08-18T13:16:38.0Z
62fe31e6199de67916075ae8	Risky IP Ranges	Risky	["[redacted]", "[redacted]"]		N/A	2022-08-18T12:34:46.0Z

8. **Get Entity Details**

Enrichment capability for retrieving entity details.

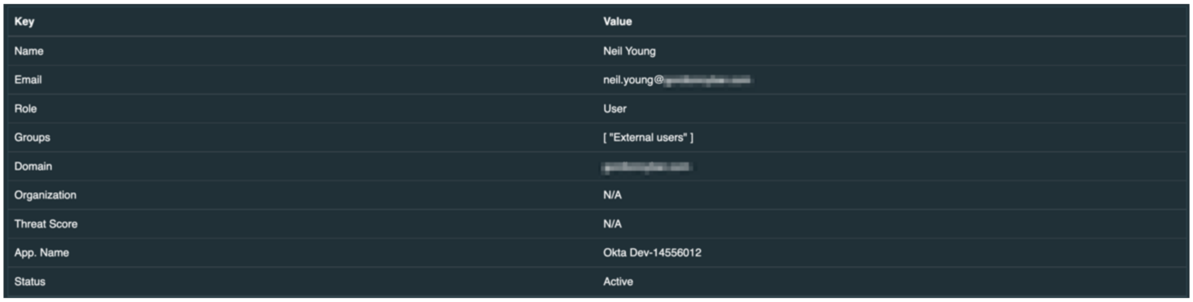
Input Parameter	Description	Type	Scope Restricted (Yes/ No)	Required (Yes/ No)
Integration	Name of the third party integration	Integration	N/A	Yes
Entity	Entity queried on Defender for Cloud Apps portal. It is represented as a dictionary with the entity ID, SaaS, and instance details. For example: {"id":"3fa9f28b-eb0e-463a-ba7b-8089fe9991e2","saas":11161,"inst":0}	Username Keyword Unknown	Yes	Yes

Output:

Case Scope

Action	Type	Category/Value
None	N/A	N/A

Human Readable Output



Key	Value
Name	Neil Young
Email	neil.young@[redacted]
Role	User
Groups	["External users"]
Domain	[redacted]
Organization	N/A
Threat Score	N/A
App. Name	Okta Dev-14556012
Status	Active

9. **List Activities**

Enrichment capability for getting list of activities in given time range. Results are ordered by create time from newest to oldest. Query returns maximum 100 items.

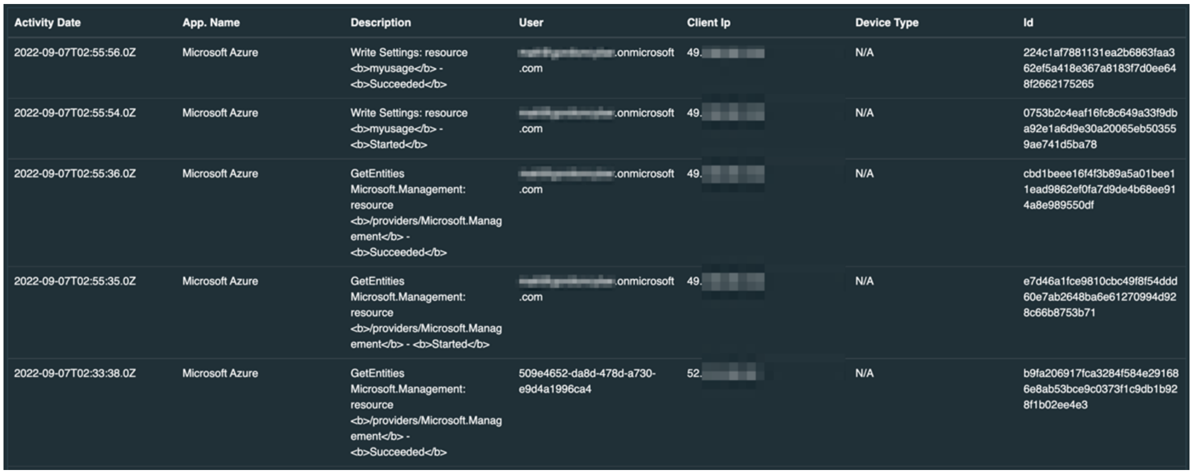
Input Parameter	Description	Type	Scope Restricted (Yes/ No)	Required (Yes/ No)
Integration	Name of the third party integration	Integration	N/A	Yes
Time Range	Time range filter for query	Time range. Relative: e.g. Last 5 days Absolute: e.g. 2022-08-14 15:10 – 2022-08-14 15:32	N/A	Yes

Output:

Case Scope

Action	Type	Category/Value
None	N/A	N/A

Human Readable Output:



Activity Date	App. Name	Description	User	Client Ip	Device Type	Id
2022-09-07T02:55:56.0Z	Microsoft Azure	Write Settings: resource <b>myusage</b> - <b>Succeeded</b>	[redacted].onmicrosoft.com	49.[redacted]	N/A	224c1af7881131ea2b6863faa362ef5a418e367a8183f7d0ee648f2662175265
2022-09-07T02:55:54.0Z	Microsoft Azure	Write Settings: resource <b>myusage</b> - <b>Started</b>	[redacted].onmicrosoft.com	49.[redacted]	N/A	0753b2c4eaf16fc8c649a33f9dba92e1a6d9e30a20065eb503559ae741d5ba78
2022-09-07T02:55:36.0Z	Microsoft Azure	GetEntities Microsoft.Management: resource <b>/providers/Microsoft.Management</b> - <b>Succeeded</b>	[redacted].onmicrosoft.com	49.[redacted]	N/A	cbd1beee16f4f3b89a5a01bee11ead9862ef0fa7d9de4b68ee914a8e989550df
2022-09-07T02:55:35.0Z	Microsoft Azure	GetEntities Microsoft.Management: resource <b>/providers/Microsoft.Management</b> - <b>Started</b>	[redacted].onmicrosoft.com	49.[redacted]	N/A	e7d46a1fce9810cbc49f8f54ddd60e7ab2648ba6e61270994d928c66b8753b71
2022-09-07T02:33:38.0Z	Microsoft Azure	GetEntities Microsoft.Management: resource <b>/providers/Microsoft.Management</b> - <b>Succeeded</b>	509e4652-da8d-478d-a730-e9d4a1996ca4	52.[redacted]	N/A	b9fa206917fca3284f584e291686e8ab53bce9c0373f1c9db1b928f1b02ee4e3

10. **List Activities by IP**

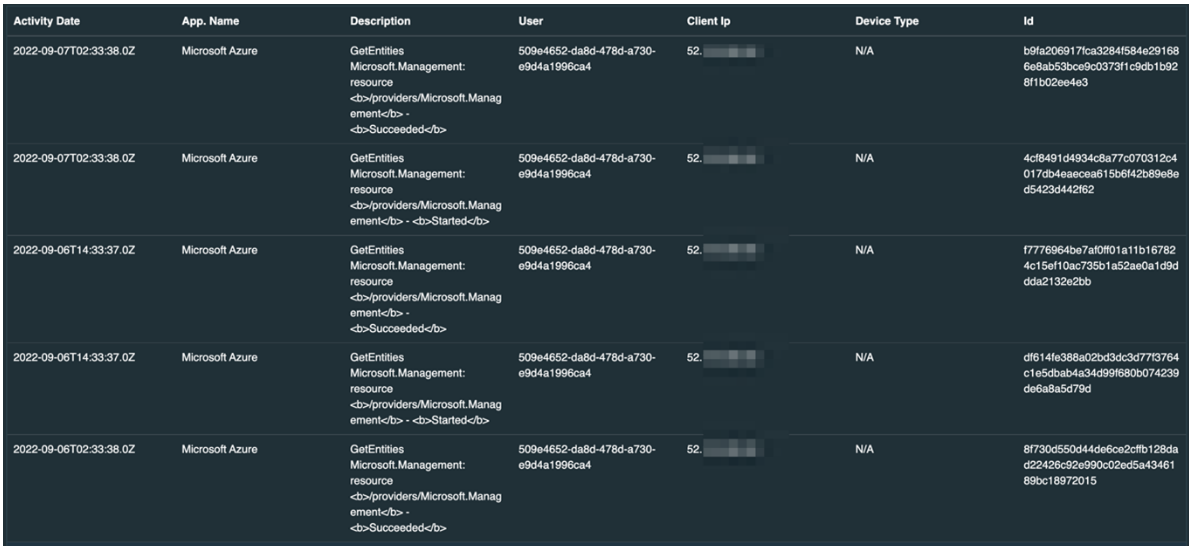
    Enrichment capability for getting list of activities by IP address in given time range. Results are ordered by create time from newest to oldest. Query returns maximum 100 items.

Input Parameter	Description	Type	Scope Restricted (Yes/ No)	Required (Yes/ No)
Integration	Name of the third party integration	Integration	N/A	Yes
IP Address	Client IP address to filter activities	Network Address	Yes	Yes
Time Range	Time range filter for query	Time range. Relative: e.g. Last 5 days Absolute: e.g. 2022-08-14 15:10 – 2022-08-14 15:32	N/A	Yes

Output:

Action	Type	Category/Value
None	N/A	N/A

Human Readable Output:



Activity Date	App. Name	Description	User	Client Ip	Device Type	Id
2022-09-07T02:33:38.0Z	Microsoft Azure	GetEntities Microsoft.Management: resource <b>/providers/Microsoft.Management</b> - <b>Succeeded</b>	509e4652-da8d-478d-a730-e9d4a1996ca4	52.[redacted]	N/A	b9fa206917fca3284f584e291686e8ab53bce9c0373f1c9db1b928f1b02ee4e3
2022-09-07T02:33:38.0Z	Microsoft Azure	GetEntities Microsoft.Management: resource <b>/providers/Microsoft.Management</b> - <b>Started</b>	509e4652-da8d-478d-a730-e9d4a1996ca4	52.[redacted]	N/A	4cf8491d4934c8a77c070312c4017db4eaecea615b6f42b89e8ed5423d442f62
2022-09-06T14:33:37.0Z	Microsoft Azure	GetEntities Microsoft.Management: resource <b>/providers/Microsoft.Management</b> - <b>Succeeded</b>	509e4652-da8d-478d-a730-e9d4a1996ca4	52.[redacted]	N/A	f7776964be7af0ff01a11b167824c15ef10ac735b1a52ae0a1d9ddda2132e2bb
2022-09-06T14:33:37.0Z	Microsoft Azure	GetEntities Microsoft.Management: resource <b>/providers/Microsoft.Management</b> - <b>Started</b>	509e4652-da8d-478d-a730-e9d4a1996ca4	52.[redacted]	N/A	df614fe388a02bd3dc3d77f3764c1e5dbab4a34d99f680b074239de6a8a5d79d
2022-09-06T02:33:38.0Z	Microsoft Azure	GetEntities Microsoft.Management: resource <b>/providers/Microsoft.Management</b> - <b>Succeeded</b>	509e4652-da8d-478d-a730-e9d4a1996ca4	52.[redacted]	N/A	8f730d550d44de6ce2cffb128dad22426c92e990c02ed5a4346189bc18972015

11. **List Activities by User**

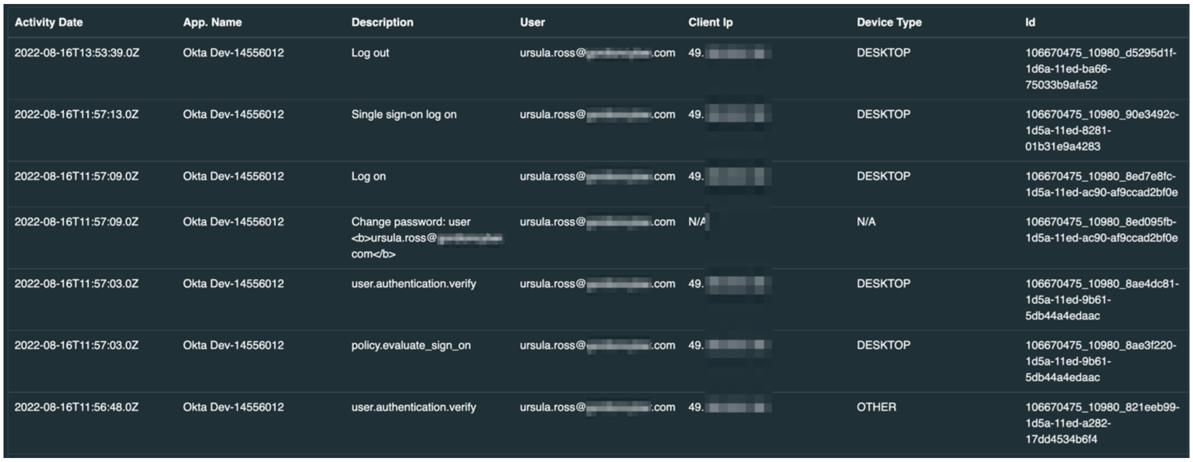
    Enrichment capability for getting list of activities for a username in given time range. Results are ordered by create time from newest to oldest. Query returns maximum 100 items.

Input Parameter	Description	Type	Scope Restricted (Yes/ No)	Required (Yes/ No)
Integration	Name of the third party integration	Integration	N/A	Yes
Username	Username to filter activities.	Username Email Address Keyword Unknown	Yes	Yes
Time Range	Time range filter for query	Time range. Relative: e.g. Last 5 days Absolute: e.g. 2022-08-14 15:10 – 2022-08-14 15:32	N/A	Yes

Output:

Action	Type	Category/Value
None	N/A	N/A

Human Readable Output



Activity Date	App. Name	Description	User	Client Ip	Device Type	Id
2022-08-16T13:53:39.0Z	Okta Dev-14556012	Log out	ursula.ross@[redacted].com	49.[redacted]	DESKTOP	106670475_10980_d5295d1f-1d6a-11ed-ba66-75033b9afa52
2022-08-16T11:57:13.0Z	Okta Dev-14556012	Single sign-on log on	ursula.ross@[redacted].com	49.[redacted]	DESKTOP	106670475_10980_90e3492c-1d5a-11ed-8281-01b31e9a4283
2022-08-16T11:57:09.0Z	Okta Dev-14556012	Log on	ursula.ross@[redacted].com	49.[redacted]	DESKTOP	106670475_10980_8ed7e8fc-1d5a-11ed-ac90-af9ccad2bf0e
2022-08-16T11:57:09.0Z	Okta Dev-14556012	Change password: user <b>ursula.ross@[redacted] com</b>	ursula.ross@[redacted].com	N/A[redacted]	N/A	106670475_10980_8ed095fb-1d5a-11ed-ac90-af9ccad2bf0e
2022-08-16T11:57:03.0Z	Okta Dev-14556012	user.authentication.verify	ursula.ross@[redacted].com	49.[redacted]	DESKTOP	106670475_10980_8ae4dc81-1d5a-11ed-9b61-5db44a4edaac
2022-08-16T11:57:03.0Z	Okta Dev-14556012	policy.evaluate_sign_on	ursula.ross@[redacted].com	49.[redacted]	DESKTOP	106670475_10980_8ae3f220-1d5a-11ed-9b61-5db44a4edaac
2022-08-16T11:56:48.0Z	Okta Dev-14556012	user.authentication.verify	ursula.ross@[redacted].com	49.[redacted]	OTHER	106670475_10980_821eeb99-1d5a-11ed-a282-17dd4534b6f4

12. **List Activities by User Domain**

Enrichment capability for getting list of activities for a user domain in given time range. Results are ordered by create time from newest to oldest. Query returns maximum 100 items.

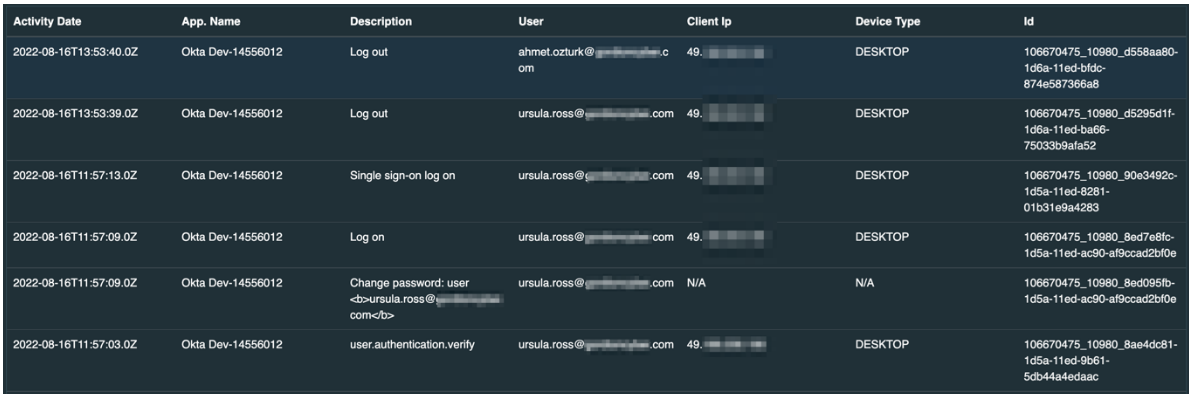
Input Parameter	Description	Type	Scope Restricted (Yes/ No)	Required (Yes/ No)
Integration	Name of the third party integration	Integration	N/A	Yes
User Domaiin	User domain to filter activities.	Host Keyword Unknown	Yes	Yes
Time Range	Time range filter for query	Time range. Relative: e.g. Last 5 days Absolute: e.g. 2022-08-14 15:10 – 2022-08-14 15:32	N/A	Yes

Output:

Case Scope

Action	Type	Category/Value
None	N/A	N/A

Human Readable Output



Activity Date	App. Name	Description	User	Client Ip	Device Type	Id
2022-08-16T13:53:40.0Z	Okta Dev-14556012	Log out	ahmet.ozturk@[redacted].com	49.[redacted]	DESKTOP	106670475_10980_d558aa80-1d6a-11ed-bfdc-874e587366a8
2022-08-16T13:53:39.0Z	Okta Dev-14556012	Log out	ursula.ross@[redacted].com	49.[redacted]	DESKTOP	106670475_10980_d5295d1f-1d6a-11ed-ba66-75033b9afa52
2022-08-16T11:57:13.0Z	Okta Dev-14556012	Single sign-on log on	ursula.ross@[redacted].com	49.[redacted]	DESKTOP	106670475_10980_90e3492c-1d5a-11ed-8281-01b31e9a4283
2022-08-16T11:57:09.0Z	Okta Dev-14556012	Log on	ursula.ross@[redacted] com	49.[redacted]	DESKTOP	106670475_10980_8ed7e8fc-1d5a-11ed-ac90-af9ccad2bf0e
2022-08-16T11:57:09.0Z	Okta Dev-14556012	Change password: user <b>ursula.ross@[redacted] com</b>	ursula.ross@[redacted].com	N/A	N/A	106670475_10980_8ed095fb-1d5a-11ed-ac90-af9ccad2bf0e
2022-08-16T11:57:03.0Z	Okta Dev-14556012	user.authentication.verify	ursula.ross@[redacted].com	49.[redacted]	DESKTOP	106670475_10980_8ae4dc81-1d5a-11ed-9b61-5db44a4edaac

13. **List Alerts**
    Enrichment capability for getting list of security alerts created in given time range. Results are ordered by create time from newest to oldest. Query returns maximum 100 items.

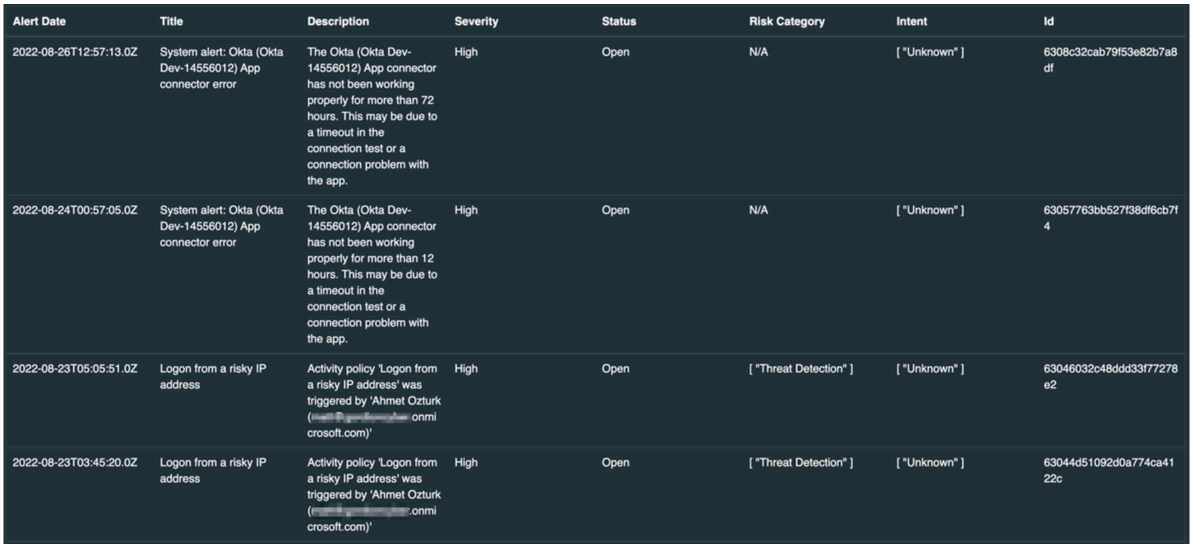
Input Parameter	Description	Type	Scope Restricted (Yes/ No)	Required (Yes/ No)
Integration	Name of the third party integration	Integration	N/A	Yes
Time Range	Time range filter for query	Time range. Relative: e.g. Last 5 days Absolute: e.g. 2022-08-14 15:10 – 2022-08-14 15:32	N/A	Yes

Output:

Case Scope

Action	Type	Category/Value
None	N/A	N/A

Human Readable output



Alert Date	Title	Description	Severity	Status	Risk Category	Intent	Id
2022-08-26T12:57:13.0Z	System alert: Okta (Okta Dev-14556012) App connector error	The Okta (Okta Dev-14556012) App connector has not been working properly for more than 72 hours. This may be due to a timeout in the connection test or a connection problem with the app.	High	Open	N/A	["Unknown"]	6308c32cab79f53e82b7a8df
2022-08-24T00:57:05.0Z	System alert: Okta (Okta Dev-14556012) App connector error	The Okta (Okta Dev-14556012) App connector has not been working properly for more than 12 hours. This may be due to a timeout in the connection test or a connection problem with the app.	High	Open	N/A	["Unknown"]	63057763bb527f38df6cb7f4
2022-08-23T05:05:51.0Z	Logon from a risky IP address	Activity policy 'Logon from a risky IP address' was triggered by 'Ahmet Ozturk ([redacted]onmicrosoft.com)'	High	Open	["Threat Detection"]	["Unknown"]	63046032c48ddd33f77278e2
2022-08-23T03:45:20.0Z	Logon from a risky IP address	Activity policy 'Logon from a risky IP address' was triggered by 'Ahmet Ozturk ([redacted].onmicrosoft.com)'	High	Open	["Threat Detection"]	["Unknown"]	63044d51092d0a774ca4122c

14. **List Alerts by IP**

Enrichment capability for getting list of security alerts with the specified IP field, created in given time range. Results are ordered by create time from newest to oldest. Query returns maximum 100 items.

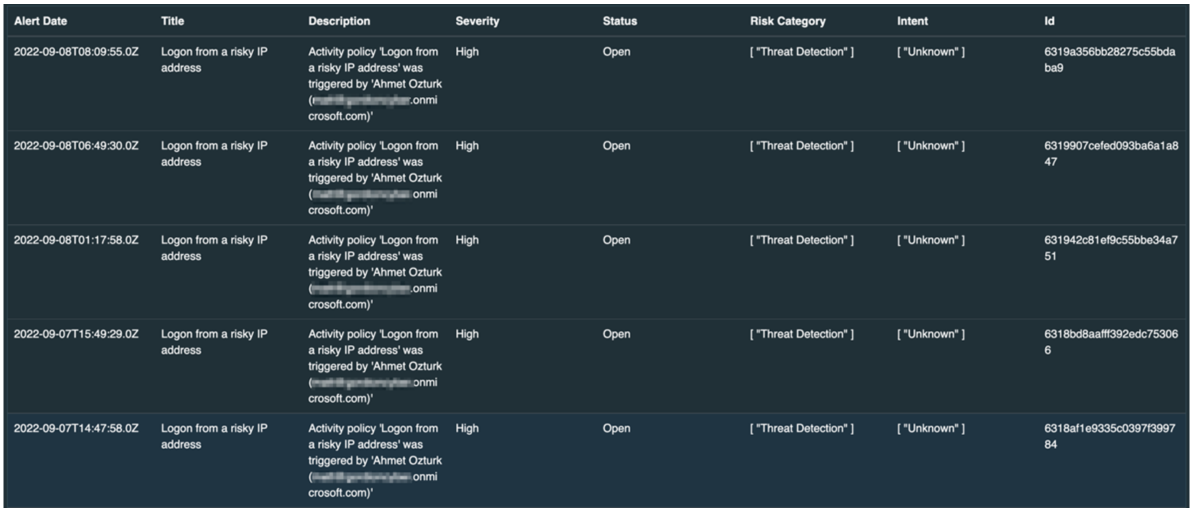
Input Parameter	Description	Type	Scope Restricted (Yes/ No)	Required (Yes/ No)
Integration	Name of the third party integration	Integration	N/A	Yes
IP Address	IP Address to filter alerts	Network Address	Yes	Yes
Time Range	Time range filter for query	Time range. Relative: e.g. Last 5 days Absolute: e.g. 2022-08-14 15:10 – 2022-08-14 15:32	N/A	Yes

Output:

Case Scope

Action	Type	Category/Value
None	N/A	N/A

Human Readable output



Alert Date	Title	Description	Severity	Status	Risk Category	Intent	Id
2022-09-08T08:09:55.0Z	Logon from a risky IP address	Activity policy 'Logon from a risky IP address' was triggered by 'Ahmet Ozturk ([redacted].onmicrosoft.com)'	High	Open	["Threat Detection"]	["Unknown"]	6319a356bb28275c55bdaba9
2022-09-08T06:49:30.0Z	Logon from a risky IP address	Activity policy 'Logon from a risky IP address' was triggered by 'Ahmet Ozturk ([redacted]onmicrosoft.com)'	High	Open	["Threat Detection"]	["Unknown"]	6319907cefed093ba6a1a847
2022-09-08T01:17:58.0Z	Logon from a risky IP address	Activity policy 'Logon from a risky IP address' was triggered by 'Ahmet Ozturk ([redacted].onmicrosoft.com)'	High	Open	["Threat Detection"]	["Unknown"]	631942c81ef9c55bbe34a751
2022-09-07T15:49:29.0Z	Logon from a risky IP address	Activity policy 'Logon from a risky IP address' was triggered by 'Ahmet Ozturk ([redacted]onmicrosoft.com)'	High	Open	["Threat Detection"]	["Unknown"]	6318bd8aafff392edc753066
2022-09-07T14:47:58.0Z	Logon from a risky IP address	Activity policy 'Logon from a risky IP address' was triggered by 'Ahmet Ozturk ([redacted]onmicrosoft.com)'	High	Open	["Threat Detection"]	["Unknown"]	6318af1e9335c0397f399784

15. **List Alerts by Severity**

    Enrichment capability for getting list of security alerts with the specified severity value, created in given time range. Results are ordered by create time from newest to oldest. Query returns maximum 100 items.

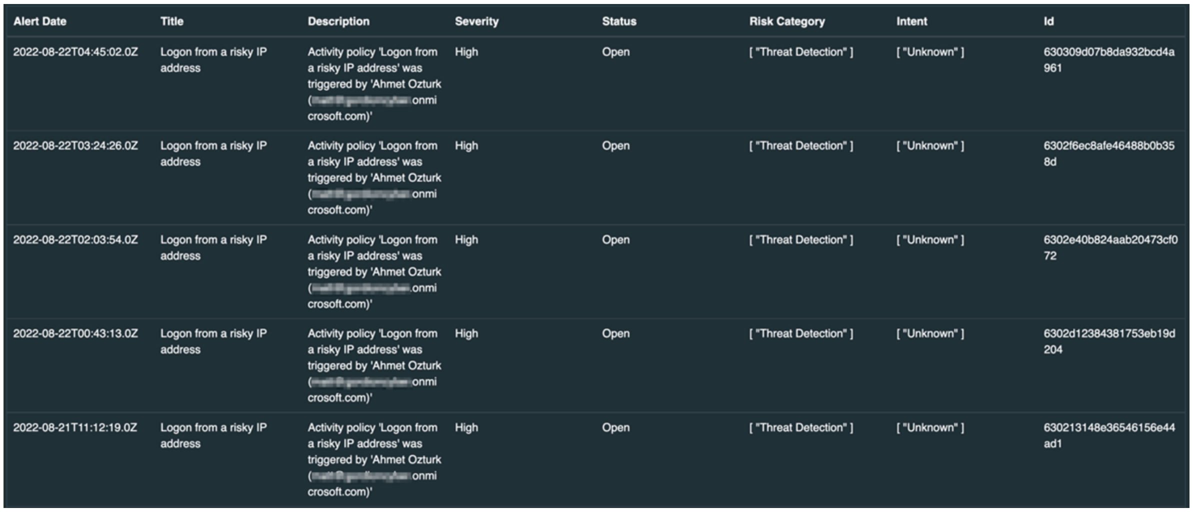
Input Parameter	Description	Type	Scope Restricted (Yes/ No)	Required (Yes/ No)
Integration	Name of the third party integration	Integration	N/A	Yes
Alert Severity	Alert severity set by vendor/provider	String High Medium Low Informational	No	Yes
Time Range	Time range filter for query	Time range. Relative: e.g. Last 5 days Absolute: e.g. 2022-08-14 15:10 – 2022-08-14 15:32	N/A	Yes

Output:

Case Scope

Action	Type	Category/Value
None	N/A	N/A

Human Readable Output



Alert Date	Title	Description	Severity	Status	Risk Category	Intent	Id
2022-08-22T04:45:02.0Z	Logon from a risky IP address	Activity policy 'Logon from a risky IP address' was triggered by 'Ahmet Ozturk ([redacted]onmicrosoft.com)'	High	Open	["Threat Detection"]	["Unknown"]	630309d07b8da932bcd4a961
2022-08-22T03:24:26.0Z	Logon from a risky IP address	Activity policy 'Logon from a risky IP address' was triggered by 'Ahmet Ozturk ([redacted]onmicrosoft.com)'	High	Open	["Threat Detection"]	["Unknown"]	6302f6ec8afe46488b0b358d
2022-08-22T02:03:54.0Z	Logon from a risky IP address	Activity policy 'Logon from a risky IP address' was triggered by 'Ahmet Ozturk ([redacted].onmicrosoft.com)'	High	Open	["Threat Detection"]	["Unknown"]	6302e40b824aab20473cf072
2022-08-22T00:43:13.0Z	Logon from a risky IP address	Activity policy 'Logon from a risky IP address' was triggered by 'Ahmet Ozturk ([redacted]onmicrosoft.com)'	High	Open	["Threat Detection"]	["Unknown"]	6302d12384381753eb19d204
2022-08-21T11:12:19.0Z	Logon from a risky IP address	Activity policy 'Logon from a risky IP address' was triggered by 'Ahmet Ozturk ([redacted]onmicrosoft.com)'	High	Open	["Threat Detection"]	["Unknown"]	630213148e36546156e44ad1

16. **List Alerts by Status**

    Enrichment capability for getting list of security alerts with the specified status value, created in given time range. Results are ordered by create time from newest to oldest. Query returns maximum 100 items.

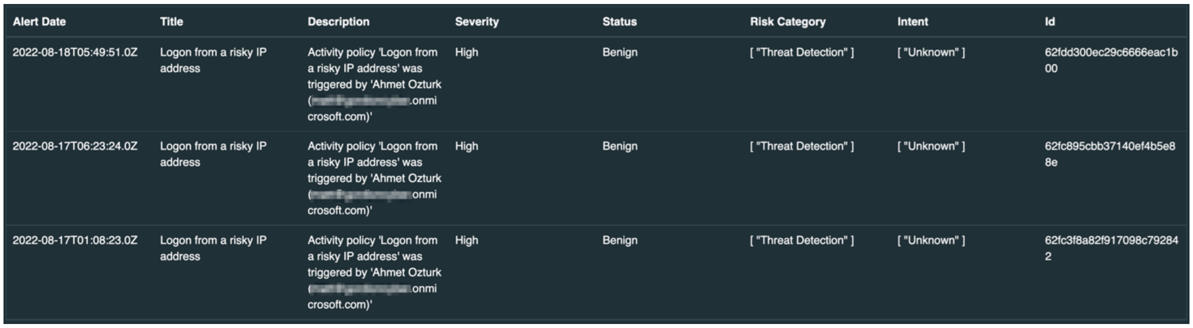
Input Parameter	Description	Type	Scope Restricted (Yes/ No)	Required (Yes/ No)
Integration	Name of the third party integration	Integration	N/A	Yes
Alert Status	Alert resolution status	String Benign Dismissed False Positive Open Resolved True Positive	No	Yes
Time Range	Time range filter for query	Time range. Relative: e.g. Last 5 days Absolute: e.g. 2022-08-14 15:10 – 2022-08-14 15:32	N/A	Yes

Output:

Case Scope

Action	Type	Category/Value
None	N/A	N/A

Human Readable Output



Alert Date	Title	Description	Severity	Status	Risk Category	Intent	Id
2022-08-18T05:49:51.0Z	Logon from a risky IP address	Activity policy 'Logon from a risky IP address' was triggered by 'Ahmet Ozturk ([redacted].onmicrosoft.com)'	High	Benign	["Threat Detection"]	["Unknown"]	62fdd300ec29c6666eac1b00
2022-08-17T06:23:24.0Z	Logon from a risky IP address	Activity policy 'Logon from a risky IP address' was triggered by 'Ahmet Ozturk ([redacted]onmicrosoft.com)'	High	Benign	["Threat Detection"]	["Unknown"]	62fc895cbb37140ef4b5e88e
2022-08-17T01:08:23.0Z	Logon from a risky IP address	Activity policy 'Logon from a risky IP address' was triggered by 'Ahmet Ozturk ([redacted].onmicrosoft.com)'	High	Benign	["Threat Detection"]	["Unknown"]	62fc3f8a82f917098c792842

17. **List Entities**

Enrichment capability for getting list of entities. Query returns maximum 100 items.

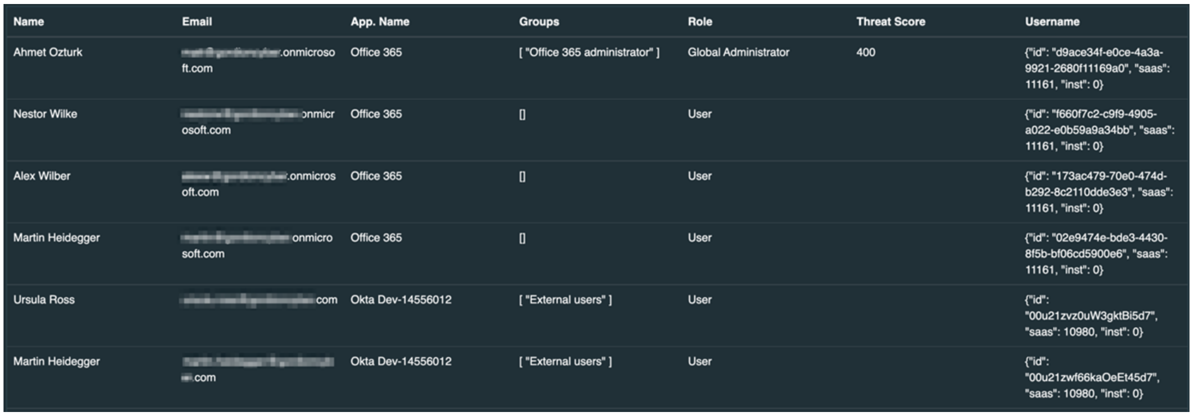
Input Parameter	Description	Type	Scope Restricted (Yes/ No)	Required (Yes/ No)
Integration	Name of the third party integration	Integration	N/A	Yes

Output:

Case Scope

Action	Type	Category/Value
None	N/A	N/A

Human Readable Output



Name	Email	App. Name	Groups	Role	Threat Score	Username
Ahmet Ozturk	[redacted].onmicrosoft.com	Office 365	["Office 365 administrator"]	Global Administrator	400	{"id": "d9ace34f-e0ce-4a3a-9921-2680f11169a0", "saas": 11161, "inst": 0}
Nestor Wilke	[redacted]onmicrosoft.com	Office 365	[]	User		{"id": "f660f7c2-c9f9-4905-a022-e0b59a9a34bb", "saas": 11161, "inst": 0}
Alex Wilber	[redacted].onmicrosoft.com	Office 365	[]	User		{"id": "173ac479-70e0-474d-b292-8c2110dde3e3", "saas": 11161, "inst": 0}
Martin Heidegger	[redacted]onmicrosoft.com	Office 365	[]	User		{"id": "02e9474e-bde3-4430-8f5b-bf06cd5900e6", "saas": 11161, "inst": 0}
Ursula Ross	[redacted]com	Okta Dev-14556012	["External users"]	User		{"id": "00u21zvz0uW3gktBi5d7", "saas": 10980, "inst": 0}
Martin Heidegger	[redacted].com	Okta Dev-14556012	["External users"]	User		{"id": "00u21zwf66kaOeEt45d7", "saas": 10980, "inst": 0}

Integration Guide for Microsoft Defender Endpoint

Integration Overview

Microsoft Defender for Endpoint is an enterprise endpoint security platform designed to help enterprise networks prevent , detect, investigate, and respond to advanced threats.

Integration Capabilities

ArcSight SOAR has the following integration capabilities with Micro Focus ArcSight Intelligence:

- Get Alert by ID
- Get Domain Statistics
- Get File Information
- Get File Related Machines
- Get File Statistics

- Get Installed Software
- Get IP Statistics
- Get Logon Users
- Get Machine Details
- List Alerts
- List Alerts by Severity
- List Alerts by Status
- List File Related Alerts
- List Machines
- List User Related Alerts
- Add Machine Tag
- Assign Alert
- Isolate Machine
- Remove Machine Tag
- Restrict Code Execution
- Stop & Quarantine File
- Integrate Machine
- Unrestrict Code Execution
- Update Alert Classification
- Update Alert Comment
- Update Alert Determination
- Update Alert Status

Prerequisites

ArcSight SOAR connects to Microsoft Defender API using HTTPS. Access to Microsoft portal login.microsoft.com is required.

Configuring Microsoft Defender

1. Log in to https://portal.azure.com and Navigate to **Azure Active Directory** service.

   > If an application is defined for other integrations, skip steps 1-3 to use it.

2. Click **App Registration** > **New Registration**. Complete the ArcSight SOAR application registration by specifying the following parameter values in the Register an application

form:

Name	Supported Account Types	Redirected URL
ArcSight SOAR	Accounts in this organizational directory only (Default Directory for single tenant only)	https://localhost/soar

3. Select your application and Click **Add a certificate or secret** > **New Client Secret**. Add a description and specify the expiry period as 24 months.

   Note down the Secret Key value along with Client ID and tenant ID.

4. Click **API Permissions** > **Add a Permission** and select **Windows Defender** API. Add the following permissions from WindowsDefender ATP:

Permission Type	Permission	Description
Application	Alert.Read.All, File.Read.All, Machine.Isolate, Machine.Read.All, Machine.RestrictEx, User.Read.All, Alert.ReadWrite.All, Ip.Read.All,Url.Read.All,Machine.StopAndQuarantine, Machine.Scan	Read and update your organisation's security events.

5. Click **Yes** to grant admin consent for Default Directory.

Configuring SOAR

1. Click **Configuration** > **Credential** > **Create Credential**.
2. Specify the following parameter values in the **Configuration Form**:

Parameter	Value
Name	Display name of the credential set
Type	Internal credential
Username	Empty
Password	client_id of the application created above for SOAR on Azure portal.
Private Key	Secret key of the application created above for SOAR on Azure portal.

3. Click **Configuration** > **Integrations** > **Create Integration**.
4. Specify the following parameter values in the **Configuration Form**:

Parameter	Value
Name	Display name of the integration
Type	Microsoft Defender for Endpoint
Address	Address of the integration ((the format should be https://api.securitycenter.microsoft.com)

Parameter	Value
Configuration	Specify the following configuration parameters: proxy.id — ID of the Proxy integration if you access Microsoft Azure through a web proxy device. For example: proxy.id = 12345 tenant.id — Global Unique Identifier (GUID) for your Microsoft 365 Tenant. cache.reusing.duration — Configure how far (in minutes) into the past this enrichment will look.
Credential	Credential that has been defined for this integration under the Credentials menu
Notify	Select user(s) from the list to notify when SOAR performs an action on this integration

5. Click Save.
6. Navigate to **Configuration** > **Customization Library** and edit **Microsoft Defender for Endpoint Advanced Action Script Default Template**
7. Select the integration that you have created in step 4 from the **Integrations** drop-down menu and click **Save**.
8. Click **Test**, and **Integration Successful** message is displayed if the credential and address are valid.

Capabilities

1. **Get Alert by ID**
   Enrichment capability for getting details of an alert by Alert ID.

Input Parameter	Description	Type	Scope Restricted (Yes/No)	Required (Yes/No)
Integration	Name of the third party integration	Integration	N/A	Yes
Alert ID	Alert ID that has been created by the User.	String	N/A	Yes

Output:

Case Scope

N/A

Human Readable Output

N/A

2. **Get Domain Statistics**
   Enrichment capability for retrieving statistics on a domain.

Input Parameter	Description	Type	Scope Restricted (Yes/No)	Required (Yes/No)
Integration	Name of the third party integration	Integration	N/A	Yes
Domain	Host that you have created from case scope	String	Yes	Yes

Output:

Case Scope

N/A

Human Readable Output

N/A

3. **Get File Information**

   Enrichment Capability for getting file details

Input Parameter	Description	Type	Scope Restricted (Yes/No)	Required (Yes/No)
Integration	Name of the third party integration	Integration	N/A	Yes
File Hash	SHA1 & SHA256 file hash from case scope	String	Yes	Yes

Output:

Case Scope

Human Readable Output

4. **Get File Related Machines**

   Enrichment capability for Retrieving a collection of machines related to a given file hash

Input Parameter	Description	Type	Scope Restricted (Yes/No)	Required (Yes/No)
Integration	Name of the third party integration	Integration	N/A	Yes
File Hash	SHA1 file hash from case scope	String	Yes	Yes

Output:

Case Scope

Human Readable Output

N/A

5. **Get File Statistics**

   Enrichment capability for Retrieving the statistics for given file.

Input Parameter	Description	Type	Scope Restricted (Yes/No)	Required (Yes/No)
Integration	Name of the third party integration	Integration	N/A	Yes
File Hash	SHA1 file hash from case scope	String	Yes	Yes

Output:

Case Scope

Human Readable Output

N/A

6. **Get Installed Software**

   Enrichment capability for Retrieving a collection of installed software related to a given device ID.

Input Parameter	Description	Type	Scope Restricted (Yes/No)	Required (Yes/No)
Integration	Name of the third party integration	Integration	N/A	Yes
IP Address	Network Address from case scope	String	Yes	Yes

Output:

Case Scope

Human Readable Output

N/A

7. **Get IP Statistics**

   Enrichment capability for Retrieving the statistics for given IP.

Input Parameter	Description	Type	Scope Restricted (Yes/No)	Required (Yes/No)
Integration	Name of the third party integration	Integration	N/A	Yes
IP Address	Network Address from case scope	String	Yes	Yes

Output:

Case Scope

Human Readable Output

N/A

8. **Get Logon Users**

   Enrichment capability for Retrieving collection of logged on users on a specific device

Input Parameter	Description	Type	Scope Restricted (Yes/No)	Required (Yes/No)
Integration	Name of the third party integration	Integration	N/A	Yes
IP Address	Network Address from case scope	String	Yes	Yes

Output:

Case Scope

Human Readable Output

N/A

9. **Get Machine Details**
   Enrichment capability for retrieving machine details for given IP address.

Input Parameter	Description	Type	Scope Restricted (Yes/No)	Required (Yes/No)
Integration	Name of the third party integration	Integration	N/A	Yes
IP Address	Network Address from case scope	String	Yes	Yes

Output:

Case Scope

Human Readable Output

N/A

10. **List Alerts**
    Enrichment capability for retrieving a collection of alerts in a given time-range.

Input Parameter	Description	Type	Scope Restricted (Yes/No)	Required (Yes/No)
Integration	Name of the third party integration	Integration	N/A	Yes
Time range	Time range	String	No	Yes

Output:

Case Scope

N/A

Human Readable Output

N/A

11. **List Alerts by Severity**
    Enrichment Capability for retrieving a collection of alerts for a given severity value in a given time-range.

Input Parameter	Description	Type	Scope Restricted (Yes/No)	Required (Yes/No)
Integration	Name of the third party integration	Integration	N/A	Yes
Time range	Time range	String	No	Yes
Severity	Severity of the alert	String	No	Yes

Output:

Case Scope

N/A

Human Readable Output

N/A

12. **List Alerts by Status**
    Enrichment Capability for retrieving a collection of alerts for a given status value in a given time-range.

Input Parameter	Description	Type	Scope Restricted (Yes/No)	Required (Yes/No)
Integration	Name of the third party integration	Integration	N/A	Yes
Time range	Time range	String	No	Yes
Alert Status	Alert Status	String	No	Yes

Output:

Case Scope

N/A

Human Readable Output

N/A

13. **List File Related Alerts**
Enrichment capability for retrieving a collection of alerts related to a given file hash.

Input Parameter	Description	Type	Scope Restricted (Yes/No)	Required (Yes/No)
Integration	Name of the third party integration	Integration	N/A	Yes
Domain	Domain host from case scope	String	Yes	Yes

Output:

Case Scope

Human Readable Output

N/A

14. **List Machines**
Enrichment capability for retrieving a list of machines that have communicated with Microsoft

Defender for Endpoint cloud.

Input Parameter	Description	Type	Scope Restricted (Yes/No)	Required (Yes/No)
Integration	Name of the third party integration	Integration	N/A	Yes

Output:

Case Scope

N/A

Human Readable Output

N/A

15. **List User Related Alerts**
Enrichment capability for retrieving a collection of alerts related to a given username.

Input Parameter	Description	Type	Scope Restricted (Yes/No)	Required (Yes/No)
Integration	Name of the third party integration	Integration	N/A	Yes
Username	Username from case scope	String	Yes	Yes

Output:

Case Scope

Human Readable Output

N/A

16. **List Machines By Tag**
Enrichment capability for finding machines by a given tag.

Input Parameter	Description	Type	Scope Restricted (Yes/No)	Required (Yes/No)
Integration	Name of the third party integration	Integration	N/A	Yes
Tag	Input Tag	String	Yes	Yes

Output:

Case Scope

Human Readable Output

N/A

17. **Add Machine Tag**
Action capability for adding a tag to specific machine.

Input Parameter	Description	Type	Scope Restricted (Yes/No)	Required (Yes/No)
IP Address	Network address from case scope	Network Address	Yes	Yes
Tag	Input Tag	String	Yes	Yes

Output:

Case Scope

Human Readable Output

N/A

18. **Assign Alert**
Action capability for assigning an alert.

Input Parameter	Description	Type	Scope Restricted (Yes/No)	Required (Yes/No)
Alert ID	Alert ID	String	No	Yes
Assignee	Assignee	String	No	Yes

Output:

Case Scope

N/A

Human Readable Output

N/A

19. **Isolate Machine**
Action capability for isolating device from accessing external network.

Input Parameter	Description	Type	Scope Restricted (Yes/No)	Required (Yes/No)
IP Address	Network address from case scope	Network Address	Yes	Yes
Comment	Comment	String	No	Yes

Output:

Case Scope

Human Readable Output

N/A

20. **Remove Machine Tag**
Action capability for removing a tag from a specific machine.

Input Parameter	Description	Type	Scope Restricted (Yes/No)	Required (Yes/No)
IP Address	Network address from case scope	Network Address	Yes	Yes
Tag	Input Tag	String	No	Yes

Output:

Case Scope

Human Readable Output

N/A

21. **Restrict Code Execution**
Action capability for restricting execution of all applications on the device except a

predefined set.

Input Parameter	Description	Type	Scope Restricted (Yes/No)	Required (Yes/No)
IP Address	Network address from case scope	Network Address	Yes	Yes

Output:

Case Scope

Human Readable Output

N/A

22. **Stop & Quarantine File**
Action capability for stopping execution of a file on a device and deleting it.

Input Parameter	Description	Type	Scope Restricted (Yes/No)	Required (Yes/No)
IP Address	Network address from case scope	Network Address	Yes	Yes
File Hash (SHA1)	File Hash (SHA1) from case scope	String	Yes	Yes

Output:

Case Scope

N/A

Human Readable Output

N/A

23. **Unisolate Machine**
Action capability for releasing machine from isolation.

Input Parameter	Description	Type	Scope Restricted (Yes/No)	Required (Yes/No)
IP Address	Network address from case scope	Network Address	Yes	Yes

Output:

Case Scope

N/A

Human Readable Output

N/A

24. Unrestrict Code Execution

    Action capability for removing app restrictions on a device.

Input Parameter	Description	Type	Scope Restricted (Yes/No)	Required (Yes/No)
IP Address	Network address from case scope	Network Address	Yes	Yes

Output:

Case Scope

N/A

Human Readable Output

N/A

25. **Update Alert Classification**

    Action capability for updating alert classification.

Input Parameter	Description	Type	Scope Restricted (Yes/No)	Required (Yes/No)
Alert ID	Alert ID	String	No	Yes
Alert Classification	Alert classification	String	No	Yes

Output:

Case Scope

Human Readable Output

N/A

26. **Update Alert Comment**

    Action capability for adding comment to an alert.

Input Parameter	Description	Type	Scope Restricted (Yes/No)	Required (Yes/No)
Alert ID	Alert ID	String	No	Yes
Alert Comments	Alert comment	String	No	Yes

Output:

Case Scope

N/A

Human Readable Output

N/A

27. **Update Alert Determination**
Action capability for updating an alert determination.

Input Parameter	Description	Type	Scope Restricted (Yes/No)	Required (Yes/No)
Alert ID	Alert ID	String	No	Yes
Alert Determination	Alert determination	String	No	Yes

Output:

Case Scope

N/A

Human Readable Output

N/A

28. **Update Alert Status**
Action capability for updating alert status.

Input Parameter	Description	Type	Scope Restricted (Yes/No)	Required (Yes/No)
Alert ID	Alert ID	String	No	Yes
Alert Status	Alert status	String	No	Yes

Output:

Case Scope

N/A

Human Readable Output

N/A

Integration Guide for Micro Focus IT Service Manager

Integration Overview

Micro Focus Service Manager is an IT Service Management (ITSM) Tool that uses the Information Technology Infrastructure Library (ITIL) framework to provide a web interface for corporate changes, releases and interactions (request fulfillment) that is supported by a service catalog and Configuration Management Database (CMDB).

Integration Capabilities

ArcSight SOAR has the following integration capabilities with Micro Focus IT Service Manager:

- Close Incident
- Create Incident
- Update Incident

Prerequisites

You must have access to HTTPS as the ArcSight SOAR connects to Micro Focus IT Service Manager API through this service.

Configuration

Configuring Micro Focus IT Service Manager

1. Create a user on IT Service Manager with admin role. This user must be able to and consume the rest APIs of the IT Service Manager.

Configuring SOAR

1. Click **Configuration** > **Credential** > **Create Credential.**
2. Specify the following parameter values in the **Credential Editor** form.

Type	Name	Username	Password	Private Key
Internal credential	Display name of credential set (for example, Micro Focus IT Service Manager Credentials).	Username of the created user on Micro Focus IT Service Manager.	Password of the created user on Micro Focus IT Service Manager.	

3. Click **Configuration** > **Lists** > **Create List**. The list must have two columns with the type keyword. Add a name to the list and save it. The name of the list is used during integration configuration.
4. Click **Configuration** > **Integrations** > **Create Integration**.
5. Specify the following parameter values in the **Configuration** form.

Parameter	Value
Name	Display name of the integration.
Type	Micro Focus IT Service Manager
Address	URL of the Micro Focus IT Service Manager integration (for example, http://15.113.165.82:13080).
Configuration	Specify the following configuration parameters: **list.name** – **List name that is used for mapping ArcSight SOAR cases to Micro Focus IT Service Manager incidents. For example, list.name=mfitsmMapList** **proxy.id** – **ID of the Proxy integration if you access Micro Focus IT Service Manager through a web proxy device. For example, proxy.id = 12345** .
Credential	Credential that has been defined for this integration under the **Credentials** menu.
Trust Invalid SSL Certificates	Select this if web server's certificate is self-signed or is not recognized by browsers.
Require Approval From	Select user(s) from list to ask the approval before executing actions on this integration.
Notify	Select user(s) from the list to notify when SOAR performs an action on this integration.

6. Click **Save** to save the integration definition.
7. Navigate to **Configuration>Customization Library** and edit **Micro Focus IT Service Manager Advanced Action Script Default Template**.
8. Select the integration that you have added to **Integrations** menu.

9. Click **Save** to complete the integration.
10. Click **Test**, an **Integration Successful** message is displayed if the credential and address are valid.

Capabilities

1. **Create Incident**
   Action capability for creating incident on Micro Focus IT Service Manager

   Rollback : No

   Duplicate Check: Yes

   The following table presents the **Create Incident** action capability details:

Input Parameter	Description	Type	Scope Restricted (Yes/ No)	Required (Yes/ No)
Category	Category information of created incident.	Enum	No	Yes
Description	MF ITSM Incident Description.	Text	No	Yes
Title	Incident Title	Text	No	Yes
Service	Service Type	Enum	No	Yes
Impact	Incident Impact	Enum	No	Yes
Urgency	Incident Urgency	Enum	No	Yes
Status	Incident Status	Enum	No	No
Alert Status	Incident Alert Status	Text	No	No
Area	Incident Area	Text	No	No
Subarea	Incident Subarea	Text	No	No
Assignment Group	Incident Assignee	Text	No	No
Affected CI	Incident Affected CI	Text	No	No
Company	Incident Company	Text	No	No
Phase	Incident Phase	Text	No	No

2. **Close Incident**
   Action capability for closing incident on Micro Focus IT Service Manager.

   Rollback : No

   Duplicate Check: Yes

   The following table presents the **Close Incident** action capability details:

Input Parameter	Description	Type	Scope Restricted (Yes/ No)	Required (Yes/ No)
Solution	Solution Note	Text	No	Yes

3. **Update Incident**

   Action capability for updating incident on Micro Focus IT Service Manager.

   Rollback : No

   Duplicate Check: No

   The following table presents the update incident action capability details:

Input Parameter	Description	Type	Scope Restricted (Yes/ No)	Required (Yes/ No)
Description	MF ITSM Incident Description.	Text	No	Yes
Title	Incident Title	Text	No	Yes
Service	Service Type	Enum	No	Yes
Impact	Incident Impact	Enum	No	Yes
Urgency	Incident Urgency	Enum	No	Yes
Status	Incident Status	Enum	No	No
Alert Status	Incident Alert Status	Text	No	No
Area	Incident Area	Text	No	No
Subarea	Incident Subarea	Text	No	No
Assignment Group	Incident Assignee	Text	No	No
Affected CI	Incident Affected CI	Text	No	No
Company	Incident Company	Text	No	No
Phase	Incident Phase	Text	No	No

Integration Guide for Micro Focus UCMDB

Integration Overview

Micro Focus Universal Configuration Management Database (UCMDB) generates and maintains a Configuration Management Database of information technology items. It includes a mechanism for automated discovery of IT infrastructure components, such as computers and network devices.

Integration Capabilities

ArcSight SOAR has the following integration capabilities with Micro Focus UCMDB:

- Expose CI Information
- Get CI
- Get Related CIs

Prerequisites

You must have access to HTTPS as the ArcSight SOAR connects to Micro Focus UCMDB API through this service.

Configuration

Configuring Micro Focus UCMDB

Create a user with privileges to use REST API. The username and password of the user is used as credential in the ArcSight SOAR.

Configuring SOAR

1. Click **Configuration** > **Credential** > **Create Credential**
2. Specify the following parameter values in the **Credential Editor** form:

Type	Name	Username	Password	Private Key
Internal credential	Display name of credential set (for example, Micro Focus UCMDB Credentials).	Username	Password	

3. Click **Configuration** > **Integrations** > **Create Integration**.
4. Specify the following parameter values in the **Configuration** form:

<table>
<tr><th>Parameter</th><th>Value</th></tr>
<tr><td><b>Name</b></td><td>Display name of the integration.</td></tr>
<tr><td><b>Type</b></td><td>Micro Focus UCMDB</td></tr>
<tr><td><b>Address</b></td><td>URL of UCMDB (ie. https://cms.smax.swdemos.net:8443)</td></tr>
<tr><td><b>Configuration</b></td><td>Specify the following configuration parameters:
<table>
<tr><td><b>cache.reusing.duration</b></td><td><b>Configure how far (in minutes) into the past this enrichment will look. For example, cache.reusing.duration=20</b> .</td></tr>
<tr><td><b>max.result.count</b></td><td><b>Maximum result count for Get Observed Attack Techniques capability.For example: max.result.count=200</b></td></tr>
<tr><td><b>proxy.id</b></td><td><b>ID of the Proxy integration if you access Micro Focus UCMDB through a web proxy device. For example, proxy.id = 12345</b></td></tr>
</table>
</td></tr>
<tr><td><b>Credential</b></td><td>Credential that has been defined for this integration under the <b>Credentials</b> menu.</td></tr>
<tr><td><b>Trust Invalid SSL Certificates</b></td><td>Select this if web server’s certificate is self-signed or is not recognized by browsers.</td></tr>
<tr><td><b>Require Approval From</b></td><td>Select user(s) from list to ask the approval before executing actions on this integration.</td></tr>
<tr><td><b>Notify</b></td><td>Select user(s) from the list to notify when SOAR performs an action on this integration.</td></tr>
</table>

5. Click **Save** to save the integration definition.
6. Navigate to **Configuration**>**Customization Library** and edit **Micro Focus UCMDB Advanced Action Script Default Template**.
7. Select the integration that you have added to **Integrations** menu.
8. Click **Save** to complete the integration.

9. Click **Test**, an **Integration Successful** message is displayed if the credential and address are valid.

Capabilities

1. **Expose CI Information**
   Enrichment capability for information related to the CIs of a certain type.

   The following table presents the **CI Enrichment** capability details:

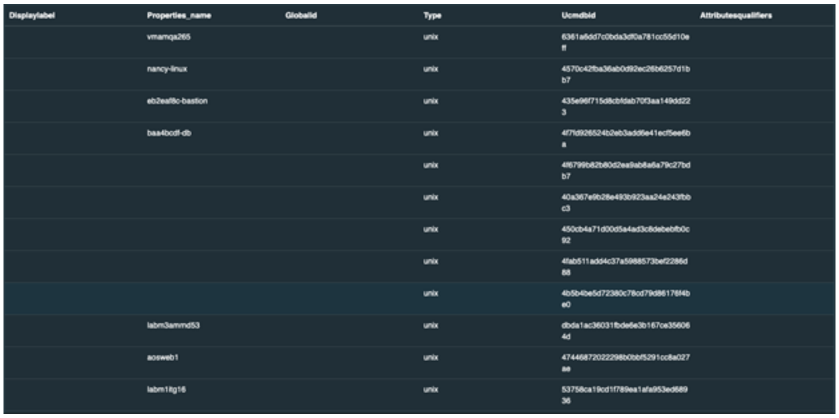
Input Parameter	Description	Type	Scope Restricted (Yes/ No)	Required (Yes/ No)
Integration	Name of the third party integration.	Integration	No	Yes
Layout	The comma seperated columns that are displayed in the output, for example, display_ label, name, description, node_role	Text	No	Yes
Type	The CI Type. For example, node, sqlserver, unix.	Text	No	Yes
Column	The value of this column is checked against the value you provided,for example, application_ip or name	Text	No	No
Value	Value, that is going to used during filtering.	ScopeItem	Yes	No

   Output:

   Case Scope:

Action	Type	Category/ Value
Add	Scope Item	Keyword(Related)

   Human Readable Output:



Displaylabel	Properties_name	Globalid	Type	Ucmdbid	Attributesqualifiers
	vmamqa265		unix	6361a6dd7c0bda3df0a781cc55d10e ff	
	nancy-linux		unix	4570c42fba36ab0d92ec26b6257d1b b7	
	eb2eaf8c-bastion		unix	435e96f715d8cbfdab70f3aa149dd22 3	
	baa4bcdf-db		unix	4f7fd926524b2eb3add6e41ecf5ee6b a	
			unix	4f6799b82b80d2ea9ab8a6a79c27bd b7	
			unix	40a367e9b28e493b923aa24e243fbb c3	
			unix	450cb4a71d00d5a4ad3c8debebfb0c 92	
			unix	4fab511add4c37a5988573bef2286d 88	
			unix	4b5b4be5d72380c78cd79d86176f4b e0	
	labm3ammd53		unix	dbda1ac36031fbde6e3b167ce35606 4d	
	aosweb1		unix	47446872022298b0bbf5291cc8a027 ae	
	labm1itg16		unix	53758ca19cd1f789ea1afa953ed689 36	

2. **Get CI**
   Enrichment capability for returning details of a CI.

The following table presents the **Get CI** enrichment capability details:

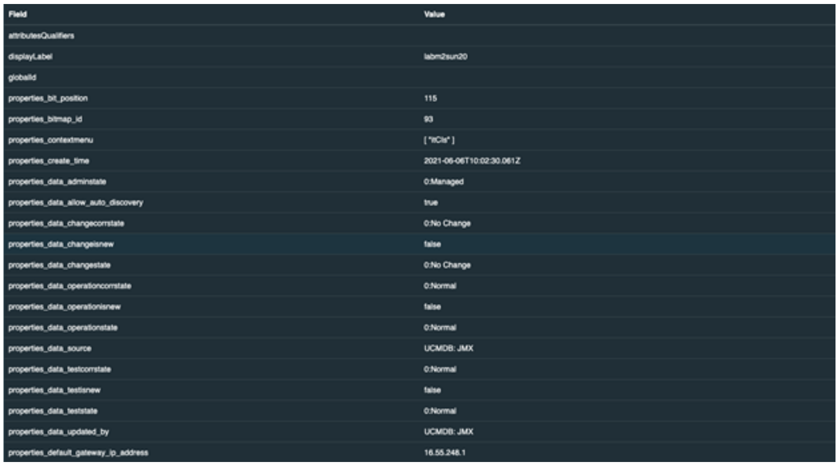
Input Parameter	Description	Type	Scope Restricted (Yes/ No)	Required (Yes/ No)
Integration	Name of the third party integration.	Integration	No	Yes
ID	CI id. If provided this value will be used regardless of the IP and Type values.	Keyword	Yes	No

Output:

Case Scope:

Action	Type	Category/ Value
None	N/A	N/A

Human Readable Output:



Field	Value
attributesQualifiers	
displayLabel	labm2sun20
globalId	
properties_bit_position	115
properties_bitmap_id	93
properties_contextmenu	["itCIs"]
properties_create_time	2021-06-06T10:02:30.061Z
properties_data_adminstate	0:Managed
properties_data_allow_auto_discovery	true
properties_data_changecorrstate	0:No Change
properties_data_changeisnew	false
properties_data_changestate	0:No Change
properties_data_operationcorrstate	0:Normal
properties_data_operationisnew	false
properties_data_operationstate	0:Normal
properties_data_source	UCMDB: JMX
properties_data_testcorrstate	0:Normal
properties_data_testisnew	false
properties_data_teststate	0:Normal
properties_data_updated_by	UCMDB: JMX
properties_default_gateway_ip_address	16.55.248.1

3. **Get Related CIs**

   Enrichment capability for returning the details of the CIs related to the specified CI.

   The following table presents the **Get Related CI** enrichment capability details:

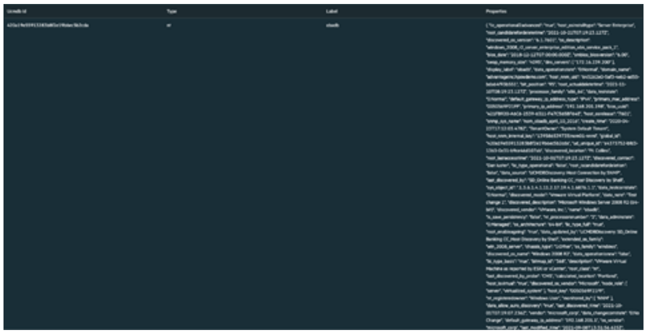
Input Parameter	Description	Type	Scope Restricted (Yes/ No)	Required (Yes/ No)
Integration	Name of the third party integration.	Integration	No	Yes
ID	CI id. If provided this value will be used no matter type or ip provided or not.	Keyword	Yes	Yes
Type	The string that represents the name of a valid configuration item type from the UCMDB. The name of the CI Type can be found inside the CI Type Manager.	Text	No	Yes

Output:

Case Scope:

Action	Type	Category/ Value
None	N/A	N/A

Human Readable Output:



Ucmdb Id	Type	Label	Properties
[illegible]	[illegible]	[illegible]	[illegible]

Integration Guide for Microsoft Exchange

Integration Overview

Exchange Server is a mail server developed by Microsoft.

SOAR has the following integration capabilities with Microsoft Exchange Server :

- Delete email
- Mark email
- Quarantine email

Use Case: Deleting already delivered phishing emails

SOAR can follow email inboxes for user’s phishing reports and automatically creates an incident record on its service desk. During the investigation of the attack SOAR can extract the sender address and subject and using these values performs a search on Microsoft Exchange Server to mark or delete already delivered malicious messages. This can be performed automatically within a playbook or manually by an analyst.

Configuration

Prerequisites

- SOAR connects to Microsoft Exchange Web Service API via HTTPS. So access to 443/tcp port is required.
- A user account with impersonation role is required for SOAR to connect Microsoft Exchange.

Configuration on Microsoft Exchange

1. Login to Microsoft Exchange admin center and add a user mailbox for SOAR.
2. Open Exchange Management Shell and give the user Application Impersonation role using the following command:

```
New-ManagementRoleAssignment \
   -Name:<impersonation Assignment Name> \
   -Role:ApplicationImpersonation \
   -User:<account name>
```

Configuration on SOAR

1. Navigate **Configuration** > **Credentials** and click **Create Credential**.
2. Specify the parameter values in the **Credential Editor** form as follows:

   a. Internal Credential:

Type	Name	**Username**	**Password**	**Private Key**
Internal credential	Display name of credential set (i.e., Microsoft Exchange Credentials).	User you have configured SOAR on Microsoft Exchange (the format should be username@domain).	Password of the user you have configured for SOAR on Microsoft Exchange.	Empty

   b. Credential Store:

   Type: External credential.

   Name: Name of the credential with pull path of the safe on store.

3. Navigate to**Configuration** -> **Integrations** and click **Create Integration**.
4. Specify the parameter values in the **Configuration** form as follows:

Address	Configuration	Credential	Trust Invalid SSL Certificated	Require Approval from	Notify	Require Approval from	Notify

Display name of Microsoft Exchange integration on SOAR.	Microsoft Exchange	Address of the integration (the format should be 192.168.2.8).	You need to specify the following configuration parameters
			`requests.impersonation.disable=false`
			`requests.cookies.enable=true`
			`mail.store.protocol=exchange`
			`mail.incoming.pollerperiod=10000`
			`mail.incoming.folder=Inbox`
				Name of the credential set you’ve just created on step 2. (i.e., Microsoft Exchange Credentials).	Select this if certificate used on Exchange Server is self-signed or not recognized by browsers.	Select user(s) from list to ask her/his approval before executing actions on this integration	Select user(s) from the list to notify when SOAR performs an action on this integration.

5. Click **Test** to test the integration.
6. Click **Save** to complete integration.

Additional Notes

- To customize warning messages for Quarantine and Mark actions, edit the following parameters under **Configuration** > **Parameters**:
    - MSExchangeMarkWarningText
    - MSExchangeQuarantineWarningText
- To customize the mail folder to be used for Quarantine actions, edit the following parameter under **Configuration** > **Parameters**:
    - MSExchangeQuarantineEMailBox
- In some environments with multiple CAS deployments Exchange uses a request cookie to track the environment. The requests.cookies.enable configuration can help track the cookie so that SOAR won’t have any mismatch and Subscription was not found error. It is by default true and should stay that way in most environments.

Integration Guide for Microsoft Office365 Exchange EWS

Integration Overview

Exchange Server EWS provide access to mailbox data stored in Exchange Online, Exchange Online as part of Office 365, and on-premises versions of Exchange starting with Exchange Server 2007, and enable you to manage that information according to the requirements of your organization.

> Note: This is the new version of Microsoft Exchange integration and old one will be phased out.

Users are encouraged to use this integration.

ArcSight SOAR has the following integration capabilities with Microsoft Exchange EWS :

- Block Email Sender
- Delete Email
- Delete Attachment
- Get Attachments
- Get Emails
- Search Emails

Use Case: Deleting already delivered phishing emails

SOAR follows email inboxes for user’s phishing reports and automatically creates an incident record on its service desk. During the investigation of the attack ATAR can extract the sender address and subject and using these values performs a search on Microsoft Exchange Server to delete already delivered malicious messages and block malicious senders. This can be performed automatically within a playbook or manually by an analyst.

Configuration

Prerequisites

- SOAR connects to Microsoft Exchange Web Service API using HTTPS. So access to 443/tcp port is required.
- A user account with the following permissions is required for SOAR to connect MS Exchange EWS Server:

- ApplicationImpersonation (Authorized to make operations for other users' accounts)
- MailboxSearch (Authorized to search all mailboxes).

Configuration on Microsoft Exchange

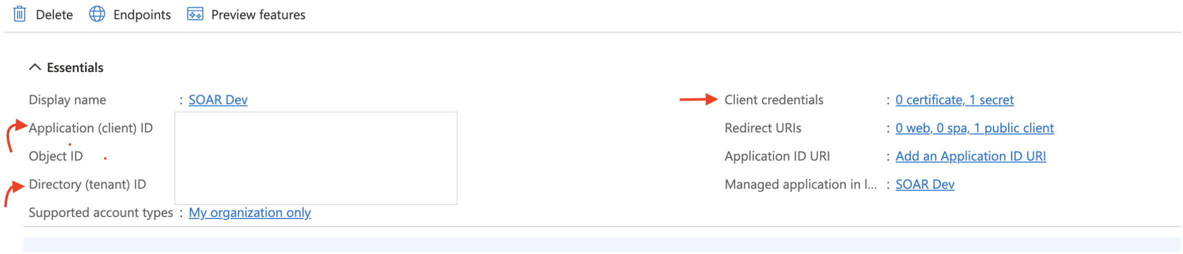
1. Login to Microsoft Exchange Admin Center (For example, https://exchangeserver/ecp) and add a user mailbox for SOAR.
2. Navigate to **Permissions** > **Cloud Migrator Impersonation**, edit and add user account you have created in first step to "Members" to give Account Impersonation permission.
3. Navigate to **Permissions** > **Discovery Management**, edit and add user account you have created in first step to "Members" to give Mailbox Search permission

Using OAuth2 with Microsoft Exchange online Integrtations

You can use the OAuth authentication service provided by Azure Active Directory to enable your EWS Managed API applications to access Exchange Online in Office 365. To use OAuth with your application complete the following:

1. Register the application for OAuth2. For more information see Microsoft Documenation.

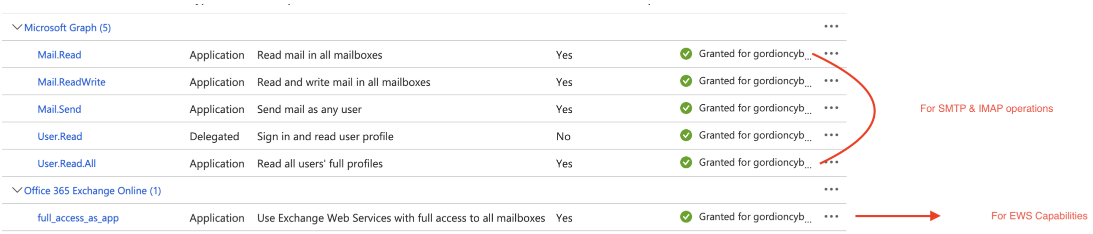
   After the application registered, it appears in the Application list. Click the application to view details.
2. Copy the values for **Application(client) ID**, **Directory(tenant) ID** and **Client Credentials** fields to create credentials in SOAR.



Display name : SOAR Dev
Application (client) ID
Object ID
Directory (tenant) ID
Supported account types : My organization only

Client credentials : 0 certificate, 1 secret
Redirect URIs : 0 web, 0 spa, 1 public client
Application ID URI : Add an Application ID URI
Managed application in l... : SOAR Dev

3. Configure the following permissions for registered Application:



Microsoft Graph (5)				
Mail.Read	Application	Read mail in all mailboxes	Yes	Granted for gordioncyb...
Mail.ReadWrite	Application	Read and write mail in all mailboxes	Yes	Granted for gordioncyb...
Mail.Send	Application	Send mail as any user	Yes	Granted for gordioncyb...
User.Read	Delegated	Sign in and read user profile	No	Granted for gordioncyb...
User.Read.All	Application	Read all users' full profiles	Yes	Granted for gordioncyb...
Office 365 Exchange Online (1)				
full_access_as_app	Application	Use Exchange Web Services with full access to all mailboxes	Yes	Granted for gordioncyb...

For SMTP & IMAP operations

For EWS Capabilities

Configuring SOAR

1. Navigate **Configuration** > **Credentials** and click **Create Credential**.

   Fill the Credential Editor form as follows:

   a. Internal Credential:

Type	Internal credential.
Name	Display name of credential set (i.e., MS Exchange EWS Credentials).
Username	**Application(client) ID** value that has been copied from the application.
Password	**Client Credentials**value that has been copied from the application.
Private Key:	**Directory(tenant) ID**value that has been copied from the application.

   b. Credential Store:

Type	External credential.
Name	Name of the credential with pull path of the safe on store.

2. Navigate **Configuration** > **Integrations** and click **Create Integration**.
3. Fill the configuration form as follows:

Name:	Display name of Microsoft Exchange EWS integration on ATAR.
Type:	Microsoft Exchange EWS.
Address:	Address of the integration (the format should be outlook.office365.com or 192.168.2.7).

<table>
<tr>
<td><b>Configuration :</b></td>
<td>

You need to specify the following configuration parameters:

```
# Maximum record number per paginated response. Default value is 1000
page.size=200
# Connect time out in seconds. Default value is 200
connect.timeout=7200
# Request time out in seconds. Default value is 200
request.timeout=7200
# Trash folder name. Default value is Deleted Items
#trash.folder=
# Junk folder name. Default value is Junk Email
#junk.folder=
# Maximum record number per paginated attachment detail response. Default
value is 10
#attachment.page.size=
# Microsoft Exchange Server enrichment API timezone, if not specified GMT
will be used as default
#timezone=
# Maximum number of email id list per request. Default value is 5
#email.id.size=
# Maximum record number per paginated item detail response. Default value is
10
#email.page.size=
# Maximum email item limit for each enrichment. Default value is 1000
#email.limit=
# Maximum attachment item limit for each enrichment. Default value is 100
#attachment.limit=
# Authentication methods for the integration. Supported options: Basic,
OAuth2, default is Basic
#auth.type=
```

⚠ Set **auth.type=OAuth2**in integration configurations to enable OAuth2.

</td>
</tr>
<tr>
<td><b>Credential</b></td>
<td>Select newly created OAuth2 credential for credential field. (i.e., Microsoft Exchange Credentials).</td>
</tr>
<tr>
<td><b>Trust Invalid SSL Certificates</b></td>
<td>Select this if certificate used on Exchange Server is self-signed or not recognized by browsers.</td>
</tr>
<tr>
<td><b>Require Approval From:</b></td>
<td>Select user(s) from list to ask approval before executing actions on this integration</td>
</tr>
<tr>
<td><b>Notify</b></td>
<td>Select user(s) from the list to notify when ATAR performs an action on this integration.</td>
</tr>
</table>

4. Click the Test button.
5. Click **Save** to complete integration.

Additional Notes

For Delete capability, at least one of the following parameters should be given:

- Email From
- Email Subject
- Email ID
- Attachment ID

And there are 3 deletion methods:

- **Hard Delete:** Deletes permanently (default)
- **Move To Trash:** Moves to trash folder (such as Deleted Items folder)
- **Soft Delete:** Moves to dumpster if it is enabled.

Integration Guide for Microsoft Windows DNS Server

Integration Overview

ArcSight SOAR uses Microsoft Windows DNS Server to redirect IP address to another IP address.

SOAR checks connection.secure parameter to connect via WinRM over http or https protocol.

Integration Capabilities

- Action
- Block

Configuration

Configuration on Microsoft Windows DNS Server

- SOAR connects to Microsoft Windows DNS Server’s integration API via WinRM services. Therefore SOAR should be able to connect this service.
- WinRM credential is required.

Configuring ATAR

1. While creating this integration via Integrations tab of Configuration menu:

   Name: Display name of the integration.

   Type: Microsoft Windows DNS Server.

   Address: Address of the integration (the format should be http[s]://1.1.1.1:1234).

   Credential: WinRM credential is required. Credential that has been defined for this integration under the **Credentials** menu.

   Configuration: You need to specify the following configuration parameters.

   ```
   dns.zone.name: Redirected DNS server zone name
   dns.block.ip: Redirection address
   dns.server.name: DNS server name
   #Use https:// instead of http:// on WinRM connection
   ```

```
connection.secure=true : For secure connections, otherwise set to false.
#Parameters:
```

WindowsDNSCommandExecPath: Windows DNS command execution path.

Trust Invalid SSL Certificates: Select this if Engine's certificate used for the service is self-signed or not recognized by browsers.

Require Approval From: Select user(s) from list to ask her/his approval before executing actions on this integration.

Notify: Select user(s) from the list to notify when ATAR performs an action on this integration.

2. Click the **Test** button.
3. Click **Save** to complete integration.

Integration Guide for Microsoft Windows Services (WinRM)

Integration Overview

Integration Capabilities

- Action
- None

Configuration

Configuration on Microsoft Windows Services

- SOAR connects to Microsoft Windows Service's integration API via WinRM services.
- Therefore SOAR should be able to connect this service.
- WinRM credential is required.

Configuring SOAR

1. While creating this integration via Integrations tab of Configuration menu:

   Name: Display name of the integration.

   Type: Microsft Windows Services.

   Address: Address of the integration (the format should be 1.1.1.1 or abc.example.com).

   Configuration: You need to specify the following configuration parameters.

   putfile.generateuuid =

   putfile.defaultfolder =

   connection.secure = true

   Credential: Credential that has been defined for this integration under the Credentials menu.

   Trust Invalid SSL Certificates: Select this if certificate used for the service is selfsigned or not recognized by browsers.

   Require Approval From: Select user(s) from list to ask her/his approval before executing actions on this integration.

Notify: Select user(s) from the list to notify when SOAR performs an action on this integration.

2. Click the **Test** button.
3. Click **Save** to complete integration.

Integration Guide for Microsoft Graph Security

Integration Overview

Microsoft Graph Security is an intermediary service (or broker) that provides a single programmatic interface to connect multiple Microsoft Graph Security providers such as Azure Security Center, Microsoft Defender APT, Microsoft Cloud App. Security, etc. Microsoft Graph Security integration lets you to search and manage security alerts created by those providers. This integration supports Microsoft Graph API v1.0.

Integration Capabilities

- Assign Alert
- Get Alert by ID
- List Alerts
- List Alerts by Category
- List Alerts by Destination
- List Alerts by Provider
- List Alerts by Severity
- List Alerts by Source IP
- List Alerts by Status
- Update Alert Comment
- Update Alert Feedback
- Update Alert Status

Prerequisites

ArcSight SOAR connects to ”**login.microsoft.com**” and “**graph.microsoft.com**” APIs through HTTPS. Access to these services is required

.

Configuration

Configuring Microsoft Azure

1. Login to **https://portal.azure.com** and navigate to **Azure Active Directory** service.
2. Create a new registration in **App Registrations** menu following values.

> Note: If an application is defined for other integrations, skip steps 1-3 to use it.

Name	Supported Account Types	Redirect URI
ArcSight SOAR	Accounts in this organizational directory only (Default Directory only - Single tenant)	(Web) https://localhost/soar

3. Click **Add a certificate or secret link** and create a new client secret. Specify the description and expiry period as 24 months.
4. Note the created **Secret Key** value along with Client ID.
5. Navigate to **API Permissions** and add the following permissions from Microsoft Graph:

Permission Type	Permission	Description
Application	SecurityEvents, ReadWrite, All.	Read and update your organization’s security events.

6. Click **Yes** to grant admin consent for Default Directory.

Configuring SOAR

1. Click **Configuration** > **Credential** > **Create Credential**.
2. Specify the following parameter values in the **Credential Editor** form:

Type	**Name**	**Username**	**Password**	**Private Key**
Internal credential	Display name of credential set (for example, Azure AD Credential).		Client ID of the application (for example, ArcSight SOAR) that is registered on Azure Portal.	Secret Key

3. Click **Configuration** > **Integrations** > **Create Integration**.
4. Specify the following parameter values in the **Configuration** form:

Parameter	Value
Name	Display name of the integration.
Type	Microsoft Graph Security

Parameter	Value
Address	Address of the integration (https://graph.microsoft.com/v1.0/security).
Configuration	Specify the following configuration parameters: **tenant.id**: **Tenant ID on Microsoft Azure tenant.id = ff1f0000-c600-4500-0038-9d4000000000** **proxy.id**: **ID of the Proxy integration if you access Microsoft Graph Security through a web proxy device. For example, proxy.id = 12345** .
Credential	Credential that has been defined for this integration under the **Credentials** menu.
Trust Invalid SSL Certificates	Select this if web server’s certificate is self-signed or is not recognized by browsers.
Require Approval From	Select user(s) from list to ask the approval before executing actions on this integration.
Notify	Select user(s) from the list to notify when SOAR performs an action on this integration.

5. Click **Save** to save the integration definition.
6. Navigate to **Configuration**>**Customization Library** and edit **Microsoft Graph Security Advanced Action Script Default Template**.
7. Select the integration that you have added to **Integrations** menu.
8. Click **Save** to complete the integration.
9. Click **Test**, an **Integration Successful** message is displayed if the credential and address are valid.

Capabilities

1. **Assign Alert**
   Action capability for assigning security alert to a person on Azure Security Center.

   • Rollback: No

   • Duplicate Control: No

   The following table presents the assign alert action capability details:

Input Parameter	Description	Type	Scope Restricted (Yes/ No)	Required (Yes/ No)
Integration	Name of the third party integration.	Integration	N/A	Yes
Assign to	Person this alert to be assigned to.	String	No	Yes

Output:

Case Scope: N/A

Human Readable Output: N/A

2. **Get Alert by ID**
   Enrichment capability for querying & retrieving security alert details by alert ID.

   The following table presents the get alert ID enrichment capability details:

Input Parameter	Description	Type	Scope Restricted (Yes/ No)	Required (Yes/ No)
Integration	Name of the third party integration.	Integration	N/A	Yes
Alert ID	Alert ID on Azure Security Center.	String	No	Yes

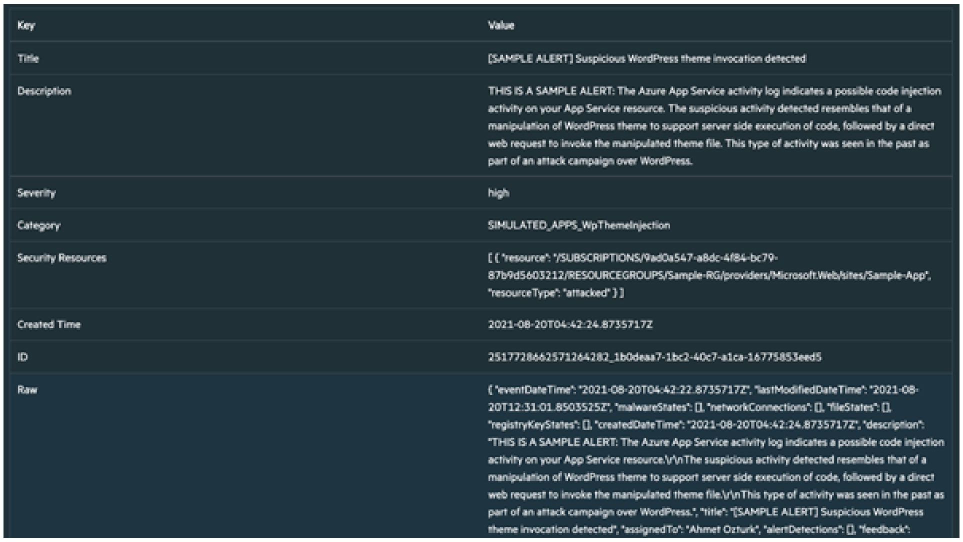
Output:

Case Scope:

Action	**Type**	**Category/ Value**
None	N/A	N/A

Human Readable Output:

Following image provides the **Human Readable Output**:



Key	Value
Title	[SAMPLE ALERT] Suspicious WordPress theme invocation detected
Description	THIS IS A SAMPLE ALERT: The Azure App Service activity log indicates a possible code injection activity on your App Service resource. The suspicious activity detected resembles that of a manipulation of WordPress theme to support server side execution of code, followed by a direct web request to invoke the manipulated theme file. This type of activity was seen in the past as part of an attack campaign over WordPress.
Severity	high
Category	SIMULATED_APPS_WpThemeInjection
Security Resources	[{ "resource": "/SUBSCRIPTIONS/9ad0a547-a8dc-4f84-bc79-87b9d5603212/RESOURCEGROUPS/Sample-RG/providers/Microsoft.Web/sites/Sample-App", "resourceType": "attacked" }]
Created Time	2021-08-20T04:42:24.8735717Z
ID	2517728662571264282_1b0deaa7-1bc2-40c7-a1ca-16775853eed5
Raw	{ "eventDateTime": "2021-08-20T04:42:22.8735717Z", "lastModifiedDateTime": "2021-08-20T12:31:01.8503525Z", "malwareStates": [], "networkConnections": [], "fileStates": [], "registryKeyStates": [], "createdDateTime": "2021-08-20T04:42:24.8735717Z", "description": "THIS IS A SAMPLE ALERT: The Azure App Service activity log indicates a possible code injection activity on your App Service resource.\r\nThe suspicious activity detected resembles that of a manipulation of WordPress theme to support server side execution of code, followed by a direct web request to invoke the manipulated theme file.\r\nThis type of activity was seen in the past as part of an attack campaign over WordPress.", "title": "[SAMPLE ALERT] Suspicious WordPress theme invocation detected", "assignedTo": "Ahmet Ozturk", "alertDetections": [], "feedback":

3. **List Alerts**
   Enrichment capability for getting list of security alerts created in given time range. Results are based on the alerts creation time, displayed in newest to oldest manner..

   The following table presents thelist alerts enrichment capability details:

Input Parameter	Description	Type	Scope Restricted (Yes/ No)	Required (Yes/ No)
Integration	Name of the third party integration.	Integration	N/A	Yes
Time Range	Time range filter for query.	Time range. Relative: e.g. Last 5 days Absolute: For example, 2021-08-14 15:10 – 2021-08-14 15:32	N/A	Yes

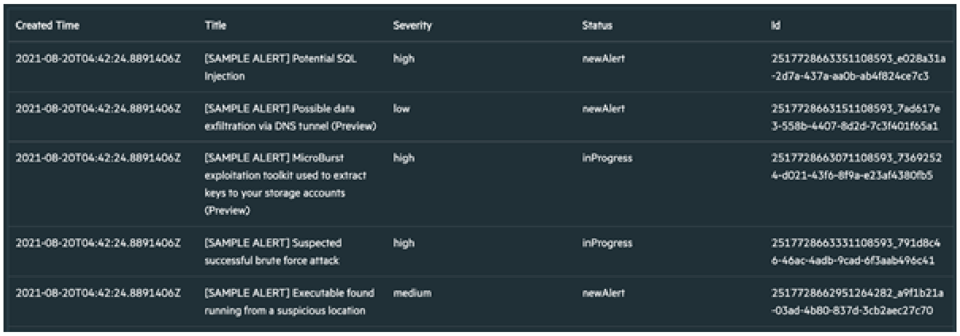
Output:

Case Scope:

Action	Type	Category/ Value
None	N/A	N/A

Human Readable Output:

Following image provides the **Human Readable Output**:



Created Time	Title	Severity	Status	Id
2021-08-20T04:42:24.8891406Z	[SAMPLE ALERT] Potential SQL Injection	high	newAlert	2517728663351108593_e028a31a-2d7a-437a-aa0b-ab4f824ce7c3
2021-08-20T04:42:24.8891406Z	[SAMPLE ALERT] Possible data exfiltration via DNS tunnel (Preview)	low	newAlert	2517728663151108593_7ad617e3-558b-4407-8d2d-7c3f401f65a1
2021-08-20T04:42:24.8891406Z	[SAMPLE ALERT] MicroBurst exploitation toolkit used to extract keys to your storage accounts (Preview)	high	inProgress	2517728663071108593_73692524-d021-43f6-8f9a-e23af4380fb5
2021-08-20T04:42:24.8891406Z	[SAMPLE ALERT] Suspected successful brute force attack	high	inProgress	2517728663331108593_791d8c46-46ac-4adb-9cad-6f3aab496c41
2021-08-20T04:42:24.8891406Z	[SAMPLE ALERT] Executable found running from a suspicious location	medium	newAlert	2517728662951264282_a9f1b21a-03ad-4b80-837d-3cb2aec27c70

4. **List Alerts by Category**
   Enrichment capability for getting list of security alerts of a certain category created in given time range. Results are based on the alerts creation time, displayed in newest to oldest manner.

   The following table presents the list alert by category enrichment capability details:

Input Parameter	Description	Type	Scope Restricted (Yes/ No)	Required (Yes/ No)
Integration	Name of the third party integration.	Integration	N/A	Yes
Alert Category	Category name	String	No	Yes

Input Parameter	Description	Type	Scope Restricted (Yes/ No)	Required (Yes/ No)
Time Range	Time range filter for query.	Time range. Relative: e.g. Last 5 days Absolute: For example, 2021-08-14 15:10 – 2021-08-14 15:32	N/A	Yes

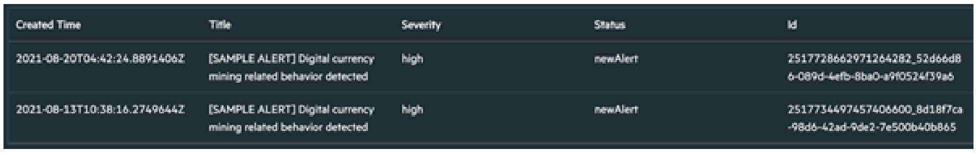
Output:

Case Scope:

Action	Type	Category/ Value
None	N/A	N/A

Human Readable Output:

Following image provides the **Human Readable Output**:



Created Time	Title	Severity	Status	Id
2021-08-20T04:42:24.8891406Z	[SAMPLE ALERT] Digital currency mining related behavior detected	high	newAlert	2517728662971264282_52d66d86-089d-4efb-8ba0-a9f0524f39a6
2021-08-13T10:38:16.2749644Z	[SAMPLE ALERT] Digital currency mining related behavior detected	high	newAlert	2517734497457406600_8d18f7ca-98d6-42ad-9de2-7e500b40b865

5. **List Alerts by Destination**
   Enrichment capability for getting list of security alerts with the specified destination field, created in given time range. Results are based on the alerts creation time, displayed in newest to oldest manner.

   The following table presents the list alerts by destination enrichment capability details:

Input Parameter	Description	Type	Scope Restricted (Yes/ No)	Required (Yes/ No)
Integration	Name of the third party integration.	Integration	N/A	Yes
Destination	Destination Address.	Host Network Address URL .	Yes	Yes
Time Range	Time range filter for query.	Time range. Relative: e.g. Last 5 days Absolute: For example, 2021-08-14 15:10 – 2021-08-14 15:32	N/A	Yes

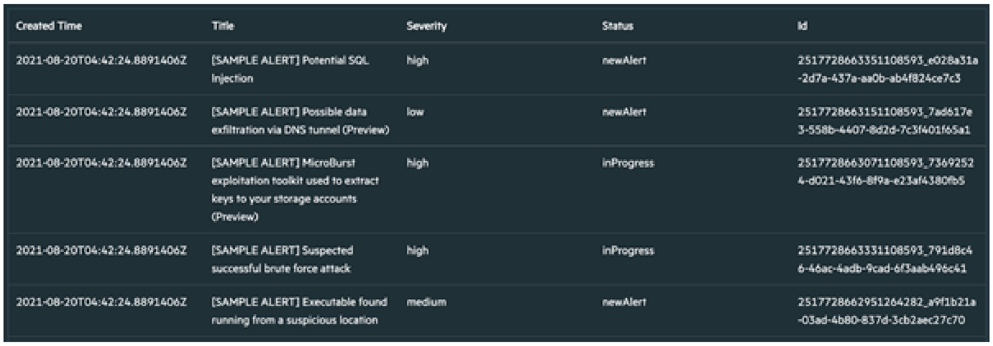
Output:

Case Scope:

Action	Type	Category/ Value
None	N/A	N/A

Human Readable Output:

Following image provides the **Human Readable Output**:



Created Time	Title	Severity	Status	Id
2021-08-20T04:42:24.8891406Z	[SAMPLE ALERT] Potential SQL Injection	high	newAlert	2517728663351108593_e028a31a-2d7a-437a-aa0b-ab4f824ce7c3
2021-08-20T04:42:24.8891406Z	[SAMPLE ALERT] Possible data exfiltration via DNS tunnel (Preview)	low	newAlert	2517728663151108593_7ad617e3-558b-4407-8d2d-7c3f401f65a1
2021-08-20T04:42:24.8891406Z	[SAMPLE ALERT] MicroBurst exploitation toolkit used to extract keys to your storage accounts (Preview)	high	inProgress	2517728663071108593_73692524-d021-43f6-8f9a-e23af4380fb5
2021-08-20T04:42:24.8891406Z	[SAMPLE ALERT] Suspected successful brute force attack	high	inProgress	2517728663331108593_791d8c46-46ac-4adb-9cad-6f3aab496c41
2021-08-20T04:42:24.8891406Z	[SAMPLE ALERT] Executable found running from a suspicious location	medium	newAlert	2517728662951264282_a9f1b21a-03ad-4b80-837d-3cb2aec27c70

6. **List Alerts by Provider**

   Enrichment capability for getting list of security alerts originated from the specified security provider, created in given time range. Results are based on the alerts creation time, displayed in newest to oldest manner.

   The following table presents the list alerts by provider enrichment capability:

Input Parameter	Description	Type	Scope Restricted (Yes/ No)	Required (Yes/ No)
Integration	Name of the third party integration.	Integration	N/A	Yes
Provider	One of the Microsoft Security Providers.	String Azure Active Directory Identity Protection Azure Advanced Threat Protection Azure Security Center Azure Sentinel Microsoft Cloud App Security Microsoft Defender Advanced Threat Protection	No	Yes
Time Range	Time range filter for query.	Time range. Relative: For example, Last 5 days Absolute: For example, 2021-08-14 15:10 – 2021-08-14 15:32	N/A	Yes

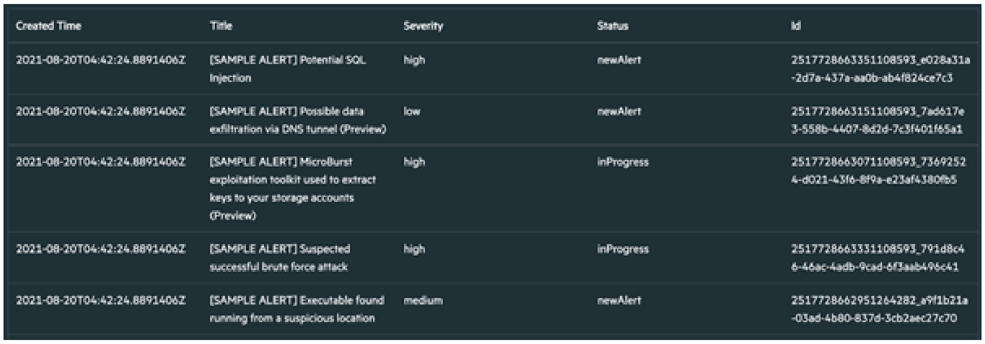
Output:

Case Scope:

Action	Type	Category/ Value
None	N/A	N/A

Human Readable Output:

Following image provides the **Human Readable Output**:



Created Time	Title	Severity	Status	Id
2021-08-20T04:42:24.8891406Z	[SAMPLE ALERT] Potential SQL Injection	high	newAlert	2517728663351108593_e028a31a-2d7a-437a-aa0b-ab4f824ce7c3
2021-08-20T04:42:24.8891406Z	[SAMPLE ALERT] Possible data exfiltration via DNS tunnel (Preview)	low	newAlert	2517728663151108593_7ad617e3-558b-4407-8d2d-7c3f401f65a1
2021-08-20T04:42:24.8891406Z	[SAMPLE ALERT] MicroBurst exploitation toolkit used to extract keys to your storage accounts (Preview)	high	inProgress	2517728663071108593_73692524-d021-43f6-8f9a-e23af4380fb5
2021-08-20T04:42:24.8891406Z	[SAMPLE ALERT] Suspected successful brute force attack	high	inProgress	2517728663331108593_791d8c46-46ac-4adb-9cad-6f3aab496c41
2021-08-20T04:42:24.8891406Z	[SAMPLE ALERT] Executable found running from a suspicious location	medium	newAlert	2517728662951264282_a9f1b21a-03ad-4b80-837d-3cb2aec27c70

7. **List Alerts by Severity**

Enrichment capability for getting list of security alerts with the specified severity value, created in given time range. Results are based on the alerts creation time, displayed in newest to oldest manner.

The following table presents the list alerts by severity enrichment capability details:

Input Parameter	Description	Type	Scope Restricted (Yes/ No)	Required (Yes/ No)
Integration	Name of the third party integration.	Integration	N/A	Yes
Alert Severity	Alert severity set by vendor/ provider.	String High Medium Low Informational Unknown	No	Yes
Time Range	Time range filter for query.	Time range. Relative: For example, Last 5 days Absolute: For example, 2021-08-14 15:10 – 2021-08-14 15:32	N/A	Yes

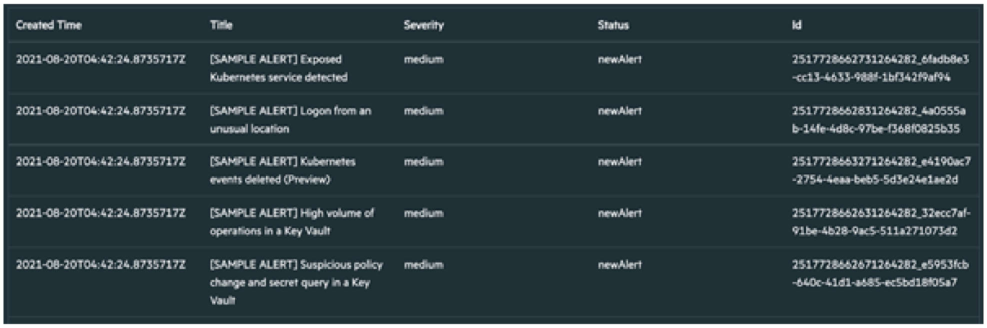
Output:

Case Scope:

Action	**Type**	**Category/ Value**
None	N/A	N/A

Human Readable Output:

Following image provides the **Human Readable Output**:



Created Time	Title	Severity	Status	Id
2021-08-20T04:42:24.8735717Z	[SAMPLE ALERT] Exposed Kubernetes service detected	medium	newAlert	2517728662731264282_6fadb8e3-cc13-4633-988f-1bf342f9af94
2021-08-20T04:42:24.8735717Z	[SAMPLE ALERT] Logon from an unusual location	medium	newAlert	2517728662831264282_4a0555ab-14fe-4d8c-97be-f368f0825b35
2021-08-20T04:42:24.8735717Z	[SAMPLE ALERT] Kubernetes events deleted (Preview)	medium	newAlert	2517728663271264282_e4190ac7-2754-4eaa-beb5-5d3e24e1ae2d
2021-08-20T04:42:24.8735717Z	[SAMPLE ALERT] High volume of operations in a Key Vault	medium	newAlert	2517728662631264282_32ecc7af-91be-4b28-9ac5-511a271073d2
2021-08-20T04:42:24.8735717Z	[SAMPLE ALERT] Suspicious policy change and secret query in a Key Vault	medium	newAlert	2517728662671264282_e5953fcb-640c-41d1-a685-ec5bd18f05a7

8. **List Alerts by Source IP**

   Enrichment capability for getting list of security alerts with the specified source IP field, created in given time range.Results are based on the alerts creation time, displayed in newest to oldest manner.

   The following table presents the list alerts by source IP enrichment capability details:

Input Parameter	Description	Type	Scope Restricted (Yes/ No)	Required (Yes/ No)
Integration	Name of the third party integration.	Integration	N/A	Yes
Source IP	Source IP Address.	Network Address	Yes	Yes
Time Range	Time range filter for query.	Time range. Relative: For example, Last 5 days Absolute: For example, 2021-08-14 15:10 – 2021-08-14 15:32	N/A	Yes

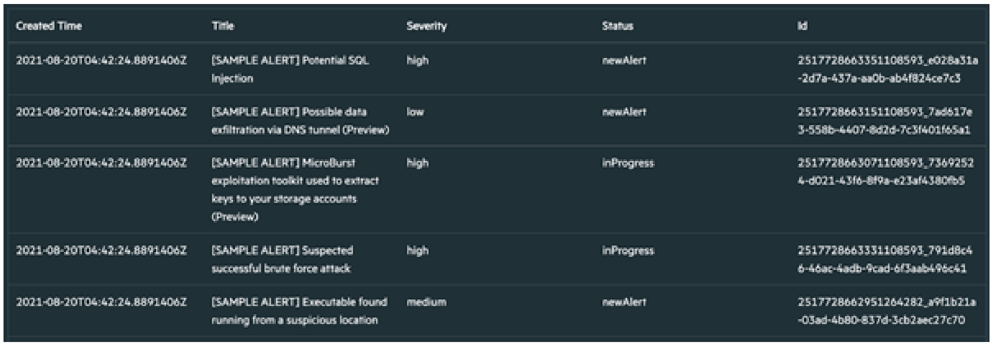
Output:

Case Scope:

Action	**Type**	**Category/ Value**
None	N/A	N/A

Human Readable Output:

Following image provides the **Human Readable Output**:



Created Time	Title	Severity	Status	Id
2021-08-20T04:42:24.8891406Z	[SAMPLE ALERT] Potential SQL Injection	high	newAlert	2517728663351108593_e028a31a-2d7a-437a-aa0b-ab4f824ce7c3
2021-08-20T04:42:24.8891406Z	[SAMPLE ALERT] Possible data exfiltration via DNS tunnel (Preview)	low	newAlert	2517728663151108593_7ad617e3-558b-4407-8d2d-7c3f401f65a1
2021-08-20T04:42:24.8891406Z	[SAMPLE ALERT] MicroBurst exploitation toolkit used to extract keys to your storage accounts (Preview)	high	inProgress	2517728663071108593_73692524-d021-43f6-8f9a-e23af4380fb5
2021-08-20T04:42:24.8891406Z	[SAMPLE ALERT] Suspected successful brute force attack	high	inProgress	2517728663331108593_791d8c46-46ac-4adb-9cad-6f3aab496c41
2021-08-20T04:42:24.8891406Z	[SAMPLE ALERT] Executable found running from a suspicious location	medium	newAlert	2517728662951264282_a9f1b21a-03ad-4b80-837d-3cb2aec27c70

9. **List Alerts by Status**
   Enrichment capability for getting list of security alerts with the specified status value, created in given time range. Results are based on the alerts creation time, displayed in newest to oldest manner.

   The following table presents the list alerts by source enrichment capability details:

Input Parameter	Description	Type	Scope Restricted (Yes/ No)	Required (Yes/ No)
Integration	Name of the third party integration.	Integration	N/A	Yes
Alert Status	Alert lifecycle status (stage).	String NewAlert InProgess Resolved Unknown	No	Yes
Time Range	Time range filter for query.	Time range. Relative: For example, Last 5 days Absolute: For example, 2021-08-14 15:10 – 2021-08-14 15:32	N/A	Yes

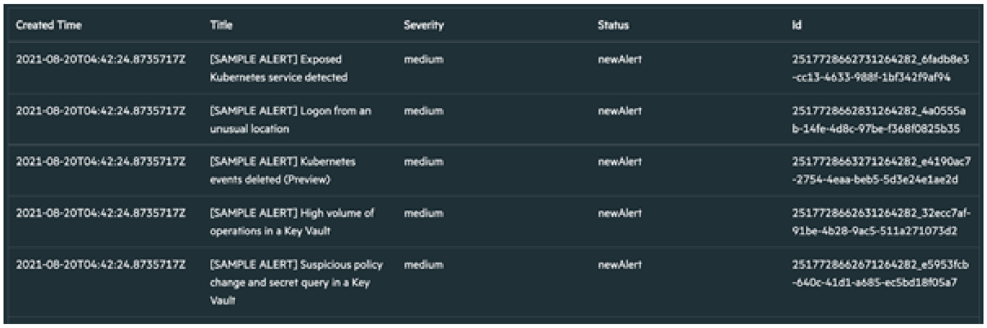
   Output:

   Case Scope:

Action	Type	Category/ Value
None	N/A	N/A

   Human Readable Output:

   Following image provides the **Human Readable Output**:



Created Time	Title	Severity	Status	Id
2021-08-20T04:42:24.8735717Z	[SAMPLE ALERT] Exposed Kubernetes service detected	medium	newAlert	2517728662731264282_6fadb8e3-cc13-4633-988f-1bf342f9af94
2021-08-20T04:42:24.8735717Z	[SAMPLE ALERT] Logon from an unusual location	medium	newAlert	2517728662831264282_4a0555ab-14fe-4d8c-97be-f368f0825b35
2021-08-20T04:42:24.8735717Z	[SAMPLE ALERT] Kubernetes events deleted (Preview)	medium	newAlert	2517728663271264282_e4190ac7-2754-4eaa-beb5-5d3e24e1ae2d
2021-08-20T04:42:24.8735717Z	[SAMPLE ALERT] High volume of operations in a Key Vault	medium	newAlert	2517728662631264282_32ecc7af-91be-4b28-9ac5-511a271073d2
2021-08-20T04:42:24.8735717Z	[SAMPLE ALERT] Suspicious policy change and secret query in a Key Vault	medium	newAlert	2517728662671264282_e5953fcb-640c-41d1-a685-ec5bd18f05a7

10. **Update Alert Comment**
    Action capability for adding/updating comment feild of the security alert.
    - Rollback: No
    - Duplicate Control: No

The following table presents the update alert comments action capability details:

Input Parameter	Description	Type	Scope Restricted (Yes/ No)	Required (Yes/ No)
Integration	Name of the third party integration.	Integration	N/A	Yes
Alert ID	Alert ID on Azure Security Center.	String	No	Yes
Alert Comment	Comment to be added to security alert.	String Closed in IPC Closed in MCAS	No	Yes

Output:

Case Scope: N/A

Human Readable Output: N/A

11. **Update Alert Feedback**
Action capability for adding/updating feedback feild of the security alert.
    - Rollback: No
    - Duplicate Control: No
    The following table presents the update alert feedback action capability details:

Input Parameter	Description	Type	Scope Restricted (Yes/ No)	Required (Yes/ No)
Integration	Name of the third party integration.	Integration	N/A	Yes
Alert ID	Alert ID on Azure Security Center.	String	No	Yes
Alert Feedback	Comment to be added to security alert.	String Benign Positive False Positive True Positive Unknown	No	Yes

Output:

Case Scope: N/A

Human Readable Output: N/A

12. **Update Alert Status**
Action capability for updating status of the security alert.

- Rollback: No
- Duplicate Control: No

The following table presents the update alert status action capability details:

Input Parameter	Description	Type	Scope Restricted (Yes/ No)	Required (Yes/ No)
Integration	Name of the third party integration.	Integration	N/A	Yes
Alert ID	Alert ID on Azure Security Center.	String	No	Yes
Alert Status	Comment to be added to security alert.	String In Progress New Alert Resolved Unknown	No	Yes

Output:

Case Scope: N/A

Human Readable Output: N/A

Integration Guide for MISP

Integration Overview

The MISP threat sharing platform is a free and open source software helping information sharing of threat intelligence including cyber security indicators.

Integration Capabilities

ArcSight SOAR has the following integration capabilities with MISP.

- File Reputation
- IP Reputation
- URL Reputation
- Get Event
- Add Attribute to Event
- Add Tag to Event
- Create Event
- Create Event with Attribute
- Remove Attribute from Event
- Remove Tag from Event

ArcSight SOAR integrates with MISP to gather, store threat information and can query to IoCs. The capabilities can either be performed automatically within a playbook or manually by an analyst.

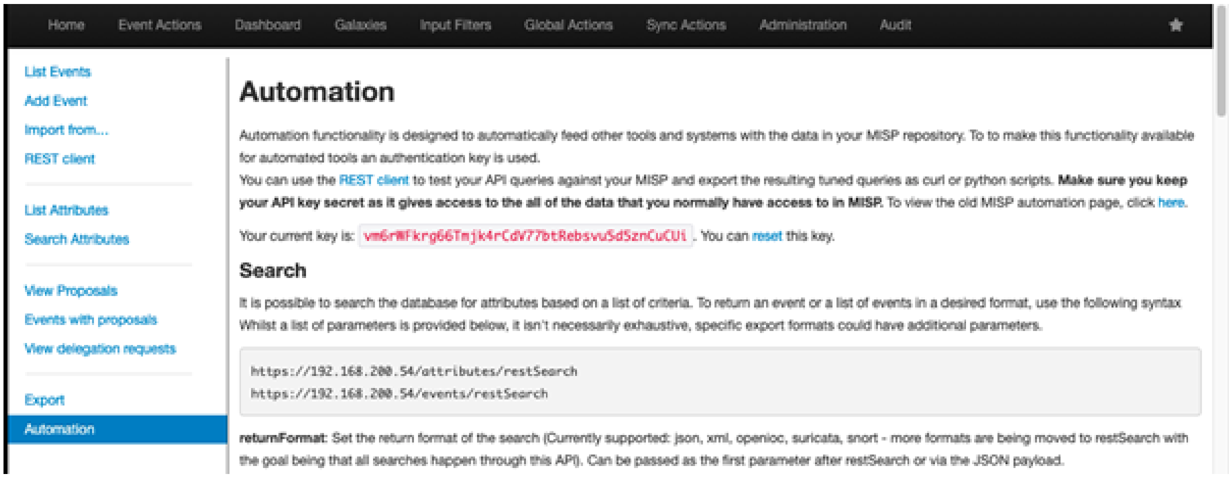
Configuration

Prerequisites

• Access to tcp port 443 as SOAR connects to MISP using HTTPS

• An API key for SOAR to connect to MISP

Note: To gather the API key for SOAR, navigate to **MISP Interface** > **Event Actions** > **Automation**.



Automation

Automation functionality is designed to automatically feed other tools and systems with the data in your MISP repository. To to make this functionality available for automated tools an authentication key is used.

You can use the REST client to test your API queries against your MISP and export the resulting tuned queries as curl or python scripts. **Make sure you keep your API key secret as it gives access to the all of the data that you normally have access to in MISP.** To view the old MISP automation page, click here.

Your current key is: `vm6rWFkrg66Tmjk4rCdV77btRebsvuSd5znCuCUi`. You can reset this key.

Search

It is possible to search the database for attributes based on a list of criteria. To return an event or a list of events in a desired format, use the following syntax Whilst a list of parameters is provided below, it isn't necessarily exhaustive, specific export formats could have additional parameters.

```
https://192.168.200.54/attributes/restSearch
https://192.168.200.54/events/restSearch
```

returnFormat: Set the return format of the search (Currently supported: json, xml, openioc, suricata, snort - more formats are being moved to restSearch with the goal being that all searches happen through this API). Can be passed as the first parameter after restSearch or via the JSON payload.

Configuring SOAR

1. Click **Configuration** > **Credentials** > **Create Credential**.
2. Specify the following parameter values in the **Credential Editor** form:
   a. **Internal Credential**

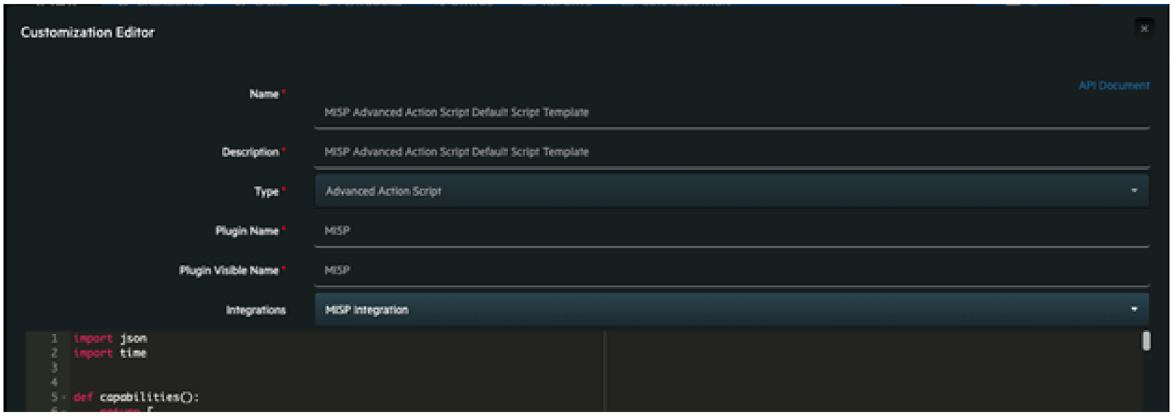
Parameter	Value
Type	Internal Credential
Name	Display name of credential set (For example, MISP Credentials)
Username	Empty
Password	Empty
Private Key	API Key retrieved from the MISP

3. Click **Configuration** > **Integrations** > **Create Integration**.
4. Specify the following parameter values in the **Configuration form**:

Parameter	Value
Name	Display name of MISP integration on ArcSight SOAR
Type	MISP
Address	Address of the cloud service, in the following format: https://<misp_ environement_ip>
Credential	Name of the credential set created in the previous step(For example, MISP Credentials)

Parameter	Value
Trust Invalid SSL Certificates	Not Applicable
Require Approval From	Select users from the list who can provide approval before executing enrichments on the integration
Notify	Select users from the list to notify when SOAR performs an enrichment on the integration

5. Click **Save** to complete the integration.
6. Navigate to **Configuration** > **Customization Library**.
7. In the **Customization Editor**, Edit **MISP Advanced Action Script Default Script Template** and for the **Integrations** field select the integration you saved (for example, MISP Integration).



Customization Editor

Name *	MISP Advanced Action Script Default Script Template
Description *	MISP Advanced Action Script Default Script Template
Type *	Advanced Action Script
Plugin Name *	MISP
Plugin Visible Name *	MISP
Integrations	MISP Integration

```
import json
import time


def capabilities():
```

8. Navigate to **Configuration** > **Integrations**.
9. Click **Edit** for the MISP integration you created.
10. Click **Test** to test the integration.

Integration Guide for MxToolBox

Integration Overview

MxToolBox is a service that helps customers to make a query for domains and run the lookups.

Integration Capabilities

ArcSight SOAR has the following integration capabilities with MxToolBox:

- Domain Blacklist Check
- Domain MX Check

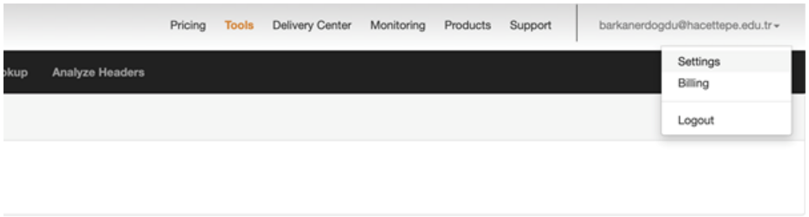
Prerequisites

You must have access to HTTPS as the ArcSight SOAR connects to MxToolBox API through this service.

Configuration

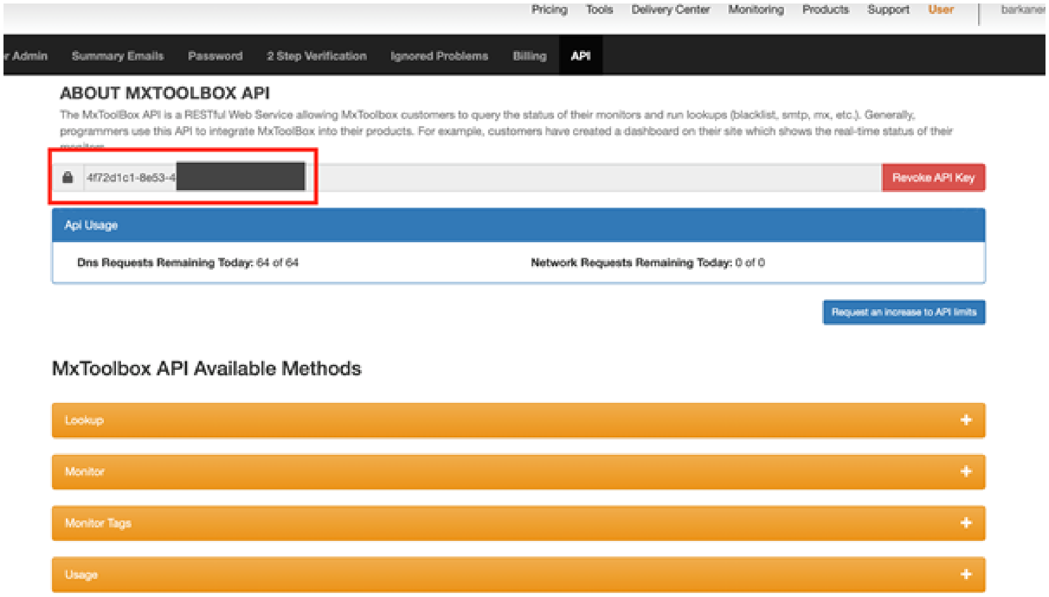
Configuring MxToolBox

1. Login to MxToolBox and navigate to **Settings**, as shown in the following figure:



2. Click **Automation API Access Settings** in the Setting and add a new application.

3. Click **API Tab** and note the **API Key** to use on SOAR as shown in the following figure:



ABOUT MXTOOLBOX API

The MxToolBox API is a RESTful Web Service allowing MxToolbox customers to query the status of their monitors and run lookups (blacklist, smtp, mx, etc.). Generally, programmers use this API to integrate MxToolBox into their products. For example, customers have created a dashboard on their site which shows the real-time status of their monitors

4f72d1c1-8e53-4[redacted]

Dns Requests Remaining Today: 64 of 64

Network Requests Remaining Today: 0 of 0

MxToolbox API Available Methods

Configuring SOAR

1. Click **Configuration** > **Credentials** > **Create Credential**.
2. Specify the following parameter values in the **Credential Editor**

Type	Name	Username	Password	Private Key
Internal credential	Display name of credential set (for example, MxToolBox Credential).			API Key that is noted from the service

3. Click **Configuration** > **Integrations** > **Create Integration**.
4. Specify the following parameter values in the **Configuration Form**.

Parameter	Value
Name	Display name of MxToolBox integration on SOAR.
Type	MxToolBox
Address	https://mxtoolbox.com
proxy.id	ID of the Proxy integration if you access mxtoolbox.com through a web proxy device. For Example: proxy.id = 12345.
Credential	Name of the credential set created on step 2(For example, MxToolBox Credentials).

Parameter	Value
Trust Invalid SSL Certificates	The SSL certificate of MxToolBox service is going to known by SOAR, so you do not need to check this box.
Required Approval From	Select users from the list who can provide approval before executing actions on this integration.
Notify	Select users from the list to notify when SOAR performs an action on this integration.

5. Click **Save** to save the integration definition.
6. Navigate to **Configuration** > **Customization Library** > **Open MxToolBox Script**
7. Select integration that is created at step 4 for **Integrations** field.
8. Click **Save** to complete the integration.
9. Click **Test**, an **Integration Successful** message is displayed if the credential and address are valid.

Capabilities

1. **Domain Blacklist Check**
   Enrichment capability for retrieving blacklist domain information.

   The following table provides the **Domain Blacklist Check** enrichment capability details:

Input Parameter	Description	Type	Scope Restricted (Yes/ No)	Required (Yes/ No)
Domain	Domain that you want to query.	Host	Yes	Yes
Integration	Name of the integration.	Integration	N/A	Yes

   Output:

   Case Scope: N/A

   Human Readable Output: Yes

2. **Domain MX Check**
   Enrichment capability for retrieving MX record information.

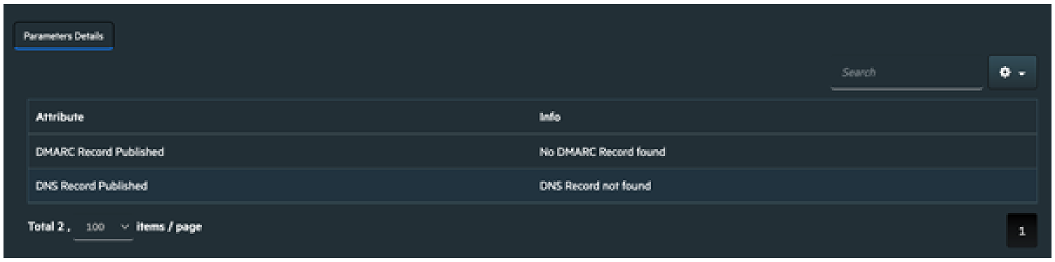
   The following table provides the **Domain MX Check** enrichment capability details:

Input Parameter	Description	Type	Scope Restricted (Yes/ No)	Required (Yes/ No)
Domain	Domain that you want to query.	Host	Yes	Yes
Integration	Name of the integration.	Integration	N/A	Yes

   Output:

Case Scope: N/A

Human Readable Output:



Attribute	Info
DMARC Record Published	No DMARC Record found
DNS Record Published	DNS Record not found

Integration Guide for Ones BioAffix

Integration Overview

Ones BioAffix is a biometric single sign on (Biometric SSO) and biometric identity verification solution which lets organizations to manage their physical security and access. This integration has been tested with Ones BioAffix 4.20.10.1 version.

Integration Capabilities

ArcSight SOAR has the following integration capability with Ones BioAffix:

- Change User Status (Block & Unblock)
- User Details (Info & Logs)

Use Case: Blocking Suspicious Employees

Integrated with Ones BioAffix ATAR lets users to investigate suspicious employee traffic through building and block access if needed. This can be performed automatically within a playbook or manually by an analyst.

Configuration

Prerequisites

- SOAR connects to Ones BioAffix API via HTTPS. Typically it runs on 8443/tcp* port. So access to this service is required.
- Credentials of administrator is required for SOAR to connect Ones BioAffix.

Configuration on Ones BioAffix

- No specific configuration is needed on Ones BioAffix server.

Configuring SOAR

1. Navigate **Configuration** > **Credentials** and click **Create Credential**.
2. Fill the Credential Editor form as follows:

   a. Internal Credential:

Type: Internal credential.

Name: Display name of credential set (i.e., Ones BioAffix Credentials)

Username: Administrator username you have on Ones BioAffix.

Password: Password for the administrator user you have on Ones BioAffix.

Private Key: Empty.

b. Credential Store:

Type: External credential.

Name: Name of the credential with pull path of the safe on store.

3. Navigate to **Configuration** > **Integrations** and click **Create Integration**.
4. Fill the configuration form as follows:

   Name: Display name of Ones BioAffix integration on ATAR.

   Type: Ones BioAffix Server.

   Address: Address of the integration (the format should be https://192.168.12.77:8443).

   Credential: Name of the credential set you've just created on step 2. (i.e., Ones BioAffix Credentials).

   Trust Invalid SSL Certificates: Select this if Engine's certificate is self-signed or not recognized by browsers.

   Require Approval From: Select user(s) from list to ask her/his approval before executing actions on this integration.

   Notify: Select user(s) from the list to notify when ATAR performs an action on this integration.
5. Click the **Test** button.
6. Click **Save** to complete integration.

Additional Notes

Due to API behaviour of Ones BioAffix integration, "Date of Birth", "Phone" and "Profile Photo" of users should be set to execute actions.

Integration Guide for Palo Alto Networks AutoFocus

Integration Overview

Palo Alto Networks AutoFocus is a threat intelligence platform which allows to search attack indicators and access to details of them. AutoFocus provides the intelligence, analytics, and context required to understand which attacks require immediate response and take decisive action to prevent future attacks.

Integration Capabilities

ArcSight SOAR has the following integration capabilities with Palo Alto Networks AutoFocus:

- Search Email Address
- Search File Hash
- Search File Name
- Search IP Address
- Search URL

Use Case: Investigating Phishing Campaigns

SOAR integrates with Palo Alto Networks AutoFocus to search attack indicators. SOAR can follow email inboxes for user's phishing reports and automatically creates an incident record on its service desk. During the investigation of the attack SOAR can extract the sender address, IP address, files in the attachment and ask these indicators to Palo Alto Networks AutoFocus if this is a known attack and previously analyzed. This can be performed automatically within a playbook or manually by an analyst.

Configuration

Prerequisites

- SOAR connects to Palo Alto Networks AutoFocus API via HTTPS. Access (https://autofocus.paloaltonetworks.com (443/tcp port) is required.
- An API key is required for SOAR to connect Palo Alto Networks AutoFocus.

Configuration on Palo Alto Networks AutoFocus

No specific configuration is needed. Login to https://autofocus.paloaltonetworks.com and note the API key under **Settings** > **General** menu.

Configuring SOAR

1. Navigate **Configuration** > **Credentials** and click **Create Credential**.
2. Fill the Credential Editor form as follows:

   a. Internal Credential:

   Type: Internal credential.

   Name: Display name of credential set (i.e., PAN AutoFocus Credential).

   Username: Empty.

   Password: API Key.

   Private Key: Empty.

   b. Credential Store:

   Type: External Credential.

   Name: Name of the credential with pull path of the safe on store.
3. Navigate **Configuration** > **Integrations** and click **Create Integration**.
4. Fill the configuration form as follows:

   Name: Display name of Palo Alto Networks AutoFocus integration on SOAR.

   Type: Palo Alto Networks AutoFocus.

   Address: Address of the integration (https://autofocus.paloaltonetworks.com).

   Credential: Name of the credential set you've just created on step 2. (i.e., PAN AutoFocus Credential).

   Configuration: You need to specify the following configuration parameters

   ```
   # Integration ID of the proxy integration to use when connecting to
   # current integration.
   # If not provided, SOAR will try to use a direct connection.
   #proxy.id=123
   # configure how far (in minutes) into the past this enrichment will look.
   # cache.reusing.duration=20
   ```

   Trust Invalid SSL Certificates: Select this if Engine's certificate is self-signed or not recognized by browsers.

Require Approval From: Select user(s) from list to ask approval before executing actions on this integration.

Notify: Select user(s) from the list to notify when SOAR performs an action on this integration.

5. The **EnrichmentFixedDelay** configuration parameter value must be set to less than 120 seconds because of AutoFocus' requirement. Otherwise AutoFocus API cookie will be expired.
6. Click the **Test** button.
7. Click **Save** to complete integration.

Integration Guide for Palo Alto Networks Firewall

Integration Overview

Palo Alto Networks Next Generation Firewall is a security technology that combines firewall, antivirus, intrusion prevention, and virtual private network (VPN) capabilities to provide proactive threat defense that stops attacks before they spread through the network. This integration has been tested with Palo Alto Networks NGFW 9.0.1 version.

Integration Capabilities

ArcSight SOAR has the following integration capabilities with Palo Alto Firewall (API):

- Block IP
- Block Host
- Block URL
- Disconnect

Use Case: Blocking access to malicious IP addresses and hosts

Integrated with Palo Alto Networks NGFW, SOAR blocks malicious IP addresses and hosts on perimeter while responding cyber-attacks. Blocking can be performed automatically within a playbook or manually by an analyst.

Configuration

Prerequisites

- SOAR connects to Palo Alto Networks NGFW API via HTTPS. Access to 443/tcp port is required.
- An API key is required for SOAR to connect Palo Alto Networks Firewall.

Configuration on Palo Alto Networks Firewall (API)

1. Navigate Device menu and create a new Admin Role for SOAR. New role must be restricted to only specific XML API operations. Only required permissions are: "Configuration", "Operational Requests" and "Commit".
2. Do not forget to disable all Web UI and Command Line permissions since they are unnecessary.
3. Create an Administrator account with SOAR API Role you have created in first step.
4. Navigate to Objects > Address Groups and add an address group for IPs to be populated by SOAR actions.
5. Similarly add an address group for hosts/FQDNs to be populated by SOAR.
6. Navigate ****Objects** > **Custom** Objects and add a Custome URL Category to be populated by SOAR.
7. Commit all changes.
8. To obtain API key run the following request from command line.

   ```
   curl -k -X GET 'https://PaloAlto_NGFW_IP/api/?type=keygen& \
   user=atarapi&password=password'
   ```

Configuring SOAR

1. Navigate **Configuration** > **Credentials** and click **Create Credential**.
2. Fill the Credential Editor form as follows:

   a. Internal Credential:

   Type: Internal credential.

   Name: Display name of credential set (i.e., Palo Alto Firewall Credential).

   Username: User you have created for SOAR on Palo Alto NGFW.

   Password: Password of the user you have created for SOAR on Palo Alto NGFW.

Private Key: API Key you have created for SOAR.

b. Credential Store:

Type: External credential.

Name: Name of the credential with pull path of the safe on store.

3. Navigate **Configuration** > **Integrations** and click **Create Integration**.
4. Fill the configuration form as follows:

   Name: Display name of Palo Alto Networks Firewall integration on SOAR.

   Type: Palo Alto Networks Firewall (API)

   Address: Address of the integration (the format should be https://192.168.2.78).

   Credential: Name of the credential set you've just created on step 2. (i.e., Palo Alto Firewall Credential).

   Trust Invalid SSL Certificates: Select this if web UI's certificate is self-signed or not recognized by browsers.

   Configuration: You need to specify the following configuration parameters.

   ```
   # Address group to use when blocking IP addresses.
   # This address group should be created in Palo Alto device before use.
   addressgroup.ip=ATAR_BLOCK_IP
   # Address group to use when blocking host names.
   # This address group should be created in Palo Alto device before use.
   addressgroup.host=ATAR_BLOCK_HOST
   # Custom URL category to use when blocking URLs.
   # This custom URL category should be created in Palo Alto device before
   use.
   custom.url.category=ATAR_BLOCK_URL
   ```

   Require Approval From: Select user(s) from list to ask her/his approval before executing actions on this integration.

   Notify: Select user(s) from the list to notify when SOAR performs an action on this integration.
5. Click on the Test button.
6. Click **Save** to complete integration.

Additional Notes

Palo Alto Networks NGFW integration supports multiple "vsys". If your firewall has more than one "vsys" SOAR will ask you to choose one while taking action.

Integration Guide for Palo Alto Networks Panorama

Integration Overview

The Panorama management server provides centralized monitoring and management of multiple Palo Alto Networks next-generation firewalls and of WildFire appliances and appliance clusters. This integration has been tested with Palo Alto Network Panorama 8.1.0 version.

Integration Capabilities

ArcSight SOAR has the following integration capabilities with Palo Alto Networks Panorama:

- Block IP address
- Block Host
- Block URL

Use Case: Blocking malicious IP addresses on multiple firewall appliances

With this integration, SOAR can block malicious IP addresses, hosts and URL addresses on multiple firewall devices simultaneously while responding cyber-attacks. This can be performed automatically within a playbook or manually by an analyst.

Configuration

Prerequisites

- SOAR connects to Palo Alto Networks Panorama API using HTTPS. Access to 443/tcp port is required.
- An API key is required for SOAR to connect Palo Alto Networks Panorama.
- If users want to use multiple devicegroup, they should write devicegroup names comma separated, for ex: Ankara, Istanbul, Izmir

Configuration on Palo Alto Networks Panorama

1. Navigate to **Panorama** menu and create a new Admin Role for SOAR. The new role should be

restricted to only specific XML API operations. Only required permissions are: "Configuration", "Operational Requests" and "Commit". Do not forget to disable all Web UI and Command Line permissions since they are unnecessary.

2. Create an Administrator account with **Custom Panorama Admin** type and SOAR API Role you have created in first step.
3. Commit all changes.
4. In order to obtain API key run the following request from command line.

```
curl -k -X GET 'https://Panorama_IP/api/?type=keygen& \
user=atarapi&password=password'
```

Configuration on SOAR

1. Navigate **Configuration** > **Credentials** and click **Create Credential**.
2. Fill the Credential Editor form as follows:

   a. Internal Credential:

   Type: Internal credential.

   Name: Display name of credential set (i.e., PAN Panorama Credential).

   Username: Empty.

   Password: Empty.

   Private Key: API Key you have created for SOAR.

   b. Credential Store:

   Type: External credential.

   Name: Name of the credential with pull path of the safe on store.
3. Navigate **Configuration** > **Integrations** and click **Create Integration**.
4. Fill the configuration form as follows:

   Name: Display name of Palo Alto Networks Panorama integration on SOAR.

   Type: Palo Alto Networks Panorama.

   Address: Address of the integration (https://10.0.2.254).

   Credential: Name of the credential set you’ve just created on step 2. (i.e., PAN Panorama Credential).

   Trust Invalid SSL Certificates: Select this if Engine’s certificate is self-signed or not recognized by browsers.

   Configuration: You need to specify the following configuration parameters.

```
# Device group to use when adding and address object.
# This device group should be created in Palo Alto device before use.
# If users want to use multiple devicegroups, they should write
devicegroup
# names comma separated, for ex: Ankara, Istanbul, Izmir
devicegroup.name=HeadQuarters
# Address group to use when blocking IP addresses.
# This address group should be created in Palo Alto device before use.
addressgroup.ip=ATAR_BLOCK_IP
# Address group to use when blocking host names.
# This address group should be created in Palo Alto device before use.
addressgroup.host=ATAR_BLOCK_HOST
# Custom URL category to use when blocking URLs.
# This custom URL category should be created in Palo Alto device before
use.
custom.url.category=ATAR_BLOCK_URL
```

Require Approval From: Select user(s) from list to ask her/his approval before executing actions on this integration.

Notify: Select user(s) from the list to notify when SOAR performs an action on thisintegration.

5. Click the **Test** button.
6. Click **Save** to complete integration.

Integration Guide for Recorded Future

Integration Overview

Recorded Future is a threat intelligence service which collects and analyzes vast amounts of data to deliver relevant cyber threat insights in real time.

Integration Capabilities

ArcSight SOAR has the following integration capabilities with Recorded Future:

- Lookup Domain
- Lookup Hash
- Lookup IP Address
- Lookup URL
- Lookup Vulnerability
- Search Entity Lists
- Search Malware

Use Case: Investigating Phishing Campaigns

SOAR is integrated with Recorded Future, to help investigation and mitigation of phishing campaigns. When a phishing report email comes from user, SOAR extracts the indicators such as IP address, URLs and attachments in message and a new incident is created on SOAR’s own Incident Management Service Desk. SOAR then asks these indicators to Recorded Future if this is a known attack and previously analyzed. This can be performed automatically within a playbook or manually by an analyst.

Configuration

Prerequisites

- SOAR connects to Recorded Future API via HTTPS. Access to https://api.recordedfuture.com/v2/ (443/tcp port) is required.
- An API key is required for SOAR to connect Recorded Future service.

Configuration on Recorded Future

Login to https://api.recordedfuture.com/v2/ and create a new API key under user Settings > API Access menu and note the API Key and API Password generated. This token is required by SOAR to access the platform for queries.

Configuring SOAR

1. Navigate **Configuration** > **Credentials** and click **Create Credential.**
2. Fill the Credential Editor form as follows:

   a. Internal Credential:

   Type: Internal credential.

   Name: Display name of credential set (i.e., Recorded Future Credentials).

   Username: API Key you have created on Recorded Future.

   Password: API Password for the key you have created on Recorded Future.

   Private Key: Empty.

   b. Credential Store:

   Type: External credential.

   Name: Name of the credential with full path of the safe on store.
3. **Navigate Configuration > Integrations and click Create Integration.**
4. Fill the configuration form as follows:

   Name: Display name of Recorded Future integration on SOAR.

   Type: Recorded Future.

   Address: Address of the integration (https://api.recordedfuture.com/v2/).

   Configuration: You need to specify the following configuration parameters.

   ```
   # Integration ID of the proxy integration to use when connecting to
   # current integration.
   # If not provided, SOAR will try to use a direct connection.
   #proxy.id=123
   # configure how far (in minutes) into the past this enrichment will look.
   #cache.reusing.duration=20
   ```

   Credential: Name of the credential set you’ve just created on step 2. (i.e., Recorded Future Credentials)

   Trust Invalid SSL Certificates: No need to select.

Require Approval From: Select user(s) from list to ask her/his approval before executing actions on this integration. Since SOAR only executes enrichments on Recorded Future, leave it empty.

Notify: Select user(s) from the list to notify when SOAR performs an action on this integration. Since SOAR only executes enrichments on Recorded Future, leave itempty.

5. Click on the **Test** button.
6. Click **Save** to complete integration.

Integration Guide for Robtex Lookup

1. Integration Overview

Robtex is used for various kinds of research of IP numbers, domain names, etc.

Robtex uses various sources to gather public information about IP numbers, domain names, host names, Autonomous systems,routes, etc. It indexes the data in a big database and provide free access for the data

2. Integration Capabilities

Action

Lookup

Configuration

Configuration on Robtex Lookup

SOAR connects to Robtex Lookup integrations via HTTPS. Therefore ATAR should be able to connect this service.

Configuring SOAR

1. While creating this integration via Integrations tab of Configuration menu:

   Name: Display name of Robtex lookup integration on SOAR.

   Type: Robtex lookup.

   Address: Address of the integration (the address should be https://www.robtex.com).

   Configuration: You need to specify the following configuration parameters

   ```
   # Integration ID of the proxy integration to use when connecting to
   # current integration.
   # If not provided, ATAR will try to use a direct connection.
   #proxy.id=123
   ```

```
# configure how far (in minutes) into the past this enrichment will look.
#cache.reusing.duration=20
```

Credential: Name of the credential set.

Trust Invalid SSL Certificates: Select this if Engine’s certificate is self-signed or not recognized by browsers.

Require Approval From: Select user(s) from list to ask her/his approval before executing actions on this integration.

Notify: Select user(s) from the list to notify when ATAR performs an action on this integration.

2. Click the **Test** button.
3. Click **Save** to complete integration.

Integration Guide for Roksit DNS Firewall

Integration Overview

Roksit DNS Firewall is cloud-based cybersecurity service which provides web security and application control by analyzing DNS traffic.

Integration Capabilities

ArcSight SOAR has the following integration capability with Roksit DNS Firewall:

- Block hostname

Use Case: Blocking malicious hosts on DNS

With this integration, SOAR can block malicious hostnames on Roksit DNS Firewall service while responding cyber-attacks. This can be performed automatically within a playbook or manually by an analyst.

Configuration

Prerequisites

- SOAR connects to Roksit DNS Firewall API via HTTPS. So access to https://api.roksit.com (443/tcp port) is required.
- An API key is required to be created for SOAR to connect to Roksit DNS Firewall. Please contact to service provider.

Configuration on Roksit DNS Firewall

- No further configuration is needed.

Configuring SOAR

1. Navigate to **Configuration** > **Credentials** and click **Create Credential.**
2. Fill the Credential Editor form as follows:

   a. Internal Credential:

   Type: Internal credential.

Name: Display name of credential set (i.e., Roksit DNS FW Credentials).

Username: Empty.

Password: API Key you have obtained from Roksit.

Private Key: Empty.

b. Credential Store:

Type: External credential.

Name: Name of the credential with pull path of the safe on store.

3. **Navigate to Configuration > Integrations and click Create Integration.**
4. Fill the configuration form as follows:

   Name: Display name of Roksit DNS Firewall integration on SOAR

   Type: Roksit DNS Firewall

   Address: Address of the integration (address should be https://api.roksit.com).

   Credential: Name of the credential set you've just created on step 2. (i.e., Roksit DNS FW Credentials)

   Trust Invalid SSL Certificates: Select this if Engine's certificate is self-signed or not recognized by browsers.

   Require Approval From: Select user(s) from list to ask her/his approval before executing actions on this integration.

   Notify: Select user(s) from the list to notify when SOAR performs an action on this integration.
5. Click **Save** to complete integration.
6. Click **Test** to test the integration.

Additional Notes

- Roksit DNS Firewall integration on SOAR is defined as Advanced Action Script and content of the default script is accessible under **Configuration** > **Customization Library**.
- While defining the integration first time, you get a warning message as follows. For this type of integration this is the expected behaviour.

Integration Guide for RSA Security Analytics

Integration Overview

RSA Security Analytics provides real-time visibility into network traffic with full packet capture—on premises, in the cloud and across virtual infrastructure. It helps to detect threats as they traverse in the network, monitor the timing and movement of attackers across the network and reconstruct entire network sessions to support forensic investigations. This integration has been tested with RSA Security Analytics 11.0.0.0 version.

Integration Capabilities

ArcSight SOAR has the following integration capabilities with RSA Security Analytics:

- Network Packet Capture (Time range)
- Network Packet Capture (Relative time)

Use Case: Investigating suspicious cases using packet captures

SOAR integrates with RSA Security Analytics to collect full packet capture for a given timeframe.During the investigation of an incident, SOAR can gather packet-capture from RSA Security Analytics with specified parameters such as offender IP, affected usernames, suspicious end-user machines, etc and put the related pcap file into incident timeline for further analysis and keeping evidence purposes. Collecting pcap files can be performed automatically within a playbook or manually by an analyst.

Configuration

Prerequisites

- SOAR connects to RSA Security Analytics Network Concentrator’s API via HTTP/HTTPS.
- By default API interface works on 50105/tcp port. So access permission to this port is required.
- A user account is required to be created for SOAR to connect to RSA Security Analytics Network Concentrator API.

Configuration on RSA Security Analytics Suite

1. Login to Security Analytics Suite and navigate to **ADMIN** > **Services** and then select **Concentrator** service and open up **Security** View by clicking **Actions** icon.
2. Add a new Role to be used for SOAR user. New role should have at least “sdk.content”,“sdk.manage” and “sdk.meta” permissions".
3. Add a new user with the role you have created in previous step.

Configuring SOAR

1. Navigate **Configuration** > **Credentials** and click **Create Credential**.
2. Fill the Credential Editor form as follows:

   a. Internal Credential:

   Type: Internal credential.

   Name: Display name of credential set (i.e., RSA Security Analytics Credential).

   Username: Username you have created for SOAR on RSA Security Analytics Suite.

   Password: Password of the user you have created for SOAR on RSA Security Analytics Suite.

   Private Key: Empty.

   b. Credential Store:

   Type: External credential.

   Name: Name of the credential with pull path of the safe on store.
3. Navigate **Configuration** > **Integrations** and click **Create Integration**.
4. Fill the configuration form as follows:

   Name: Display name of RSA Security Analytics integration on SOAR.

   Type: RSA Security.

   Address: Address of the integration (the format should be http[s]://192.168.1.10:50105 or http[s]://abc.example.com:50105).

   Credential: Name of the credential set you’ve just created on step 2. (i.e., RSA Security Analytics Credential)

   Trust Invalid SSL Certificates: Select this if device’s certificate is self-signed or not recognized by browsers.

   Require Approval From: Select user(s) from list to ask her/his approval before executing actions on this integration.

Notify: Select user(s) from the list to notify when SOAR performs an action on thisintegration.

5. Click the **Test** button.
6. Click **Save** to complete integration.

Integration Guide for SailPoint

Integration Overview

SailPoint's Identity Security product provides a comprehensive platform for managing and governing accounts, roles, and entitlements across applications, systems, data, and cloud services. It enables organizations to identify risks, monitor behaviors, and refine roles, while providing visibility into access across the entire organization.

Integration Capabilities

ArcSight SOAR has the following integration capabilities with SailPoint:

- Disable Account
- Enable Account
- Get Account Activity
- Get Account Details
- Get Account Entitlements
- Get Account IDs

Configuration

Configuring on SailPoint

- SailPoint requires a **Client ID** and **Client Secret** with the ORG_ADMIN role for access.
- Users with the ORG_ADMIN role can create a **Client ID** and **Client secret** from https://{tenant_ name}.api.identitynow.com after logging in with valid credentials.

Configuring SOAR

1. Click **Configuration** > **Credential** > **Create Credential**.
2. Specify the following parameter values in the **Credential Editor:**

Type	Name	Username	Password	Private Key
Internal Credential	Display name of credential set (for example, SailPoint Credentials).	Empty	Client ID	Client Secret

3. Click **Configuration** > **Integrations** > **Create Integration**.
4. Specify the following parameter values in the **Configuration Form:**

Parameter	Value
Name	Display name of SailPoint integration on SOAR
Type	Advanced Scriptable Device
Address	https://{tenant_name}.api.identitynow.com

Configuratio n	Specify the following configuration parameter values:
	`# Integration ID of the proxy integration to use when connecting to current integration.`
	`# If not provided, ArcSight SOAR will try to use a direct connection.`
	`#proxy.id=123`
	`# Maximum number of results to return from the API.`
	`# If not provided, the integration will gather all results.`
	`#max.result.count = 100`

Credential	Name of the credential set created in step 2. (i.e. SailPoint Credentials).
Trust Invalid SSL Certificates	Select this if Engine's certificate is self-signed or not recognized by browsers. Not selected.
Require Approval From	Select user(s) from list to ask their approval before executing enrichment on this integration.
Notify	Select user(s) from the list who can provide approval when SOAR performs an enrichment on this integration.

5. Click **Test**, an **Integration Successful** message is displayed if the credential and address are valid.
6. Click **Save**.

Capabilities

1. **Disable Account**
   Action capability for disabling an account.

   The following table presents the **Disable Account** action capabilities details:

Input Parameter	Description	Type	Scope Restricted (Yes/No)	Required (Yes/No)
Account ID	ID of the account	Keyword, Unknown	Yes	Yes

   Output:

   N/A

   Human Readable Output

   N/A

2. **Enable Account**
   Action capability for enabling an account.

   The following table presents the **Enable Account** action capabilities details:

Input Parameter	Description	Type	Scope Resticted (Yes/No)	Required (Yes/No)
Account ID	ID of the account	Keyword, Unknown	Yes	Yes

   Output:

   Case Scope

   N/A

   Human Readable Output

   N/A

3. **Get Account Activity**
   Enrichment capability for getting account activity.

   The following table presents the **Get Account Activity** enrichment capabilities details:

Input Parameter	Description	Type	Scope Restricted (Yes/No)	Required (Yes/No)
Integration	Name of the third party integration	N/A	No	Yes
Username	Identity Username	Unknown, Username, Keyword	Yes	Yes

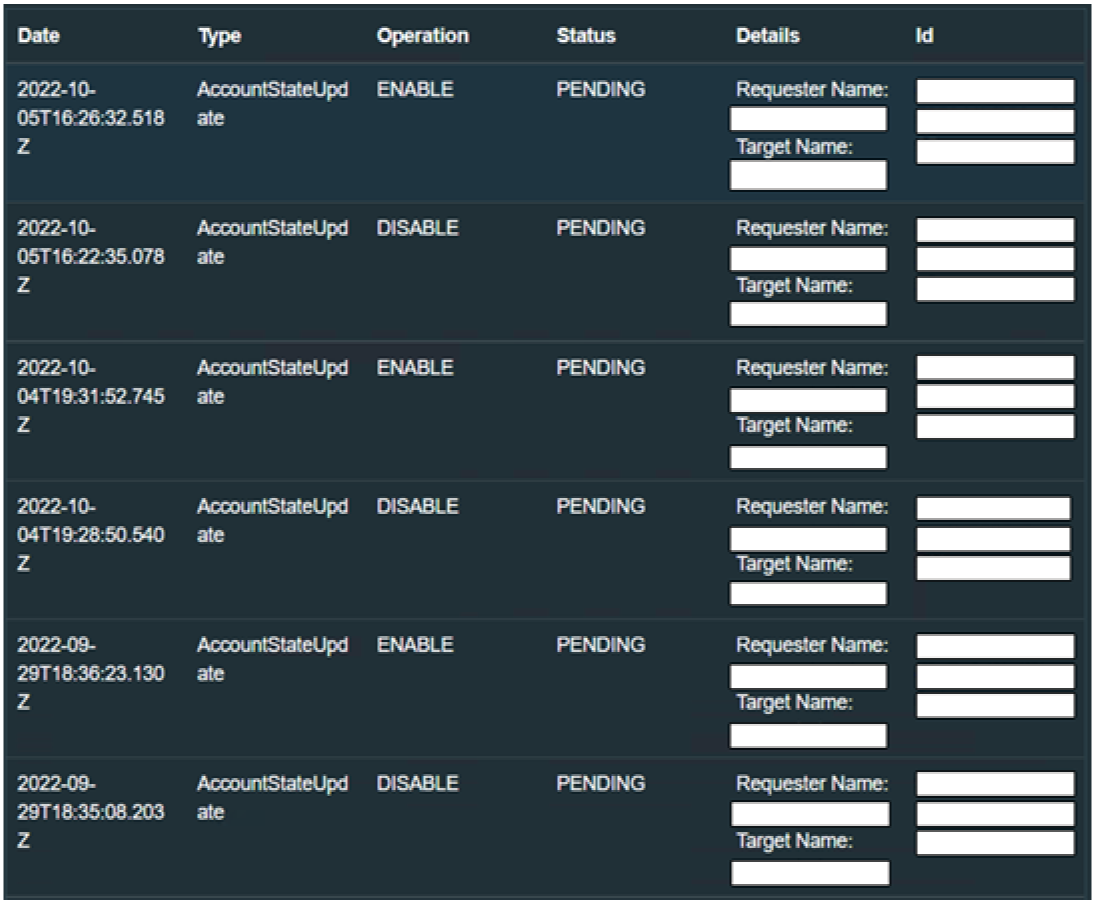
Input Parameter	Description	Type	Scope Restricted (Yes/No)	Required (Yes/No)
Time Range	Time range picker that filters activities by the time they were created	Relative or absolute time from time range picker	No	Yes
Type	Type of account activity	List option from drop down menu: All, Access Request, Account Attribute Update, Account State Update, Attribute Synchronization Refresh, Certification, Cloud Automated, Cloud Password Request, Identity Attribute Update, Identity Refresh, Lifecycle Change Refresh, Lifecycle State Change	No	Yes

Output:

Case Scope

N/A

Human Readable Output



Date	Type	Operation	Status	Details	Id
2022-10-05T16:26:32.518Z	AccountStateUpdate	ENABLE	PENDING	Requester Name: [redacted] Target Name: [redacted]	[redacted]
2022-10-05T16:22:35.078Z	AccountStateUpdate	DISABLE	PENDING	Requester Name: [redacted] Target Name: [redacted]	[redacted]
2022-10-04T19:31:52.745Z	AccountStateUpdate	ENABLE	PENDING	Requester Name: [redacted] Target Name: [redacted]	[redacted]
2022-10-04T19:28:50.540Z	AccountStateUpdate	DISABLE	PENDING	Requester Name: [redacted] Target Name: [redacted]	[redacted]
2022-09-29T18:36:23.130Z	AccountStateUpdate	ENABLE	PENDING	Requester Name: [redacted] Target Name: [redacted]	[redacted]
2022-09-29T18:35:08.203Z	AccountStateUpdate	DISABLE	PENDING	Requester Name: [redacted] Target Name: [redacted]	[redacted]

4. **Get Account Details**

   Enrichment capability for getting account details.

   The following table presents the **Get Account Details** enrichment capabilities details:

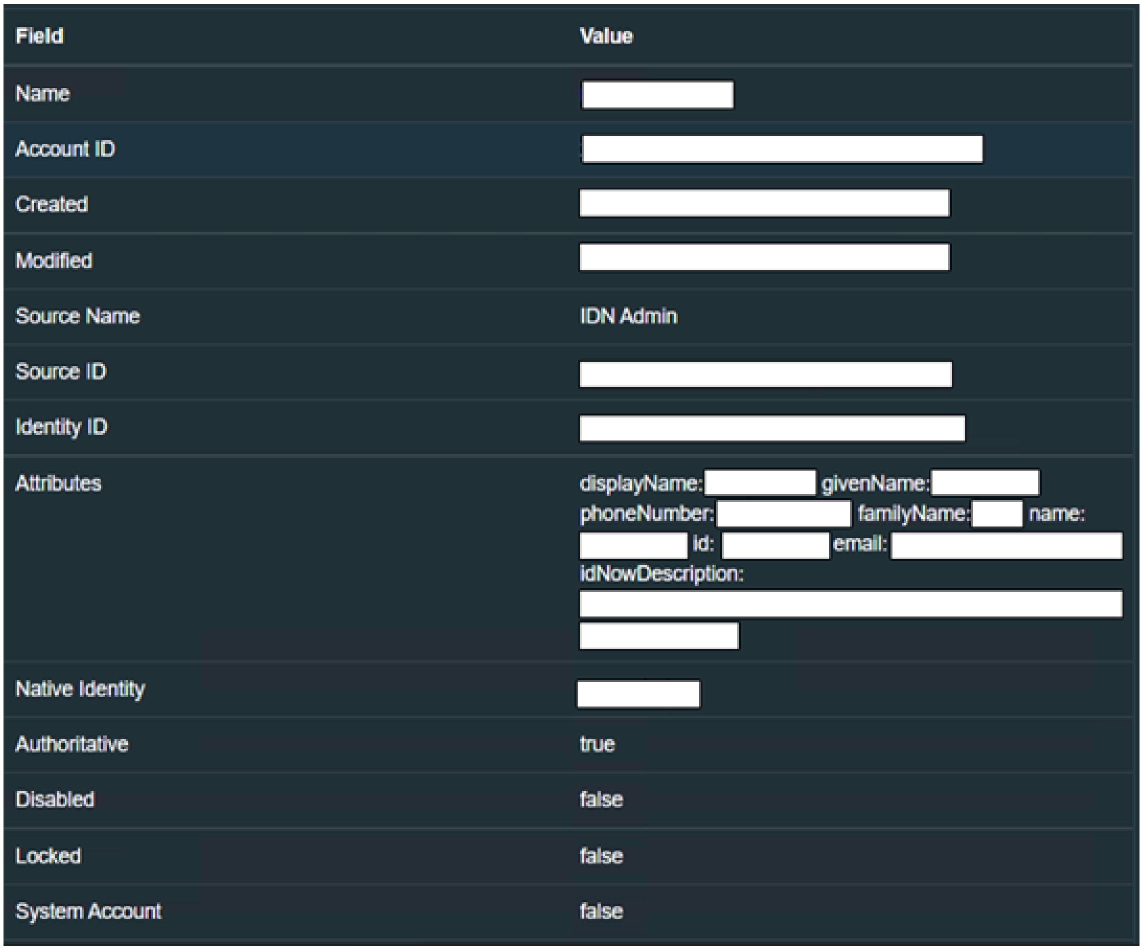
Input Parameter	Description	Type	Scope Restricted (Yes/No)	Required (Yes/No)
Integration	Name of the third-party integration	N/A	No	Yes
Account ID	ID of the account	Unknown, Keyword	Yes	Yes

Output:

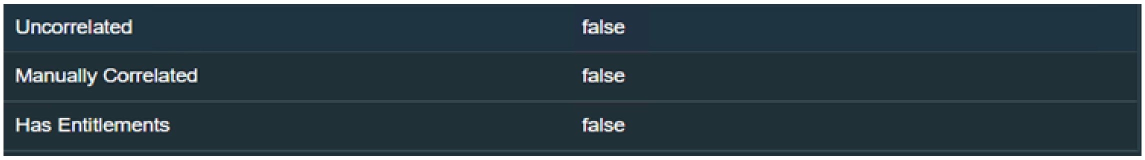
Case Scope

N/A

Human Readable Output



Field	Value
Name	[redacted]
Account ID	[redacted]
Created	[redacted]
Modified	[redacted]
Source Name	IDN Admin
Source ID	[redacted]
Identity ID	[redacted]
Attributes	displayName: [redacted] givenName: [redacted] phoneNumber: [redacted] familyName: [redacted] name: [redacted] id: [redacted] email: [redacted] idNowDescription: [redacted]
Native Identity	[redacted]
Authoritative	true
Disabled	false
Locked	false
System Account	false



Uncorrelated	false
Manually Correlated	false
Has Entitlements	false

5. **Get Account Entitlements**
   Enrichment capability for getting account entitlements.

   The following table presents the **Get Account Entitlements** enrichment capabilities details:

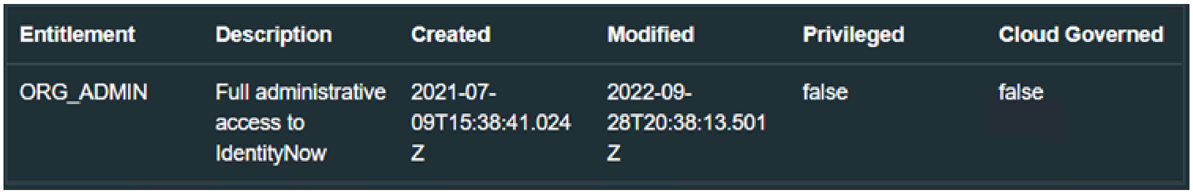
Input Parameter	Description	Type	Scope Restricted (Yes/No)	Required (Yes/No)
Integration	Name of the third party integration	N/A	No	Yes
Account ID	ID of the account	Unknown, Keyword	Yes	Yes

Output:

Case Scope

N/A

Human Readable Output



Entitlement	Description	Created	Modified	Privileged	Cloud Governed
ORG_ADMIN	Full administrative access to IdentityNow	2021-07-09T15:38:41.024Z	2022-09-28T20:38:13.501Z	false	false

6. **Get Account IDs**

Enrichment capability for getting account IDs.

The following table presents the **Get Account IDs** enrichment capabilities details:

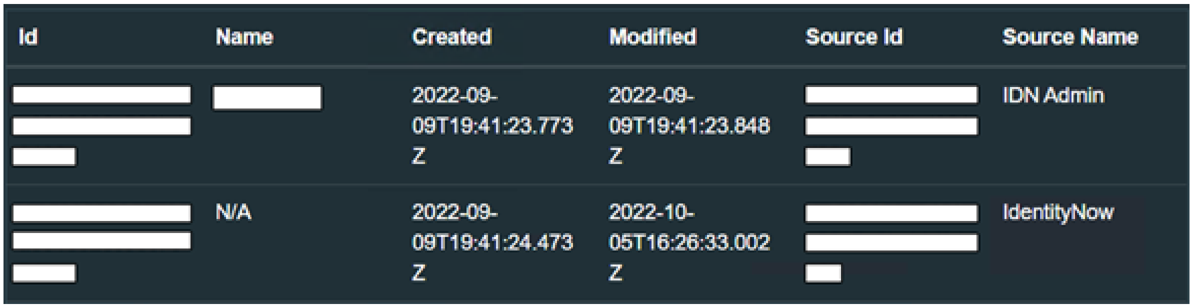
Input Parameter	Description	Type	Scope Restricted (Yes/No)	Required (Yes/No)
Integration	Name of the third party integration	N/A	No	Yes
Username	Identity Username	Unknown, Username , Keyword	Yes	No

Output:

Case Scope

Action	Type	Category/Value
Add	Keyword	Related/ Account ID(s)

Human Readable Output



Id	Name	Created	Modified	Source Id	Source Name
[redacted]	[redacted]	2022-09-09T19:41:23.773Z	2022-09-09T19:41:23.848Z	[redacted]	IDN Admin
[redacted]	N/A	2022-09-09T19:41:24.473Z	2022-10-05T16:26:33.002Z	[redacted]	IdentityNow

Integration Guide for ServiceNow

Integration Overview

ServiceNow allows you to manage digital workflows for enterprise operations.

Integration Capabilities

ArcSight SOAR has the following integration capabilities with ServiceNow:

- Close Incident
- Create Incident
- Update Incident

Prerequisites

You must have access to HTTPS as the ArcSight SOAR connects to ServiceNow API through this service.

Configuration

Configuring ServiceNow

1. Create a REST client on SOAR
   a. Login to SOAR platform.
   b. Navigate **Configurations > REST CLIENTS**.
   c. Create a new **REST client** by providing a description.

> You must take a note of your **Client ID** and **Client Secret** as they would be used as username and password during configuring authentication later.

2. **Create a User**
   a. Login to **ServiceNow** platform.
   b. Navigate to **User Administration** > **User**.

c. Click **New** to create a new user and specify the required credentials.Note: This username and password is used during the ArcSight SOAR configuration.

d. Navigate to **User Administration** > **User** and edit the user you created newly to assign an admin role.

3. **Create Rest Messages**

a. Navigate to **System Web Services > Outbound > REST Message**.

b. Click **New** to create message and specify the following details in the form:

Form Fields	Values
Name	SOAR REST API Requests
Description	SOAR REST API Requests
Endpoint	<itom_host_url>/soar-api/api/v1
Authentication tab	
Authentication type	Basic
Basic Auth Profile	soar credential

c. Click the Lookup icon to setup Basic Authentication.

d. Click **New** and specify the following parameters:

Form Fields	Values
Username	Client ID
Password	Client secret

e. Click **Submit** and select the newly created **Basic auth profile**.

f. Navigate to **System Web Services** > **Outbound** > **REST Message** and select **SOAR REST API Requests**.

g. Click **New** and create following HTTP Methods within REST Messages:

i. **Update Case on SOAR Method**

Form Fields	**Values**
Rest Message	SOAR REST API Requests
Name	Update Case on SOAR
HTTP Method	Patch
Endpoint	<itom_host_url>/soar-api/api/v1/case/${serialId}
Authentication Tab	
Authentication type	Basic
Basic Auth Profile	SOAR default_profile
HTTP Request Tab	
HTTP Headers Section	
Name	**Value**
Content-Type	application/json
HTTP Query Parameters Section	
Content	${changes}

Specify the following details and click **Submit**:

ii. **Add Comment to SOAR Case**

Specify the following details and click **Submit**:

Form Fields	**Values**
Rest Message	SOAR REST API Requests
Name	Add Comment to the SOAR Case
HTTP Method	Post
Endpoint	<itom_host_url>/soar-api/api/v1/case-comment
Authentication Tab	
Authentication type	Basic
Basic Auth profile	SOAR default_profile
HTTP Request Tab	
HTTP Headers Section	
Name	**Value**

Form Fields	Values
Content-Type	application/json
HTTP Query Parameters Section	

Content	`{`
	`"serialid":$(serialid),`
	`"comment":"$(comment)"`
	`}`

4. **Create Event Registry**
    a. Navigate to **Performance Analytics** > **System** > **Event Registry**.
    b. Click **New** to create an event registry and specify the following details in the form:

Form Fields	Values
Event Name	state_change_soar
Table	Incident[incident]

5. **Create Script Action**
    a. Navigate to **Browse System Policy** > **Events** > **Script Actions**.
    b. Click **New** to create script action and specify the following details in the form:

Form Fields	Values
Name	Update Case on SOAR
Event name	state_change_soar
Application	Global
Active	<Mark this checkbox>

Add the following script:

```
try {
r = new sn_ws.RESTMessageV2('SOAR REST API Requests',
'Update Case on SOAR');
updated_fields = JSON.parse(event.parm2);
var serialId = updated_fields["serialId"];
if (updated_fields["caseProperties"] != {}) {
r.setStringParameterNoEscape('changes', JSON.stringify
(updated_fields["caseProperties"]));
r.setStringParameterNoEscape('serialId', serialId);
response = r.execute();
responseBody = response.getBody();
httpStatus = response.getStatusCode();
}
if (updated_fields["caseComment"] != {}) {
```

```
r = new sn_ws.RESTMessageV2('SOAR REST API Requests',
'Add Comment to SOAR Case');
r.setStringParameterNoEscape('serialId', serialId);
var comment = updated_fields["caseComment"]["comment"]
["value"];
r.setStringParameter('comment', comment.replace(/\n/g,
 " "));
response = r.execute();
responseBody = response.getBody();
httpStatus = response.getStatusCode();
}

} catch (ex) {
var message = ex.message;
}
```

6. **Create Business Rules**
   a. Navigate to **System Definition** > **Business Rules**.
   b. Click **New** to create business rule and specify the following details in the form:

Form Fields	Values
Name	soar-rule
Table	Incident[incident]
Application	Global
Active	<Mark this checkbox>
Advanced	<Mark this checkbox>
When to run tab	
When	after
Order	1

Form Fields	**Values**
Update	<Mark this checkbox>
Advanced tab	
Script	Add the following script:

```
if ((current.operation() == 'update' && current.state.changes() ||
current.description.changes()) || current.comments.changes()) {
var currentValues = {
"caseProperties":{},
"caseComment":{},
"serialId": current.short_description.toString().split("-")[0]
};
var previousValues = {
"state": previous.state.getDisplayValue(),
"description": previous.description.getDisplayValue(),
"comments": previous.comments.getJournalEntry(1)
};
if (current.comments.changes()){
currentValues["caseComment"]["comment"] = {"value":
current.comments.getJournalEntry(1)};
}
if (current.state.changes()){
currentValues["caseProperties"]["status"] = {"value":
current.state.getDisplayValue()};
}
if (current.description.changes()){
currentValues["caseProperties"]["description"] = {"value":
current.description.getDisplayValue()};
}
gs.eventQueue('state_change_soar', current, JSON.stringify(previousValues),
JSON.stringify(currentValues));
}
```

c. Click **Submit**.

7. **Import Certificate** (if SOAR has self-signed certificate)

   a. Navigate to System **Definition** > **Certificates**.

   b. Click **New** to create new certificate entry.

   c. Click the attachment icon below to **upload your certificate file**. Run the following command to create the certificate

   ```
   openssl s_client -connect cdfhost:cdfport 2>/dev/null </dev/null |
   sed -ne '/-BEGIN
   CERTIFICATE-/,/-END CERTIFICATE-/p'
   ```

   d. Save the content with .der extension.

Configuring SOAR

1. Click **Configuration** > **Credential** > **Create Credential**
2. Specify the following parameters in the **Credential Editor** form:

Type	Name	Username	Password	Private Key
Internal credential	Display name of credential set (for example, ServiceNow Credentials).	Username of the created user on ServiceNow	Password of the created user on ServiceNow	Empty

   Check the Cleartext Access option.
3. Click **Configuration** > **Lists** > **Create Lists**. The list must two columns with the type **Keyword**. Specify a name for that list and save it. The name of the list is used during integration configuration.
4. Click **Configuration** > **Integrations** > **Create Integration**.
5. Specify the following parameter values in the **Configuration Form.**

<table>
<tr><th>Parameter</th><th>Value</th></tr>
<tr><td><b>Name</b></td><td>Display name of the integration.</td></tr>
<tr><td><b>Type</b></td><td>ServiceNow</td></tr>
<tr><td><b>Address</b></td><td>Address of the ServiceNow integration (the format should be https://dev107155.service-now.com).</td></tr>
<tr><td><b>Configuration</b></td><td>Specify the following configuration parameters:
<table>
<tr><td><b>proxy.id</b></td><td><b>ID of the Proxy integration if you access ServiceNow through a web proxy device. For example: proxy.id = 12345</b> .</td></tr>
<tr><td><b>list.name</b></td><td><b>List name that is used for mapping ArcSight SOAR cases to ServiceNow incidents. For example, list.name=servicenowMapList</b></td></tr>
</table></td></tr>
<tr><td><b>Credential</b></td><td>Credential that has been defined for this integration under the <b>Credentials</b> menu.</td></tr>
<tr><td><b>Trust Invalid SSL Certificates</b></td><td>Select this if web server’s certificate is self-signed or is not recognized by browsers.</td></tr>
<tr><td><b>Require Approval From</b></td><td>Select user(s) from list to ask the approval before executing actions on this integration.</td></tr>
<tr><td><b>Notify</b></td><td>Select user(s) from the list to notify when SOAR performs an action on this integration.</td></tr>
</table>

6. Click **Save** to save the integration definition.
7. Navigate to **Configuration**>**Customization Library** and edit **ServiceNow Advanced Action Script Default Template**.
8. Select the integration that you have added to **Integrations** menu.

9. Click **Save** to complete the integration.
10. Click **Test**. **Integration Successful** message is displayed if the credential and address are valid.

Capabilities

1. **Create Incident**
   Action capability for creating incident on ServiceNow.
   - Rollback: No
   - Duplicate Check: Yes

   The following table presents the **Create Incident** action capability details:

Input Parameter	Description	Type	Scope Restricted (Yes/ No)	Required (Yes/ No)
Category and SubCategory	Category and Subcategory information of created incident	Enum	No	Yes
Description	Servicenow Incident Description	Text	No	Yes
Impact	ServiceNow incident impact	Enum	No	Yes
Urgency	Servicenow Incident Urgency	Enum	No	Yes
Comment	Servicenow Incident Comment	Text	No	Yes
Assignment Group	Servicenow Incident Assignee	Text	No	Yes

2. **Close Incident**
   Action capability for closing incident on ServiceNow.
   - Rollback: No
   - Duplicate Check: No

   The following table presents the **Close Incident** action capability details:

Input Parameter	Description	Type	Scope Restricted (Yes/ No)	Required (Yes/ No)
State	Closing State of Servicenow incident.	Enum	No	Yes
Resolution Code	Resolution Code for ServiceNow incident.	Enum	No	Yes

Input Parameter	Description	Type	Scope Restricted (Yes/ No)	Required (Yes/ No)
Resolution Note	Resolution Notefor ServiceNow incident.	Enum	No	Yes

3. **Update Incident**
   Action capability for updating incident on ServiceNow.

   The following table presents the **Update Incident** action capability details:

Input Parameter	Description	Type	Scope Restricted (Yes/ No)	Required (Yes/ No)
Description	Servicenow Incident Description	Text	No	No
Impact	ServiceNow incident impact	Enum	No	No
Urgency	Servicenow Incident Urgency	Enum	No	No
Comment	Servicenow Incident Comment	Text	No	No
Assignment Group	Servicenow Incident Assignee	Text	No	No
State	ServiceNow incident status	Enum	No	No

Output:

Case Scope: N/A

Human Readable Output: Yes

Integration Guide for Slack

Integration Overview

Slack is a messaging app for business that connects people to the information that they need. By bringing people together to work as one unified team, Slack transforms the way that organizations communicate. Slack supports asynchronous work. When work is organized in channels, the users can access the information as per their own time, regardless of the location, time zone or function. It can be used for asking questions, catching up with new developments and share updates without having to coordinate schedules.

Integration Capabilities

- List Channels
- Get Channel Info
- Create Channel
- Send Message to Channel
- Archive Channel
- Invite User to Channel

Prerequisites

- You must have access to HTTPS as the ArcSight SOAR connects to Slack API through this service.

Configuring Slack

1. Log in to you Slack account and create your application using https://api.slack.com/apps.
2. Click **Create New App** to create new Slack application from scratch. Also, mention application name and pick your workspace to create the application.
3. Enter into your application and navigate to **Oauth and Permissions**.
4. Click **Scopes** > **User Token Scopes** provide the below scope permissions:

Capability	Scope Permissions Required
List Channels	channels:read, groups:read, im:read, mpim:read, identify:basic
Get Channel Information	channels:read, groups:read, im:read, mpim:read, identify:basic
Create Channel	channels:write, groups:write, im:write, mpim:write
Send Message to channel	chat:write
Archive Channel	channels:write, groups:write, im:write, mpim:write
Invite User to Channel	channels:write, groups:write, im:write, mpim:write

5. After all the scopes are added then install your application.
6. Navigate to **OAuth and permissions** > **OAuth tokens for Workspace** to find your User Oauth token. This User OAuth token is used to access the slack api.

Configuring SOAR

1. Click **Configuration** > **Credential** > **Create Credential**.
2. Specify the following parameter values in the **Credential Editor**:

Type	Name	Username	Password	Private Key
Internal Credential	Display name of credential set (for example, Slack Credentials).	N/A	N/A	Bearer {Token}

3. Click **Save** to complete the integration
4. Click **Test**, an **Integration Successful** message is displayed if the credential and address are valid.

Capabilities

1. **List Channels**

   Enrichment capability for retrieving channels list.

   The following table provides the List Channels enrichment capability details:

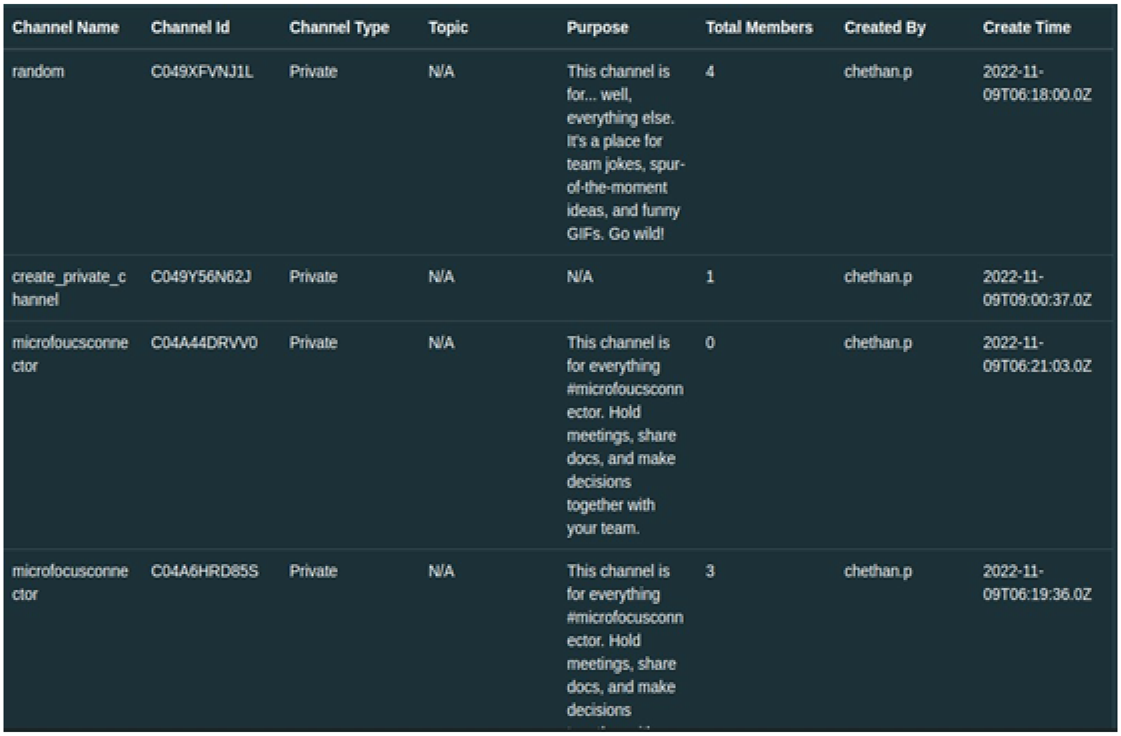
Input Parameter	Description	Type	Scope Restricted(Yes/No)	Required (Yes/No)
Integration	Name of the third party integration	Integration	N/A	Yes

Output:

Case Scope

Action	Type	Category/Value
None	N/A	N/A

Human Readable Output:



Channel Name	Channel Id	Channel Type	Topic	Purpose	Total Members	Created By	Create Time
random	C049XFVNJ1L	Private	N/A	This channel is for... well, everything else. It's a place for team jokes, spur-of-the-moment ideas, and funny GIFs. Go wild!	4	chethan.p	2022-11-09T06:18:00.0Z
create_private_channel	C049Y56N62J	Private	N/A	N/A	1	chethan.p	2022-11-09T09:00:37.0Z
microfoucsconnector	C04A44DRVV0	Private	N/A	This channel is for everything #microfoucsconnector. Hold meetings, share docs, and make decisions together with your team.	0	chethan.p	2022-11-09T06:21:03.0Z
microfocusconnector	C04A6HRD85S	Private	N/A	This channel is for everything #microfocusconnector. Hold meetings, share docs, and make decisions	3	chethan.p	2022-11-09T06:19:36.0Z

2. **Get Channel Info**

   Enrichment capability for retrieving channel information.

   The following table provides the **Get Channel Info** enrichment capability details:

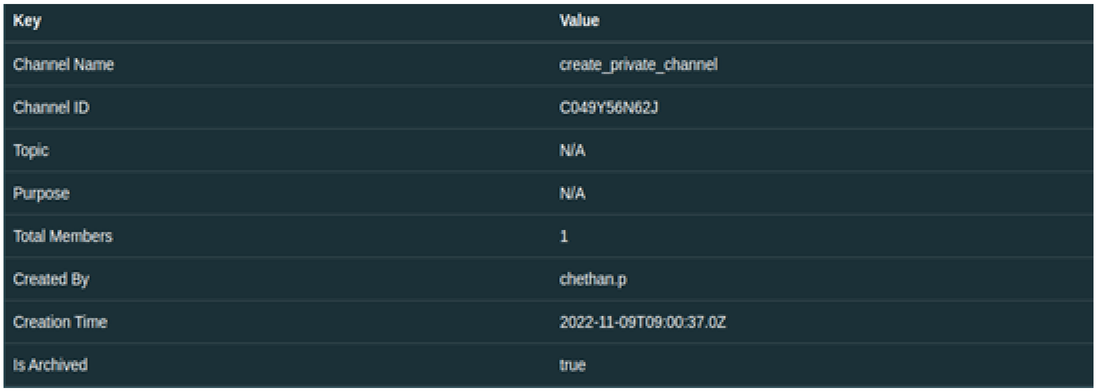
Input Parameter	Description	Type	Scope Restricted (Yes/No)	Required (Yes/No)
Integrtaion	Name of the third party integration	Integration	N/A	Yes
Channel Name	Name of the channel	Username Keyword Unknown	Yes	Yes

Output

Case Scope

Action	Type	Category/Value
None	N/A	N/A

Human Readable Output:



Key	Value
Channel Name	create_private_channel
Channel ID	C049Y56N62J
Topic	N/A
Purpose	N/A
Total Members	1
Created By	chethan.p
Creation Time	2022-11-09T09:00:37.0Z
Is Archived	true

3. **Create Channel**
   Action capability for creating a new channel.
   - Rollback: No
   - Duplicate Control: Yes

     The following table provides the **Create Channel** enrichment capability details:

Input Parameter	Description	Type	Scope Restricted (Yes/No)	Required (Yes/No)
Integration	Name of the third party integration	Integration	N/A	Yes
Channel Name	Name of the channel	N/A	N/A	Yes

Output:

Case Scope

N/A

Human Readable Output

4. **Send Message to Channel**

   Action capability to send text messages to channel.
   - Rollback: No
   - Duplicate Control: No

The following table provides the channel Information action capability details

Input Parameter	Description	Type	Scope Restricted (Yes/No)	Required (Yes/No)
Integration	Name of the third party integration	Integration	N/A	Yes
Channel Name	Name of the channel	Username Keyword Unknown	Yes	Yes
Message	Text message to send to channel	String	No	Yes

Output:

Case Scope

N/A

Human Readable Output

5. **Archive Channel**

   Action capability to archive the channel.

   - Rollback: No
   - Duplicate Control: No

   The following table provides the **Archive Channel** action capability details

Input Parameter	Description	Type	Scope Restricted(Yes/No)	Required (Yes/No)
Integration	Query string for the search	Integration	Yes	Yes
Channel Name	Name of the channel	Username Keyword Unknown	Yes	Yes

Output:

Case Scope

N/A

Human Readable Output

6. **Invite User to Channel**

   Action capability to invite user to a channel.

   - Rollback: No
   - Duplicate Control: No

   The following table provides the Invite User to Channel action capability details:

Input Parameter	Description	Type	Scope Rectricted (Yes/No)	Required (Yes/No)
Integration	Name of the third party integration	Integration	N/A	Yes
Channel Name	Name of the channel	Username Keyword Unknown	Yes	Yes
User Name	Name of the Slack user	Username Keyword Unknown	Yes	Yes

Output:

Case Scope

N/A

Human Readable Output

N/A

Integration Guide for SMTP Mail Server

Integration Overview

ArcSight SOAR uses the SMTP Server to send emails and notification messages. ATAR can also use the same integration to access inboxes to read emails, such as device action approvals if it is configured as an IMAP server.

Integration Capabilities

- Action
- Send email

Configuration

Prerequisites

- SOAR connects to SMTP Mail Server integration via Simple Mail Transfer Protocol.Therefore SOAR must be able to connect this service.
- A user’s credential is required for SMTP AUTH. The same credential will be used if IMAP is configured.

Configuring SOAR

1. Click **Configuration** > **Integrations** > **Create Integration**.
2. Specify the following parameter values in the **Configuration** form:

Parameter	Value
Name	Display name of the SMTP Mail Server integration..
Type	SMTP Mail Server
Address	Address of the integration (the format should be 1.1.1.1 or abc.example.com).

Configuration	Specify the following configuration parameters:
	`mail.default-encoding is the encoding format of emails.`
	`mail.transport.protocol is the default message transport protocol.`
	`mail.smtp.auth specifies whether SMTP Authentication will be enabled or not. It`
	`can`
	`be “true” or “false”.`
	`mail.smtp.port is the port for the SMTP service.`
	`mail.smtp.starttls.enable specifies whether TLS for SMTP will be enabled or not.`
	`It`
	`can be “true” or “false”.`
	`mail.store.protocol is the protocol to access inboxes (for email reading).`
	`Default`
	`value is “imaps”.`
	`mail.imaps.host is the address of the IMAPS server.`
	`mail.imaps.port is the port for IMAPS service.`
	`# Server type should be default for standard SMTP connections, the type should be`
	`exchange-online to enable token authentication for Exchange Online SMTP`
	`devices.e.`
	`smtp.server.type=default`
	`# Imap mail account for token authentication connections`
	`imap.mail.account=`
	`# Imap message polling period in millis, the default value is 10000 ms`
	`#imap.polling.period=10000`

Credential	Select newly created OAuth2 credential as credential.
Trust Invalid SSL Certificates	Select this if Engine's certificate certificate is self-signed or is not recognized by browsers
Require Approval From	Select users from the list who can provide approval before executing actions on this integration
Notify	Select user(s) from the list to notify when SOAR performs an action on this integration.

3. Click **Test** to test the integration.
4. Click **Save** to complete the integration.

Additional Notes

- If a SMTP integration is used without credentials then it can’t be used as incoming e-mail processor and for approvals.

- The global configuration parameter EMailDevice, under the Parameters tab of **Configuration** menu, configures the default mail server to be used in sending notifications and emails. Therefore, you must set the value of this parameter to the ID value for the SMTP Mail.

Integration Guide for Sophos XG Firewall

Integration Overview

Sophos XG Firewall is an integrated security platform featuring next gen firewall capabilities.

Integration Capabilities

ArcSight SOAR has the following integration capability with Sophos XG Firewall:

- Block IP
- Block FQDN
- Block URL
- Block Email Sender

Use Case: Blocking bad actors on firewalls

With this integration, SOAR can block malicious IP addresses, hosts and URL addresses on firewall devices while responding cyber-attacks. This can be performed automatically within a playbook or manually by an analyst.

Configuration

Prerequisites

- SOAR connects to Sophos XG Firewall API via management port. So access permission
- to this port is required.
- A user account for SOAR to connect to Sophos XG Firewall.

Configuration on Sophos XG Firewall

1. Click **Configure** > **Authentication** > **Users menu** and add an administrator user account.
2. Create a new profile or select a suitable one from the Profile list. Profile should have the following permissions:

- Read-write for Objects
- Web & content filter
- Email protection
- None for the rest of the permissions

3. Navigate to **Backup & Firmware** > **API** to enable API Configuration and add SOAR IP Address to the Allowed IP Address list.
4. Click **Administration** > **Device Access** to ensure that SOAR's assigned zone can access the HTTPS service of Sophos. You can prefer to create a Local Service ACL Exception Rule as well. For more information consult the Sophos How to use API documentation for further information.

1. Click **Configuration** > **Credentials** > **Create Credential**.
2. Specify the following parameter values in the **Credential Editor**:
   a. **Internal Credential**

Parameter	Value
Type	Internal Credential
Name	Display name of credential set (For example, Sophos XG Credentials)
Username	Username you have created on firewall.
Password	Password you have created on firewall.
Private Key	Empty

   b. **Credential Store:**

Parameter	Value
Type	External Credential
Name	Name of the credential with pull path of the safe on store

3. Click **Configuration** > **Integrations** > **Create Integration**.
4. Specify the following parameter values in the **Configuration** form:

Parameter	Value
Name	Display name of Sophos XG integration on SOAR.
Type	Sophos XG Firewall.
Address	Address of the firewall (the format should be https://192.168.10.1:4444)

Parameter	Value

Configuration	Specify the following configuration parameters:
	`# IP host group name for adding ip hosts to block`
	`iphost.group.name=ATAR_IP_BLOCK`
	`# FQDN host group name for adding fqdns to block`
	`fqdnhost.group.name=ATAR_HOST_BLOCK`
	`# Web filter url group name for adding urls to block`
	`webfilterurl.group.name=ATAR_URL_BLOCK`

Credential	Name of the credential set created on step 2 (For example, Sophos XG Credentials)
Trust Invalid SSL Certificates	Select this if Management UI's certificate certificate is self-signed or is not recognized by browsers
Require Approval From	Select users from the list who can provide approval before executing actions on this integration
Notify	Select user(s) from the list to notify when SOAR performs an action on this integration. Since SOAR only executes enrichments on Symantec DLP, leave it empty

5. Click **Test** to test the integration.
6. Click **Save** to complete the integration.

Additional Notes

- IP, FQDN and URL filter groups are automatically created by SOAR if they don't exist.1. IP, Host and URL filter groups are automatically created by SOAR if they don't exist.
- Sophos XG Firewall URL Filtering only accepts URLS with the following format http://www.example.com. URI paths are not accepted through API. Therefore SOAR transparently trim the URI part while submitting to Sophos XG Firewall.
- SOAR stores blocked email addresses in a list to keep track. Sophos currently does not provide a method to get the current list and any update will overwrite the list with the new address so administrator should only update the MTA Blocked Sender List through SOAR. Also this list is kept for each different Sophos integration but creating a second integration for the same device can lead to data inconsistency.

Integration Guide for SORBS Query

Integration Overview

SORBS Query provides free access to its DNS-based Block List to effectively block mail from more than 12 million host servers known to disseminate spam, phishing, attacks and other forms of malicious emails.

Integration Capabilities

- Action
- Check IP

Configuration

Configuration on SORBS Query

- ATAR connects to SORBS integrations's API via HTTPS. Therefore ATAR should be able to connect this service.

Configuring SOAR

Configuring SOAR

1. Click **Configuration** > **Integrations** > **Create Integration**.
2. Specify the following parameter values in the **Configuration** form:

Parameter	Value
Name	Display name of SORBS Query integration on SOAR.
Type	SORBS Query.
Address	Address of the integration (the address should be http[s]://dnsbl.sorbs.net).

Parameter	Value
Trust Invalid SSL Certificates	Select this if Engine’s certificate certificate is self-signed or is not recognized by browsers
Require Approval From	Select users from the list who can provide approval before executing actions on this integration
Notify	Not Applicable

3. Click **Test** to test the integration.
4. Click **Save** to complete the integration.

foIntegration Guide for Symantec Advanced Threat Protection

Integration Overview

Symantec Advanced Threat Protection is Symantec's endpoint protection platform closely works with SEP Manager.

Integration Capabilities

- Action Capabilities
- Quarantine Endpoint (isolate_endpoint and rejoin_endpoint)
- Delete File From Endpoint (delete_endpoint_file)
- Enrichment Capabilities
- Get Events (/events)

Configuration

Configuring Symantec Advanced Threat Protection

Symantec ATP uses https (tcp/443) for API access by default.

1. Click **Settings** > **Data Sharing** > **OAuth Clients** > **Add application with custo role** to add the API application.
2. The image in the **Privileges** section represents how the custom role must be configured. After creating user, Symantec displays the **client secret** and **client id**, which is used in SOAR configuration modal.

Configuring SOAR

1. Navgate to **Configuration** > **Integrations**.
2. Specify the following parameter values in the **Integrations Editor**:

Parameter	Value
Name	Display name of Symantec Advanced Threat Protection integration on SOAR
Type	Symantec Advanced Threat Protection.
Address	Address of the integration (in the following format: https://1.1.1.1)
Configuration	Specify the following configuration parameters. `#EVENT_RESULT_LIMIT`
Credential	Name of the credential set created under the **Credentials** menu. You must use **client id** as username and **client secret** as password.
Trust Invalid SSL Certificates	Select this if Engine's certificate is self-signed or is not recognized by browsers
Require Approval From	Select users from list who can provide approval before executing actions on this integration
Notify	Select users from the list to notify when SOAR performs an action on this integration

3. Click **Save** to save the integration.
4. Navigate to **Configuration**>**Customization Library** and edit **Symantec Advanced Threat Protection Advanced Action Script Default Script Template**.
5. Select the integration that you have added to Integrations menu.
6. Click **Save** to complete the integration.
7. Click **Test**, an **Integration Successful** message is displayed if the credential and address are valid.

Integration Guide for Symantec Bluecoat Malware Analysis Appliance (MAA)

Integration Overview

Symantec Bluecoat MAA is a malware analyzer sand-box solution. SOAR uses Symantec Bluecoat Malware Analysis Appliance to analyze files and URLs.

Integration Capabilities

- Action
- File Analysis
- Hash Analysis
- URL Analysis

Prerequisites

- SOAR connects to Symantec Bluecoat MAA's Remote API (RAPI) via HTTPS. Therefore, SOAR should be able to connect this service.
- A user account is required for SOAR to connect to Symantec Bluecoat MAA.

Configuration

Configuring SOAR

1. Click **Configuration** > **Credentials** > **Create Credential**.
2. Specify the following parameter values in the **Credential Editor**:

   Internal Credential

Parameter	Value
Type	Internal Credential
Name	Display name of credential set (For example, BlueCoat Malware Analysis Appliance Credentials)

Parameter	Value
Username	Username of the administrator
Password	Password of the admin user
Private Key	Empty

3. **Credential Store:**

Parameter	Value
Type	External Credential
Name	Name of the credential with pull path of the safe on store

4. Navigate to **Configuration** > **Integrations**.
5. Specify the following parameter values in the **Integrations Editor**:

Parameter	Value
Name	Display name of Symantec Bluecoat MAA integration on SOAR.
Type	Symantec Bluecoat MAA .
Address	Address of the integration (in the following format: http[s]://1.1.1.1:1234
Credential	Name of the credential set created under the **Credentials** menu.
Trust Invalid SSL Certificates	Select this if Engine’s certificate is self-signed or is not recognized by browsers
Require Approval From	Select users from list who can provide approval before executing actions on this integration
Notify	Select users from the list to notify when SOAR performs an action on this integration

6. Click **Test** to test the integration.
7. Click **Save** to save the integration.

Integration Guide for Symantec BlueCoat Proxy SG

Integration Overview

BlueCoat Proxy SG is a secure web gateway solution developed by Symantec which controls the users' access to web content. This integration has been tested with Symantec BlueCoat Proxy SG 6.6.4.2 version.

Integration Capabilities

SOAR has the following integration capability with Symantec BlueCoat Proxy SG

- Block

Use Case: Blocking access to malicious URL

SOAR can integrate with Symantec BlueCoat Proxy SG to block malicious URLs detected while responding an incident. Blocking can be performed automatically within a playbook or manually by an analyst.

Configuration

Prerequisites

- SOAR connects to Symantec BlueCoat Proxy SG Management UI through HTTPS in order to download existing copy of local database. As Management Console runs on 8082 /tcp port, so access to this port is required.
- SOAR connects to Symantec BlueCoat Proxy SG via SSH to immediate update of local database. So access to 22/tcp port is required.
- Symantec BlueCoat Proxy SG connects back to SOAR API to gather new copy of the local database. As SOAR API runs on 443/tcp port, so access from BlueCoat Proxy SG to this service is required.
- Admin user credentials are required for SOAR to connect Symantec BlueCoat Proxy SG

Configuring Symantec BlueCoat Proxy SG

1. Click **Configuration** > **Content Filtering** > **General** and enable **Local Database**.
2. Click **Configuration** > **Content Filtering** > **Local Database** and configure copy of local database URL accessible on SOAR . The format should be `https://cdf/soar-api/api/bluecoat/list/integrationId}`

   `integrationId`: ID of BlueCoat Proxy SG integration on SOAR.
3. Click **Configuration** > **REST Clients** > **Create REST Clients** to create client credentials.
4. Fill the description and Client ID.

   > Bluecoat allows maximum of 31 character. Make sure Client ID is within that range.
5. Click **Save**. A **REST Client Details** successful message is shown.
6. Click the copy icon to save the Client ID and Client Secret.

Configuring SOAR

1. Click **Configuration** > **Credentials** > **Create Credential**.
2. Specify the following parameter values in the **Credential Editor**:

   a. **Internal Credential**

Parameter	Value
Type	Internal Credential
Name	Display name of credential set (For example, BlueCoat Proxy SG Credentials)
Username	Username of the administrator
Password	Password of the admin user
Private Key	Empty

   b. **Credential Store:**

Parameter	Value
Type	External Credential
Name	Name of the credential with pull path of the safe on store

3. Click **Configuration** > **Integrations** > **Create Integration**.
4. Specify the following parameter values in the **Configuration** form:

Parameter	Value
Name	Display name of Symantec BlueCoat Proxy SG integration on SOAR
Type	Symantec BlueCoat Proxy SG
Address	Address of the integration (in the following format: https://192.168.2.99)

Configuration	Specify the following configuration parameters:
	`# Default category to block URLs. If empty, value of`
	`# BlueCoatDefaultBlockListCategoryName configuration`
	`#category=soar`
	`# parameter will be used.`
	`# Comma (,) separated list of IP addresses of Bluecoat`
	`# servers that are allowed to retrieve blocked URL list.`
	`# servers that are allowed to retrieve blocked URL list.`
	`# servers that are allowed to retrieve blocked URL list.`
	`#allowedaddresses=`
	`# Default block list source URL. This URL should be pointed out`
	`# third-party block list source address. If unspecified, value`
	`# of BlueCoatDefaultBlockListURL will be used.`
	`#blocklistsource=`
	`# Connect to Bluecoat Proxy using SSH with provided`
	`# credential and execute commands to immediately force`
	`# refresh of the block list. Default is false.`
	`#forcerefresh.enabled=false`
	For a third party blacklist to work correctly it must be structured as follows:
	For example,
	If you want to work with seperate categories you can give a different category name to differentiate between SOAR sourced URL's and the third-party URL's.
	`define category "soar"`
	`www.example.com`
	`www.example.com/example.asp`
	`example.com`
	`192.168.201.57`
	`end category "soar"`

Credential	Name of the credential set created on step 2 (For example, BlueCoat Proxy SG Credentials)
Trust Invalid SSL Certificates	Select this if Management Consoles's certificate is self-signed or is not recognized by browsers
Require Approval From	Select users from the list who can provide approval before executing actions on this integration
Notify	Not Applicable

5. Click **Save** to complete the integration.
6. Click **Test** to test the integration.
7. To create client credential login to Bluecoat SSH and run the following commands:

```
enable
config terminal
content-filter
local
download username <client-id>
download password <client-secret>
```

Additional Notes

- Due to update mechanism of Blucoat Proxy SG's Content Filter/Local Database, BlueCoat Proxy SG retrieves the list of items to be blocked from a URL located on a web server that is accessible by the Proxy SG. SOAR maintains a copy of Content Filter/Local Database and is accessible on `https://cdf/soar-api/api/bluecoat/list/integrationId}`.
- SOAR connects to management console and downloads a copy of the Content Filter/Local Database before adding new entries. If SOAR is the only place managing Content Filter/Local Database, you don't need to provide this access since SOAR always has the latest copy.
- After updating the list of items to be blocked on itself, SOAR might connect to BlueCoat Proxy SG via SSH and trigger an immediate download of the Content Filter/ Local Database file. This operation requires to access privileged-mode. In order to use this method set `forcerefresh.enabled=true` on integration configuration. List of commands executed during this operation can be found under **Configuration** > **Customization Library** > **Symantec BlueCoat Proxy SG SSH Integration Action** (Block) Default Template.
- If **Automatically check for updates** is set on Content Filter/Local Database configuration BlueCoat periodically connects and checks the latest version of the list. If you don't want immediate update you may set `forcerefresh.enabled=false` on integration configuration and prefer to use automatic updates.
- After the Integration is complete, if you get a certificate related error **Server certificate signed by unknown CA Download failed** do the following :
    a. Install the missing CA Certificate and restart the database download.
    b. Download the CDF external certificate.
    c. Click **Configuration** > **SSL** > **CA Certificates** and import the certificate into the ProxySG appliance CA Certificates and name it as **CDF_ca**.
    d. Click **CA Certificate Lists** > **Browser-trusted** and add the certificate to the browser-trusted list.
    e. Apply the configuration changes.
    f. Create a block action on SOAR and view the action result to make sure that the download is working properly.

> Click **Configuration** > **SSL** > **Device Profiles** and make sure that the **Device Profile** is set to **browser-trusted.**

- If you get a error for **Hostname in server certificate does not match URL hostname** then disable **Verify Peer** option for default **Device Profile** on Bluecoat Proxy SG device.

Integration Guide for Symantec Bluecoat Site Review

Integration Overview

Bluecoat Site Review is a site to report uncategorized URLs to Symantec/Bluecoat.

Integration Capabilities

- Action
- Report Uncategorized URL (should get URL from scope)

Configuration

Configuration on Bluecoat Site Review

No requirements

Configuring SOAR

- In SOAR **Configuration**, specify **Name**, **Address** and **submissionEmailAddress** to check submission result from returning mail.

> Note: Add a dummy credential that can be removed in future releases.

Integration Guide for Symantec Data Loss Prevention (DLP)

Integration Overview

Symantec DLP is a solution to ensure that sensitive data is not lost, misused, or accessed by unauthorized users. This integration has been tested with Symantec DLP 14.6.0200 version.

Integration Capabilities

SOAR has the following integration capabilities with Symantec DLP:

- Retrieve incidents

Use Case: Investigating Suspicious Behaviour

During investigation of a suspicious behaviour of an employee or an endpoint, SOAR integrated with Symantec DLP, can get access the related DLP incidents for better understanding of the case. Investigation can be performed automatically within a playbook or manually by an analyst.

Configuration

Prerequisites

- SOAR connects to Symantec DLP API via HTTPS. Access to 443/tcp port is required.
- A user account is required for SOAR to connect to Symantec DLP.

Configuring Symantec DLP

1. Login to Symantec DLP Enforce Server and navigate to **System** > **Login Management** > **Roles** to create a web service role. The web service role should have the following permissions:
   - Incidents: View
   - Perform Attribute Lookup
   - Incident Reporting and Update API: Incident Reporting

- Display Attributes: All,
- Custom Attributes: View all

2. Click **System** > **Login Management** > **DLP Users** and add a DLP user account with the role that is created on previous step.
3. Login to Symantec DLP Enforce server administration console with the DLP user account created in previous step.
4. Click **Incidents** > **Incident Reports** and select a system defined incident list, such as **Incidents - All**.
5. Edit report filters to narrow down the results to be returned if needed. In the **Summarize by** menu verify that **and** are both selected.
6. Save the report as a new private report and note the new report's ID.

Configuring SOAR

1. Click **Configuration** > **Credentials** > **Create Credential**.
2. Specify the following parameter values in the **Credential Editor**:
   a. **Internal Credential**

Parameter	Value
Type	Internal Credential
Name	Display name of credential set (For example, Symantec DLP Credentials)
Username	User you have created for SOAR on Symantec DLP.
Password	Password of the user you have created for SOAR on Symantec DLP
Private Key	Empty

   b. **Credential Store:**

Parameter	Value
Type	External Credential
Name	Name of the credential with pull path of the safe on store

3. Click **Configuration** > **Integrations** > **Create Integration**.
4. Specify the following parameter values in the **Configuration** form:

Parameter	Value
Name	Display name of Symantec DLP integration on SOAR.
Type	Symantec Data Loss Prevention.

Parameter	Value
Address	Address of the integration (in the following format: https://192.168.2.15)

Configuration	Specify the following configuration parameters:
	`# Report id`
	`report.id=221`

Credential	Name of the credential set created on step 2 (For example, Symantec DLP Credentials)
Trust Invalid SSL Certificates	Select this if Web UI’s certificate certificate is self-signed or is not recognized by browsers
Require Approval From	Select users from the list who can provide approval before executing actions on this integration
Notify	Select user(s) from the list to notify when SOAR performs an action on this integration. Since SOAR only executes enrichments on Symantec DLP, leave it empty

5. Click **Test** to test the integration.
6. Click **Save** to complete the integration.

Additional Notes

For the details of web service role and report creation please refer to Symantec™ Data Loss Prevention Incident Reporting and Update API Developers Guide.

Integration Guide for Symantec DeepSight Intelligence

Integration Overview

Symantec DeepSight Intelligence is a commercial threat intelligence service which provides actionable intelligence with context and technical details surrounding a threat so teams can quickly assess cyber risk and implement proactive controls.

Integration Capabilities

ArcSight SOAR has the following integration capabilities with Symantec DeepSight Intelligence Service:

- Ingest intelligence data as alert
- Domain Query
- File Query
- IP Query

Use Case: Investigating Phishing Campaigns

SOAR is integrated with Symantec DeepSight Intelligence, to help investigation and mitigation of phishing campaigns. When a phishing report email comes from user, SOAR extracts the indicators such as IP address, domains and attachments in message and a new incident is created on SOAR's own Incident Management Service Desk. SOAR then asks these indicators to Symantec DeepSight Intelligence if this is a known attack and previously analyzed. This can be performed automatically within a playbook or manually by an analyst.

Configuration

Prerequisites

- SOAR connects to Symantec DeepSight API via HTTPS. Access to https://deepsightapi.symantec.com/v1/ (443/tcp port) and https://datafeeds.symantec.com/ (443/tcp port) is required.
- A user account and a certificate-password pair are required for SOAR to connect to Symantec DeepSight. These will be supplied by Symantec through DeepSight portal.

Configuring Symantec DeepSight Intelligence

SOAR requires a username and password to be created on Symantec DeepSight for authentication purposes for Alert Source. If enrichment capabilities are to be used an API key must be enabled and created.Use an administrator account to enable API Access for the account you wish to use in SOAR.

1. Select **user’s detail** tab. The tab includes a section for DeepSight API Token. Select **Enable Access**
2. Login with the SOAR account to the DeepSight portal.
3. Click **Settings** > **My Profile** and locate the **DeepSight API Token** tab.
4. Copy the API key.

Configuring SOAR

1. Click **Configuration** > **Credentials** > **Create Credential**.
2. Specify the following parameter values in the **Credential Editor**:
   a. **Internal Credential**

Parameter	Value
Type	Internal Credential
Name	Display name of credential set (For example, Symantec DeepSight Credentials).
Username	Empty
Password	API Key you’ve get from Symantec DeepSight Intelligence platform.
Private Key	Empty

   b. **Credential Store:**

Parameter	Value
Type	External Credential
Name	Name of the credential with pull path of the safe on store

Configuring Symantec DeepSight Intelligence as Alert Source

1. Click **Configuration** > **Alert Source** > **Create Alert Source Configuration**.
2. Specify the following parameter values in the **Configuration** form:

Parameter	Value
Name	Display name of Symantec DeepSight Intelligence Alert Source on SOAR.
Type	Symantec DeepSight Intelligence Datafeeds
Address	Address of the Symantec DeepSight Intelligence DataFeeds (https://datafeeds.symantec.com/v1/).

Configuration	Specify the following configuration parameters:
	`# Number of item to ingest per data feed type on first integration`
	`alertCountPerFeedType=1000`
	`# Minimum item reputation value to turn into Alert on SOAR`
	`minReputationToAlert=10`
	`#usable behaviour names :`
	`attack,attacks,bot,cnc,fraud,malware,phish,spam,phish_host`
	`#behaviourNames=attack,bot,CnC,fraud,malware,spam`
	`# Integration ID of the proxy integration to use when connecting to current source.`
	`# If not provided, SOAR will try to use a direct connection.`
	`#proxy.id=5422`
	`# configure how far (in minutes) into the past this enrichment will look.`
	`#cache.reusing.duration=20`

Credential	Name of the credential set created on step 2 (For example, Symantec DeepSight Credentials)
Trust Invalid SSL Certificates	Select this if Web UI’s certificate certificate is self-signed or is not recognized by browsers
Require Approval From	Select users from the list who can provide approval before executing actions on this integration. Since SOAR only executes enrichment on Symantec DeepSight, leave it empty.
Visible Alert Fields	You may define which alarm fields will be displayed on Incident Management Service Desk.

Configuring Symentec DeepSight Intelligence as Integration

1. Click **Configuration** > **Alert Source** > **Create Alert Source Configuration**.
2. Specify the following parameter values in the **Configuration** form:

Parameter	Value
Name	Display name of Symantec DeepSight Cyber Intelligence integration on SOAR.
Type	Symantec DeepSight Cyber Intelligence
Address	Address of Symantec DeepSight Cyber Intelligence (https://deepsightapi.symantec.com/v1)

Configuration	Specify the following configuration parameters:
	`# Integration ID of the proxy integration to use when connecting to current integration.`
	`# If not provided, SOAR will try to use a direct connection.`
	`#proxy.id=123`
	`# configure how far (in minutes) into the past this enrichment will look.`
	`#cache.reusing.duration=20`

Credential	Name of the credential set created on step 2 (For example, Symantec DeepSight Credentials)
Trust Invalid SSL Certificates	Select this if Web UI's certificate certificate is self-signed or is not recognized by browsers
Require Approval From	Select users from the list who can provide approval before executing actions on this integration. Since SOAR only executes enrichment on Symantec DeepSight, leave it empty.
Notify	Select users from the list to notify when SOAR performs an action on this integration. Since SOAR only executes enrichment on Symantec DeepSight, leave it empty.

3. Click **Test** to test the integration.
4. Click **Save** to complete the integration

Integration Guide for Symantec Endpoint Protection Manager

Integration Overview

Symantec Endpoint Protection Manager (SEP Manager) is a management platform for security software suite, which consists of anti-malware, intrusion prevention and firewall features for server and desktop computers. This integration has been tested with Symantec Endpoint Protection Manager 14.2.760 version.

Integration Capabilities

SOAR has the following integration capabilities with Symantec Endpoint Protection Manager:

- Start Scan on Client
- Block File Hash
- Get Client Info

Use Case: Starting scan jobs on suspicious endpoints.

During the course of and investigation or responding a ongoing cyber-attack, it is required to run scan jobs on suspicious endpoints to validate the threat. SOAR can start scan jobs on Symantec Endpoint Protection Manager to help on deciding the next course of action.

This can be performed automatically within a playbook or manually by an analyst.

Configuration

Prerequisites

- SOAR needs to connect Symantec Endpoint Protection Manager API and Database.
- Access to 8443/tcp, 8446/tcp port for API acceess and 1433/tcp, 1434/udp port for database access is required.
- User accounts for API access and database access are required for SOAR to connect to Symantec Endpoint Protection Manager.

Configuring Symantec Endpoint Protection Manager

1. Login to SEP Management Server on https://SEPManager:8443/console/apps/sepm and create an administrator account on **Admin** tab.
2. Click **Policy** > **Policy Components > File Fingerprint Lists** and add a File Fingerprint List.
3. You might create a file containing MD5 value of eicar.com test signature 44d88612fea8a8f36de82e1278abb02f: to upload a file to create the list.
4. Login to SEP Manager Web Service Application Registration on https://SEPManager:8446/sepm with the admin account you've created on previous step and register a webservice application to be used by SOAR.

   > **Note** the Client ID and Client Secret values are generated.

5. Create a database user that has selected permissions and ensure that the SQL Browser service is configured and running on MSSQL Server.

Configuring SOAR

1. Click **Configuration** > **Credentials** > **Create Credential**.
2. Specify the following parameter values in the **Credential Editor**:
   a. **Internal Credential**

Parameter	Value
Type	Internal Credential
Name	Display name of credential set (For example, SEP Manager Credentials).
Username	Username you have created for SOAR on Symantec Endpoint Protection Manager
Password	Password of the user you have created for ATAR on Symantec Endpoint Protection Manager.
Private Key	Empty

   b. **Credential Store:**

Parameter	Value
Type	External Credential
Name	Name of the credential with pull path of the safe on store

3. To create credentials to be used for database connection:

a. **Internal Credential**

Parameter	Value
Type	Internal Credential
Name	Display name of credential set (For example, SEP Manager DB Credentials).
Username	Database username you have created for SOAR on SEP Manager Database.
Password	Password of the user you have created for SOAR on SEP Manager Database.
Private Key	Empty

b. **Credential Store:**

Parameter	Value
Type	External Credential
Name	Name of the credential with pull path of the safe on store

4. Click **Configuration** > **Integrations** > **Create Integration**.
5. Specify the following parameter values in the **Configuration** form:

Parameter	Value
Name	Display name of Symantec Endpoint Protection Manager integration on SOAR
Type	Symantec Endpoint Protection Manager
Address	Address of the integration (in the following format: https://192.168.2.140)

Configuration	Specify the following configuration parameters:
	`client.id=xxxxxxxx-xxxx-xxxx-xxxx-xxxxxxxxxxxx`
	`client.secret=xxxxxxxx-xxxx-xxxx-xxxx-xxxxxxxxxxxx`
	`#domainName=`
	`directdbaccess.enabled=true`
	`directdbaccess.jdbcurl=`
	`jdbc:sqlserver://192.168.2.140:1433\\SEPMDB;database=sem5`
	`directdbaccess.credential=33323`
	`# Integration ID of the proxy integration to use when connecting to`
	`# current integration.`
	`# If not provided, ATAR will try to use a direct connection.`
	`#proxy.id=123`

Credential	Name of the credential set created on step 2 (For example, SEP Manager Credentials).
Trust Invalid SSL Certificates	Select this if Engine’s certificate is self-signed or is not recognized by browsers
Require Approval From	Select users from the list who can provide approval before executing actions on this integration
Notify	Select user(s) from the list to notify when ATAR performs an action on this integration.

6. Click **Test** to test the integration.

7. Click **Save** to complete the integration.

Additional Notes

Symantec Endpoint Protection Manager Webservice registration works on 8446/tcp port by default. If it is different than this value, you might configure it using **DefaultSEPMRestApiPort** paramater under **Configuration** > **Parameters**.

Integration Guide for Symantec Managed Security Services (MSS)

Integration Overview

Symantec Managed Security Services (MSS) provides its customers security monitoring and real-time security analytics services including strategic insights needed to prioritize and respond to incidents and build strategies to protect the assets, reputations and viability of their organizations.

Integration Capabilities

SOAR has the following integration capabilities with Symantec MSS:

- Ingest Incident Records as Alert
- Update MSS incident record
- Close MSS incident

Use Case #1: Investigating and Mitigating Cyber-attacks

Integrated with Symantec MSS, ATAR periodically collects new incidents and update the statuses of the open incidents as they change in Smyantec MSS system. When an incident record is created on Symantec MSS, ATAR automatically collects Incident Details such as Analyst Comment, Signatures that are triggering this alert, Comments that are added to the incident and possible Attachments inside this alert anc creates a new incident on its own Incident Management Service Desk.

Configuration

Prerequisites

- SOAR connects to Symantec MSS API via HTTPS. So access permission to https://api.

managedsecurity.com is required.

- A user account and a certificate-password pair are required for ATAR to connect to Symantec MSS API.

Configuring Symantec MSS

The Symantec MSS service uses client-side certificates for authentication.

1. Click **Profile** > **Certificates** > **Create a certificate.**
2. Select the **type of service** for the certificate.
3. Set the expiration date for the certificate. The available values are 6 months, 1 year, and 2 years.
4. [Optional] Specify the name for the certificate.
5. Click **Register**.

> The certificates are enabled by default upon creation, but must be downloaded and installed before they can be used.

Configuring SOAR

To use the client-side certificate created on Symantec MSS, you must convert it with **openssl** command line tool as following:

```
openssl pkcs12 -in <certificate_created_in_MSS_Portal>.p12 -clcerts -nodes -
out <output_file>
```

Configuring Credentials

1. Click **Configuration** > **Credentials** > **Create Credential**.
2. Specify the following parameter values in the **Credential Editor**:
3. **Internal Credential**

Parameter	Value
Type	Internal Credential
Name	Display name of credential set (For example, Symantec MSS Credentials)).
Username	Empty
Password	Empty.
Private Key	Paste the content of the <output_file>.pem file into the Private Key area.

> The external credential stores can not be used with this integration type.

Configuring Symantec MSS as Alert Source

1. To add a new incident severity configuration, click **Configuration** > **Incidents** > **Severities** .

   Symantec MSS integration requires the following incident severity definitions:

   - Informational
   - Warning
   - Critical
   - Emergency

2. To add a new incident statues configuration, click **Configuration** > **Incidents** > **Statuses**.

   Symantec MSS integration requires the following incident status definitions:

   - New
   - In Progress as Open statuses
   - False Positive
   - Resolved
   - Deferred
   - No Action as closed statuses.

3. Click **Configuration** > **Alert Source** > **Create Alert Source Configuration.**
4. Specify the following parameter values in the **Configuration** form:

Parameter	Value
Name	Display name of Symantec MSS Alert Source on SOAR
Type	Symantec MSS
Address	Address of Symantec MSS service (in the following format: https://api.monitoredsecurity.com).
Alert Severities	Mapping of alert severity values to SOAR incident severities.

<table>
<tr><th>Parameter</th><th>Value</th></tr>
<tr><td>Configuration</td><td>

```
Specify the following configuration parameters:
# Enables incident sync
# Default: false
#incident.autoSync=true
# Request timeout in minutes
# If not provided, ATAR will use 10 by default
#request.timeout=10
# Enable auto closing ATAR incidents when the related Symantec MSS incident is
closed,
# Default: false
#incident.autoClose=true
# Enable auto reopening ATAR incidents when the related Symantec MSS incident is
reopened,
# Default: false
#incident.autoReopen=true
# Scope fields to be extracted from base events and/or correlated events
(field1:CATEGORY:ROLE, # CATEGORY is any of: EMAIL_ADDRESS, HASH, HOST, MAC_
ADDRESS, NETWORK_ADDRESS,
# COMPUTER_NAME, UNKNOWN, URL, USERNAME, PROCESS
# ROLE is any of: OFFENDER, IMPACT, RELATED
#
# Note: The fields in the baseevent.scope example below are always extracted by
default.
# Note: Extraction with same field name overrides the default one.
# Note: Extraction with different field name does not override the default
behaviour and extracted # Note: Field names must start with / character
#
# Example: baseevent.scope=/sourceIPString:NETWORK_ADDRESS:OFFENDER
# baseevent.scope=
#
# Example: correlated.scope=/sourcev6:NETWORK_ADDRESS:OFFENDER
# correlated.scope=
# How far (in days) into the past ATAR will look for remote incidents at the
initial sync task
# If not provided, ATAR will use 14 days by default
#days.to.look.back.at.initial.sync=14
```

</td></tr>
<tr><td>Credential</td><td>Name of the credential set you have created (For example, Symantec MSS Credentials).</td></tr>
<tr><td>Trust Invalid SSL Certificates</td><td>Select this if Engine’s certificate is self-signed or is not recognized by browsers</td></tr>
<tr><td>Viisible Alert Fields</td><td>Select alarm fields that has to be displayed on Incident Management Service Desk.</td></tr>
<tr><td>Notify</td><td>Select user(s) from the list to notify when ATAR performs an action on this integration.</td></tr>
</table>

5. Click **Test** to test the integration.
6. Click **Save** to complete the integration.

Configuring Symantec MSS as an Integration

1. Click **Configuration** > **Integrations** > **Create Integration**.
2. Specify the following parameter values in the **Configuration** form:

Parameter	Value
Name	Display name of Symantec MSS integration on SOAR
Type	Symantec MSS
Address	Address of Symantec MSS service (in the following format: https://api.monitoredsecurity.com).
Configuration	Specify the following configuration parameters: `#proxy.id=5422`
Credential	Name of the credential set you have created (For example, ArcSight ESM Credentials).
Trust Invalid SSL Certificates	Select this if Engine's certificate is self-signed or is not recognized by browsers
Require Approval From	Select user(s) from list to ask her/his approval before executing actions on this integration.
Notify	Select user(s) from the list to notify when ATAR performs an action on this integration.

3. Click **Test** to test the integration.
4. Click **Save** to complete the integration.

Additional Notes

The following configuration parameters can be used for fine tuning the integration.

> Consult SOAR field engineering team before editing them:

Parameter Name Description Default Value

```
SymantecMssListenerMaxRetrySeconds Symantec MSS listener queue max message
retry in seconds 1800
SymantecMssListenerQueueConcurrency Upper limit of Symantec MSS Listener
consumer thread count 3
SymantecMssSyncLookBehindMinutes Minutes to look behind to incident in
```

```
Symantec MSS SyncTask 20
SymantecMssSyncPeriod Period in seconds to sync Symantec MSS incidents 60
Below Automation Bit sample could be used to automatically close incidents
via Trigger.
atar.require("underscore");
var remoteStatusList = [
'False Positive',
'Resolved',
'Deferred',
'No Action'
];
var remoteStatus = 'Resolved';
var statusName = atar.getTicket().getTicketStatus().getName();
if (_.contains(remoteStatusList, statusName)) {
remoteStatus = statusName;
}
var params = {'INCIDENT_CLOSING_STATUS': remoteStatus};
atar.action(ActionPluginCapability.CLOSE_INCIDENT, atar.getAlert(),
atar.device("Symantec MSS Integration"), params);
```

Integration Guide for Symantec Messaging Gateway

Integration Overview

Symantec Messaging Gateway (Brightmail) is an email gateway which is used to filter incoming and outgoing emails. This integration has been tested with Symantec Messaging Gateway 10.6.5-1 version.

Integration Capabilities

SOAR has the following integration capabilities with Symantec Messaging Gateway:

- Block Sender
- Block in Dictionary

Use Case: Blocking phishing attacks

SOAR can follow the email inboxes for user’s phishing reports and automatically creates an incident record on its service desk. To stop the phishing campaigns, SOAR can extract the sender address, IP, e-mail subject and block them on Symantec Messaging Gateway.

This can be performed automatically within a playbook or manually by an analyst.

Configuration

Prerequisites

- SOAR connects to Symantec Messaging Gateway via HTTPS. Access to 443/tcp port is required.
- A user account for SOAR to connect Symantec Messaging Gateway.

Configuring Symantec Messaging Gateway

1. Click **Administration** > **Users** and select **Create a new administration policy** to create an administrator account. Select **Manage Policies right**.

   Disable all other rights since they are unnecessary.
2. Click **Content** > **Dictionaries** to create a dictionary.

3. To block hosts and IP addresses, SOAR uses **Local Bad Sender IPs** and**Local Bad Sender Domains**.

Configuring SOAR

1. Navigate to **Configuration** > **Credentials** and click **Create Credential.**
2. Fill the **Credential Editor** form with following parameter values:
   a. **Internal Credential:**

Parameter	Value
Type	Internal Credential
Name	Display name of credential set (For example, Symantec Messaging Gateway Credential)
Username	Username you have created of SOAR on Symantec Messaging Gateway
Password	Password of the user you have created of SOAR on Symantec Messaging Gateway.
Private Key	Empty

   b. Credential Store

Parameter	Value
Type	External Credential
Name	Name of the credential with full path of the safe on store

3. Click **Configuration** > **Integrations** > **Create Integration**.
4. Fill the configuration form with the following parameter values:

Parameter	Value
Name	Display name of Symantec Messaging Gateway integration on SOAR.
Type	Symantec Messaging Gateway.
Address	Address of the integration (the format must be192.168.2.212).)
Configuration	You need to specify the following configuration parameters. You can define multiple dictionaries by seperating "|", for example, dictionary.name=SOAR Dictionary 1 | SOAR Dictionary 2
Credential	Name of the credential set you've just created on step 2 (for example, Symantec Messaging Credential.

Parameter	Value
Trust Invalid SSL Certificates	Select this if Symantec Messaging Gateway’s certificate is self-signed or not recognized by browserss.
Require Approval From	Select user(s) from list to ask her/his approval before executing actions on this integration.
Notify	Select user(s) from the list to notify when SOAR performs an action on this integration.

5. Click **Test** to test the integration.
6. Click **Save** to complete integration.

Integration Guide for Tenable Nessus

Integration Overview

Tenable Nessus is a vulnerability scanner used to detect vulnerabilities on the network. SOAR uses Tenable Nessus to gather vulnerability information to enrich incidents' context.

Integration Capabilities

- Action
- Get Scan List
- Get All Vulnerabilities on a Scan

Configuration

ConfiguringTenable Nessus

- SOAR connects to Tenable Nessus' API via HTTPS. Therefore SOAR must be able to connect this service.
- A user credential is required.

Configuration on SOAR

Configuring SOAR

1. Navigate to **Configuration** > **Integrations**.
2. In the **Integrations Editor**, specify the following parameter values:

Parameter	Value
Name	Display name of Tenable Nessus integration on SOAR
Type	Tenable Nessus.
Address	Address of the integration (in the following format: http[s]://1.1.1.1:1234 or http [s]://abc.example.com:1234
Credential	Credential defined for the integration under the **Credentials** menu

Parameter	Value
Trust Invalid SSL Certificates	Select this if Engine’s certificate is self-signed or is not recognized by browsers
Require Approval From	Select users from the list who can provide approval before executing actions on this integration
Notify	Select users from the list to notify when SOAR performs an action on this integration

3. Click **Test** to test the integration.
4. Click **Save** to complete the integration.

Integration Guide for Tenable Security Center

Integration Overview

Tenable Security Center (Tenable SC) is a vulnerability management solution that provides visibility into network by identifying all vulnerabilities, misconfigurations and malware attack on assets and gives ability to manage and measure your cyber risk.

SOAR has the following integration capabilities with Tenable Security Center:

- Get Assets
- Get Vulnerabilities (System-wide)
- Get Vulnerabilities on IP

.**Use Case: Getting vulnerability details of assets**

SOAR can integrate with Tenable Security Center to gather additional information about an asset during incident investigation. Knowing existing vulnerabilities on a system can help SOC analysts to understand possible root cause of an incident more precisely.

Configuration

Prerequisites

- SOAR connects to Tenable Security Center's API using HTTPS. Typically an access permission to 443/tcp port is required.
- A user account for SOAR to connect to Tenable Security Center.

Configuring Tenable Security Center

1. Login to Tenable Security Center with Security Manager User.

   > Note: This user account is different from admin account.

2. Navigate to **Users**> **Groups** and add a group to define the objects that SOAR can access. You must at select atleast one item from **Viewable Hosts and Repositories lists**.

   There is no need to share any object under **Share to Group** tab.

3. To add user for SOAR access, navigate to **Users** > **Users**. Select **No Role** and **SOAR Access Group** in **Membership**.

Configuring SOAR

1. Navigate to **Configuration** > **Credentials** and click **Create Credential.**
2. Fill the **Credential Editor** form with following parameter values:
   a. **Internal Credential:**

Parameter	Value
Type	Internal Credential
Name	Display name of credential set (For example, Tenable SC Credential
Username	User you have created of SOAR on Tenable Security Center.
Password	Password of the user you have created of SOAR on Tenable Security Center.
Private Key	Empty

3. Click **Configuration** > **Integrations** > **Create Integration**.
4. Fill the configuration form with the following parameter values:

Parameter	Value
Name	Display name of Tenable Security Center integration on SOAR.
Type	Tenable Security Center.
Address	Address of the integration (the format must be https://1.1.1.1:1234 or https://abc.example.com:1234)
Credential	Name of the credential set you've just created on step 2 (for example, Tenable SC Credential.
Trust Invalid SSL Certificates	Select this if Engine's certificate is self-signed or not recognized by browserss.
Require Approval From	Select user(s) from list to ask her/his approval before executing actions on this integration.
Notify	elect user(s) from the list to notify when SOAR performs an action on this integration.

5. Click **Test** to test the integration.
6. Click **Save** to complete integration.

Integration Guide for Trend Micro Apex Central

Integration Overview

Trend Micro Apex Central is a web-based console that provides centralized management for Trend Micro products and services at the gateway, mail server, file server and corporate desktop levels.

Integration Capabilities

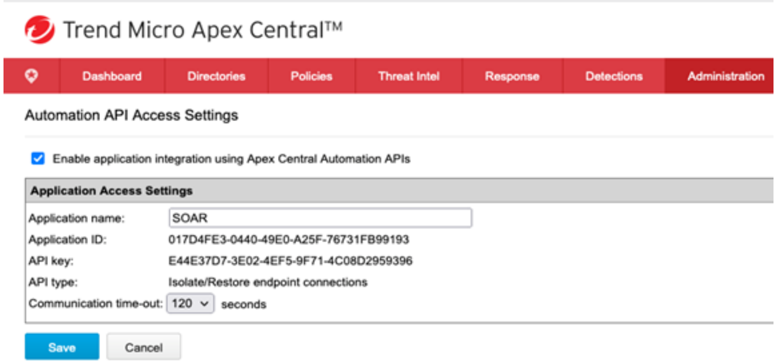
- Quarantine

Prerequisites

- Access to the HTTPS is needed as ArcSight SOAR connects to Trend Micro Apex Central API through this service.

Configuring Trend Micro Apex Central

1. Login to Trend Micro Apex Central and navigate to **Administration** tab.
2. Click **Settings** < **Automation API Access Settings** and add a new application as follows:



Automation API Access Settings

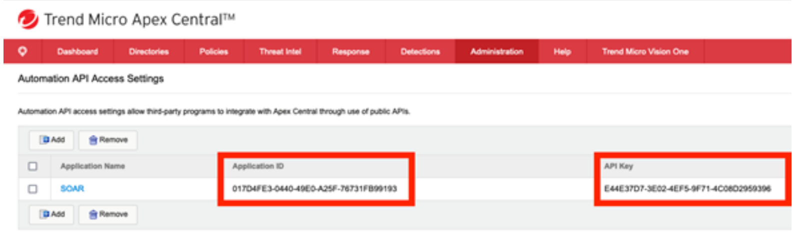
☑ Enable application integration using Apex Central Automation APIs

Application Access Settings

Application name: SOAR
Application ID: 017D4FE3-0440-49E0-A25F-76731FB99193
API key: E44E37D7-3E02-4EF5-9F71-4C08D2959396
API type: Isolate/Restore endpoint connections
Communication time-out: 120 seconds

3. Note down the **Application ID** and **API Key** (for your reference later) after saving the

application as follows:



Automation API Access Settings

Automation API access settings allow third-party programs to integrate with Apex Central through use of public APIs.

□	Application Name	Application ID	API Key
□	SOAR	017D4FE3-0440-49E0-A25F-76731FB99193	E44E37D7-3E02-4EF5-9F71-4C08D2959396

Configuring SOAR

1. Click **Configuration** > **Credentials** > **Create Credentials**.
2. Specify the following parameter values in the **Credential Editor**:

   Internal Credential:

Parameter	Value
Type	Internal Credential
Name	Display name of credential set (For example, Trend Micro Apex Central Credentials)
Username	Empty
Password	Application ID that you've noted from created application.
Private Key	API Key that you have noted before from the created application.

3. Click **Configuration** >**Integrations**> **Create Integration.**

   Specify the following parameter values in the **Configuration** form.:

Parameter	Value
Name	Display name of Trend Micro Apex Central integration on SOAR
Type	Trend Micro Apex Central
Address	Address of the integration (the format must be (https://czbxlz.manage.trendmicro.com)
Credential	Name of the credential set that you created on step 2. (For example, Trend Micro Apex Central Credentials).

Parameter	Value
Trust Invalid SSL Certificates	Select this if Trend Micro Apex Centrals certificate is self signed or it is not recognized by browsers.
Require Approval Form	Select user(s) from list who can provide approval before executing actions on this integration.
Notify	Select user(s) from the list to notify when SOAR performs an action on this integration.

4. Click **Save** to save the integration definition.
5. Navigate to **Configuration**>**Customization Library** and edit **Trend Micro Apex Central Advanced Action Script Default Script Template**.
6. Select the integration that you have added to **Integrations** menu.
7. Click **Save** to complete the integration.
8. Click **Test**, an **Integration Successful** message is displayed if the credential and address are valid

Capablities

Quarantine

Action capability for quarantine a Hostname, IP address and MAC addresss.

- Rollback: Yes
- Duplicate Control: No

Input Parameter	Description	Type	Scope Restricted Yes/No	Required Yes/No
Rollback Mode	Time to rollback this action. Default is no-rollback.	N/A	N/A	No
MAC Address / Network Address / Hostname	MAC Address/Network Address/Hostname to quarantine	MAC Address Network Address Hostname	Yes	Yes

Output:

Case Scope: N/A

Human Readable Output: N/A

Integration Guide for Trend Micro Vision One

Integration Overview

Trend Micro Vision One is a purpose-built threat defense platform that provides added value and new benefits beyond XDR solutions, allowing you to see more and respond faster.

Integration Capabilities

ArcSight SOAR has the following integration capabilities with Trend Micro Vision One:

- Get Observed Attack Techniques
- Query Operating Systems
- Get Exception List
- Get Suspicious Object List
- Add Objects to Suspicious Object List
- Add Objects to Exception List
- Delete Objects from Suspicious Object List
- Delete Objects from Except List
- Prerequisites

You must have access to HTTPS as the ArcSight SOAR connects to Trend Micro Vision One to API through this service.

Configuration

Configuring Trend Micro Vision One

1. Login to the **Vision Platform** and create a user with the **Master Administrator** role and **Trend Micro Vision One™ console** and **APIs** access level.
2. Get access token of the created user that is used as a credential on ArcSight SOAR.

Configuring SOAR

1. Click **Configuration** > **Credential** > **Create Credential**.
2. Specify the following parameter values in the **Credential Editor** form.

Type	Name	Username	Password	Private Key
Internal credential	Display name of credential set (for example, Trend Micro Vision One Credential).			Bearer<space><access-token>

3. Click **Configuration** > **Integrations** > **Create Integration**.
4. Specify the following parameter values in the **Configuration** form.

<table>
<tr><th>Parameter</th><th>Value</th></tr>
<tr><td>Name</td><td>Display name of the integration.</td></tr>
<tr><td>Type</td><td>Trend Micro Vision One.</td></tr>
<tr><td>Address</td><td>URL of API (for example, API trend micro).</td></tr>
<tr><td>Configuration</td><td>Specify the following configuration parameters:
<table>
<tr><td><b>cache.reusing.duration</b></td><td><b>Configure how far (in minutes) into the past this enrichment will look. For example: cache.reusing.duration=20 .</b></td></tr>
<tr><td><b>proxy.id</b></td><td><b>ID of the proxy integration when you access Trend Micro Vision One through a web proxy device. For example, proxy.id = 12345 .</b></td></tr>
</table></td></tr>
<tr><td>Credential</td><td>Credential that has been defined for this integration under the <b>Credentials</b> menu.</td></tr>
<tr><td>Trust Invalid SSL Certificates</td><td>Select this if web server’s certificate is self-signed or is not recognized by browsers.</td></tr>
<tr><td>Require Approval From</td><td>Select user(s) from list to ask the approval before executing actions on this integration.</td></tr>
<tr><td>Notify</td><td>Select user(s) from the list to notify when SOAR performs an action on this integration.</td></tr>
</table>

5. Click **Save** to save the integration definition.
6. Navigate to **Configuration>Customization Library** and edit **Trend Micro Vision One Advanced Action Script Default Template**.
7. Select the integration that you have added to **Integrations** menu.
8. Click **Save** to complete the integration.
9. Click **Test**, an **Integration Successful** message is displayed if the credential and address are valid.

Capabilities

1. **Get Observed Attack Techniques**
   Enrichment capability for getting observed attack techniques.

   The following table presents the **Get Observed Attack Techniques** action capability details:

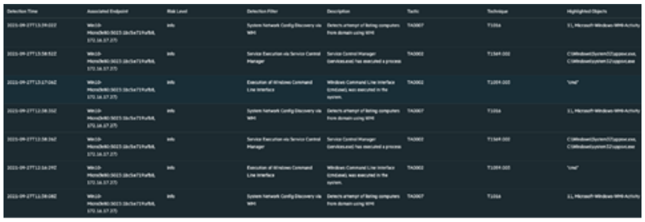
Input Parameter	Description	Type	Scope Restricted (Yes/ No)	Required (Yes/ No)
Integration	Name of the third party integration.	Integration	No	Yes
Risk Levels	Single or comma seperated risk values (high, critical, low, info, undefined, medium).	Text	No	No
Tactic IDs	Single or comma seperated tactid id values .	Text	No	No
Technique IDs	Single or comma seperated technique id values.	Text	No	No
Name Filter	Detection Filter name .	Text	No	No
Endpoint Name	Name of the endpoint.	Computer Name, Hosy, Keyword, Unknown	Yes	No
Time Range	Time range for attack times.	Time Range	No	Yes

   Output:

   Case Scope:

Action	Type	Category/ Value
Add	Scope Item	Keyword (Related)

   Human Readable Output:



Detection Time	Associated Endpoint	Risk Level	Detection Filter	Description	Tactic	Technique	Highlighted Objects
[illegible]	[illegible]	info	System Network Config Discovery via WMI	Detects attempt of listing computers from domain using WMI	TA0007	T1016	[illegible]
[illegible]	[illegible]	info	Service Execution via Service Control Manager	Service Control Manager (services.exe) has executed a process	TA0002	T1569.002	[illegible]
[illegible]	[illegible]	info	Execution of Windows Command Line Interface	Windows Command Line Interface (cmd.exe), was executed in the system.	TA0002	T1059.003	"cmd"
[illegible]	[illegible]	info	System Network Config Discovery via WMI	Detects attempt of listing computers from domain using WMI	TA0007	T1016	[illegible]
[illegible]	[illegible]	info	Service Execution via Service Control Manager	Service Control Manager (services.exe) has executed a process	TA0002	T1569.002	[illegible]
[illegible]	[illegible]	info	Execution of Windows Command Line Interface	Windows Command Line Interface (cmd.exe), was executed in the system.	TA0002	T1059.003	"cmd"
[illegible]	[illegible]	info	System Network Config Discovery via WMI	Detects attempt of listing computers from domain using WMI	TA0007	T1016	[illegible]

2. **Query Operating Systems**

   Enrichment capability for operating system information for all agents active in the last seven days.

   The following table presents the **Query Operating Systems** action capability details:

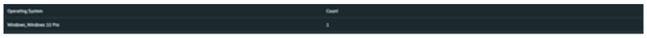
Input Parameter	Description	Type	Scope Restricted (Yes/ No)	Required (Yes/ No)
Integration	Name of the third party integration.	Integration	No	Yes

Output:

Case Scope:

Action	Type	Category/ Value
Add	Scope Item	Keyword (Related)

Human Readable Output:



Operating System	Count
Windows_Windows 10 Pro	1

3. **Get Exception List**
   Enrichment capability for information about domains, file SHA-1 values, IP addresses, or URLs that are in the Exception List.

   The following table presents the **Get Exception List** action capability details:

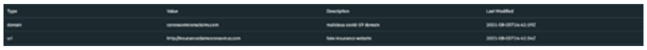
Input Parameter	Description	Type	Scope Restricted (Yes/ No)	Required (Yes/ No)
Integration	Name of the third party integration.	Integration	No	Yes
Type	Single or comma seperated types ("domain", "ip", "sha1", "url").	Text	No	No

Output:

Case Scope:

Action	Type	Category/ Value
Add	Scope Item	Keyword (Related)

Human Readable Output:



Type	Value	Description	Last Modified
domain	coronavirusinsuranceclaims.com	malicious covid-19 domain	2021-08-05T14:42:35Z
url	http://insuranceclaimscoronavirus.com	fake insurance website	2021-08-05T14:42:54Z

4. **Get Suspicious Object Lists**
   Enrichment capability for information about domains, file SHA-1 values, IP addresses, or URLs that are in the Suspicious Object List

   The following table presents the **Get Suspicious Object** action capability details:

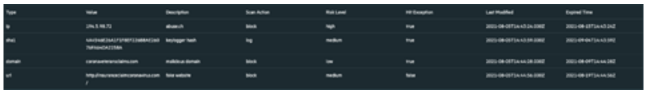
Input Parameter	Description	Type	Scope Restricted (Yes/ No)	Required (Yes/ No)
Integration	Name of the third party integration.	Integration	No	Yes
Type	Single or comma seperated types ("domain", "ip", "sha1", "url").	Text	No	No
Content Filter	Filters the list to suspicious objects that exactly match the specified string.	Text	No	No

Output:

Case Scope:

Action	Type	Category/ Value
Add	Scope Item	Keyword (Related)

Human Readable Output:



Type	Value	Description	Scan Action	Risk Level	In Exception	Last Modified	Expired Time
ip	194.5.98.72	abuse.ch	block	high	true	2021-08-05T14:43:24.000Z	2021-08-15T14:43:24Z
sha1	[illegible]	keylogger hash	log	medium	true	2021-08-05T14:43:59.000Z	2021-09-04T14:43:59Z
domain	coronaveteransclaims.com	malicious domain	block	low	true	2021-08-05T14:44:28.000Z	2021-08-09T14:44:28Z
url	http://insurancecaimcoronavirus.com/	false website	block	medium	false	2021-08-05T14:44:56.000Z	2021-08-19T14:44:56Z

5. **Add Objects to Suspicious Object List**

   Action capability for Adding domains, file SHA-1 values, IP addresses, or URLs to the Suspicious Object List.

   - Rollback: Yes
   - Duplicate Check: No

   The following table presents the **Add Objects to Suspicious Object List** action capability details:

Input Parameter	Description	Type	Scope Restricted (Yes/No)	Required (Yes/No)
Rollback Mode	Time to rollback this action. Default is no-rollback.	Relative Time	No	No
Value	The value of the suspicious object which will be added.	Host, Network Address, Hash, URL	Yes	Yes
Description	Record description info.	Text	No	No

Input Parameter	Description	Type	Scope Restricted (Yes/No)	Required (Yes/No)
Scan Action	Suspicious object record scan action, when not set, use system default settings. Risk Level. Type's scan action.	Enum	No	No
Risk Level	Suspicious object risk level when not set, use default value - high.	Enum	No	No
Expired Day	Suspicious object record expired day, when not set, use system default settings. Expired Day.	Text	No	No

Output:

Case Scope:

Action	Type	Category/ Value
Add	Scope Item	Keyword (Related)

Human Readable Output: N/A

6. **Add Objects to Exception List**

Action capability for Adding domains, file SHA-1 values, IP addresses, or URLs to the Exception List and prevents these objects from being added to the Suspicious Object List.

- Rollback: Yes
- Duplicate Check: No

The following table presents the **Add Objects to Exception List** action capability details:

Input Parameter	Description	Type	Scope Restricted (Yes/ No)	Required (Yes/ No)
Rollback Mode	Time to rollback this action. Default is no-rollback.	Integration	No	Yes
Value	Suspicious object record value,it support full match or partial match, DOMAIN partial match: (with a wildcard before 1st, example, example.com) IP partial match: (ip range example, 200.102.35.1-200.102.35.254,cidr example: 200.102.35.1/24) URL Partial match: (support wildcard 'http://.'', 'https://.'' at beginning, or ''' at the end, or both two wildcards, example, https://.example.com/path1/) SHA1 (only full match).	Text	No	No
Description	Exception description info.	Text	No	No

Output:

Case Scope:

Action	Type	Category/ Value
Add	Scope Item	Keyword (Related)

Human Readable Output: N/A

7. **Delete Objects from Exception List**
Action capability for Deleting domains, file SHA-1 values, IP addresses, or URLs from the Exception List.
    - Rollback: Yes
    - Duplicate Check: No
    The following table presents the **Delete Objects from Exception List** action capability details:

Input Parameter	Description	Type	Scope Restricted (Yes/ No)	Required (Yes/ No)
Rollback Mode	Time to rollback this action. Default is no-rollback.	Relative Time	No	No
Value	Suspicious object record exception value.	Host, Network Address, Hash, URL	Yes	Yes

Output:

Case Scope:

Action	Type	Category/ Value
Add	Scope Item	Keyword (Related)

Human Readable Output: N/A

8. **Delete Objects from Suspicious Object List**
Action capability for Deleting domains, file SHA-1 values, IP addresses, or URLs from the Suspicious Object List:
    - Rollback: Yes
    - Duplicate Check: No

The following table presents the **Delete Objects from Suspicious Object List** action capability details:

Input Parameter	Description	Type	Scope Restricted (Yes/ No)	Required (Yes/ No)
Rollback Mode	Time to rollback this action. Default is no-rollback.	Relative Time	No	No
Value	Suspicious object record exception value.	Host, Network Address, Hash, URL	Yes	Yes

Output:

Case Scope:

Action	Type	Category/ Value
Add	Scope Item	Keyword (Related)

Human Readable Output: N/A

Integration Guide for Turkcell Threat Intelligence

Integration Overview

Turkcell Threat Intelligence is a service which lets users to query reputation of Indicators of Compromise such as data leakage, brand protection, and vulnerability modules.

Integration Capabilities

ArcSight SOAR has the following integration capabilities with Turkcell Threat Intelligence:

- Domain Query
- Email Query
- Hash Query
- IP Query

Use Case: Investigating Phishing Campaigns

SOAR integrates with Turkcell Threat Intelligence or Bozok to investigate and mitigate phishing campaigns. SOAR extracts the indicators such as sender address, IP address, and URLs from a phishing report email of the user and creates a new incident on the Incident Management Service Desk. SOAR then checks with Turkcell Threat Intelligence or Bozok if this is a known attack and previously analyzed. This investigation can either be performed automatically within a playbook or manually by an analyst.

Configuration

Prerequisites

- Access to https://bozok.turkcell.com.tr (443/tcp port) as SOAR connects to Turkcell Threat Intelligence/Bozok API through HTTPS
- An API key for SOAR to connect to Turkcell Threat Intelligence/Bozok service

Configuration on Turkcell Threat Intelligence or Bozok

- No specific configuration is needed on Turkcell Threat Intelligence or Bozok.

Configuring SOAR

1. Click **Configuration** > **Credentials** > **Create Credential**.
2. Specify the following parameter values in the **Credential Editor form**:

a. Internal Credential:

Parameter	Value
Type	Internal Credential
Name	Display name of credential set (For example, Turkcell Threat Intelligence Credentials)
Username	Empty
Password	Empty
Private Key	API key obtained from the service provider

b. Credential Store:

Parameter	Value
Type	External credential
Name	Name of the credential with full path of the safe on store

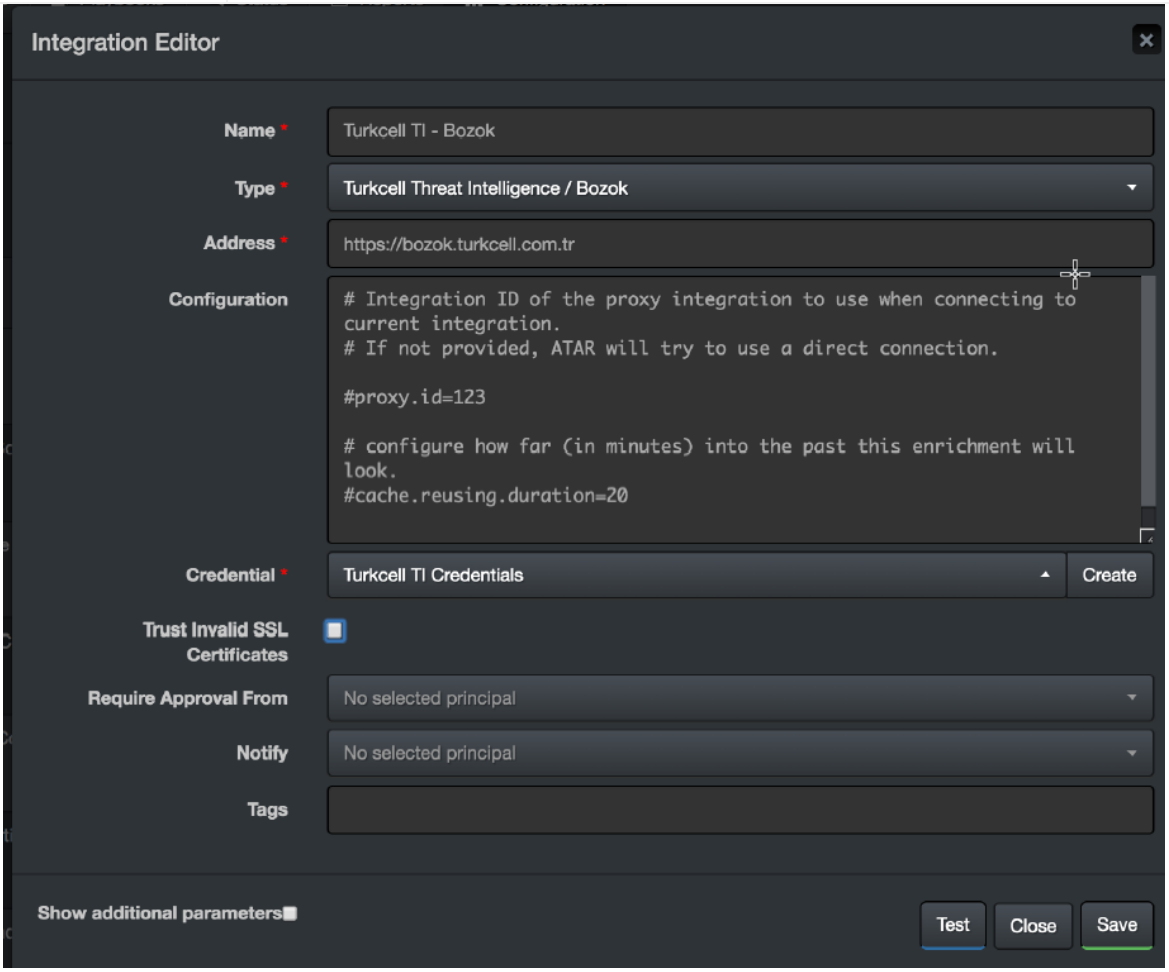
3. Click **Configuration** > **Integrations** > **Create Integration**.
4. Specify the following parameter values in the **Configuration form**:

Parameter	Value
Name	Display name of Turkcell Threat Intelligence integration on SOAR
Type	Turkcell Threat Intelligence
Address	Address of Turkcell Threat Intelligence service(in the following format: (https://bozok.turkcell.com.tr)
Credential	Name of the credential set created (For example, Turkcell Threat Intelligence Credentials)
Trust Invalid SSL Certificates	Unselect

Parameter	Value

Configuration	Specify the following configuration parameters:
	`# Integration ID of the proxy integration to use when connecting to current integration.`
	`# If not provided, SOAR will try to use a direct connection.`
	`proxy.id=5434`
	`# configure how far (in minutes) into the past this enrichment will look.`
	`cache.reusing.duration=60`

Require Approval From	Not applicable as SOAR executes enrichment on Turkcell Threat Intelligence
Notify	Not applicable as SOAR executes enrichment on Turkcell Threat Intelligence



Integration Editor

Name *: Turkcell TI - Bozok

Type *: Turkcell Threat Intelligence / Bozok

Address *: https://bozok.turkcell.com.tr

Configuration:

```
# Integration ID of the proxy integration to use when connecting to
current integration.
# If not provided, ATAR will try to use a direct connection.

#proxy.id=123

# configure how far (in minutes) into the past this enrichment will
look.
#cache.reusing.duration=20
```

Credential *: Turkcell TI Credentials

Trust Invalid SSL Certificates: □

Require Approval From: No selected principal

Notify: No selected principal

Tags:

Show additional parameters □

5. Click **Test** to test the integration.
6. Click **Save** to save the integration.

Integration Guide for Udger

Integration Overview

Udger is a query detection repository service that works for both cloud-based and local executions. Udger also provides Data Center name of given IP and many more.

Integration Capabilities

ArcSight SOAR has the following integration capabilities with Udger:

- Parse

Prerequisites

- You must have access to HTTPS as the ArcSight SOAR connects to Udger API through this service.
- API Token is needed to access Udger REST API.

Configuration

Configuring Udger

1. Login to udger and navigate to **Products** > **Cloud Parser**.
    - Click **Subscribe Now**.
    - Select **Subscription Package** > **Activate**.

      > Note: You can activate free package for the trial usage

    - The access key is displayed in **My Account** > **General**

      > Note: Copy the access key as this is required during creating credential.

Configuring SOAR

1. Click **Configuration** > **Integration** > **Create Integration**.
2. In **Configuration Editor**, select **Udger** in **List of Type**.
3. Navigate to **Credential** and click **Create** to create new credential. Specify following values in the **Credential Editor**:

Type	Username	Password	Private Key	Check
Internal Credential			**Access Key** that is copied from **Udger** web site (navigate to **My Account** > **General** tab on Udger UI).	**Clear Text Access** checkbox.

4. Click **Save** to save the integration definition.
5. Navigate to **Configuration**>**Customization Library** and edit **Udger Advanced Action Script Default Template**.
6. Select the integration that you have added to **Integrations** menu.
7. Click **Save** to complete the integration.
8. Click **Test**, an **Integration Successful** message is displayed if the credential and address are valid.

Capabilities

1. **Parser**
   Parsing given IP and return JSON detail including Datacenter Name

   The following table presents the **Parser** capability details:

Input Parameter	Description	Type	Scope Restricted (Yes/ No)	Required (Yes/ No)
IP	A valid IP Address to retrieve data.	Network Address Host	Yes	Yes
User Agent	User Agent information to query on IP.	Unknown Keyword	Yes	No

   Output:

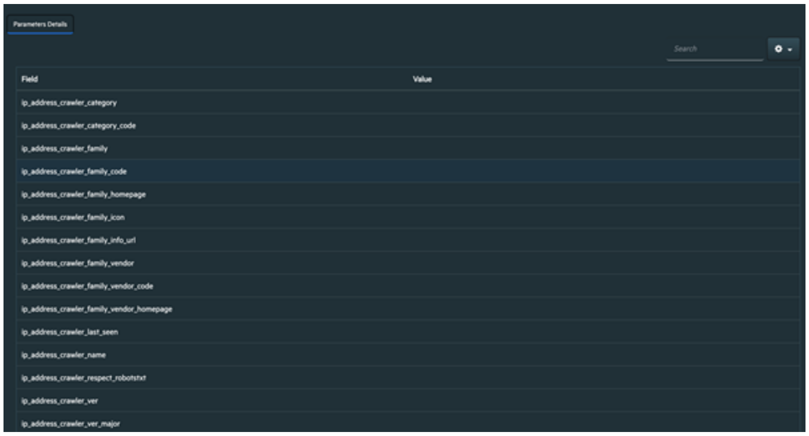
   Case Scope:

   Scope Item Property **Cloud Name** is added to the related scope item. When you click the related scope item to view its properties, a cloud name result is displayed.

   The following table presents the case scope details:

Action	Type	Category/ Value
Set	Scope Item Property	Cloud Name

Human Readable Output:



Field	Value
ip_address_crawler_category	
ip_address_crawler_category_code	
ip_address_crawler_family	
ip_address_crawler_family_code	
ip_address_crawler_family_homepage	
ip_address_crawler_family_icon	
ip_address_crawler_family_info_url	
ip_address_crawler_family_vendor	
ip_address_crawler_family_vendor_code	
ip_address_crawler_family_vendor_homepage	
ip_address_crawler_last_seen	
ip_address_crawler_name	
ip_address_crawler_respect_robotstxt	
ip_address_crawler_ver	
ip_address_crawler_ver_major	

Integration Guide for Urlscan

Integration Overview

The **URLscan** API allows you to submit URLs to scan, retrieve scan results, download Document Object Model (DOM) snapshots and page screenshots and search existing scans for different types of indicators.

Integration Capabilities

ArcSight SOAR has the following integration capabilities with urlscan:

- Search Domain
- Search Hash
- Search IP
- Search URL
- Submit URL

Configuration

Prerequisites

- You must have access to HTTPS as the ArcSight SOAR connects to urlscan io API through this service.
- URLScan requires an API key for access.

Configuring SOAR

1. Click **Configuration** > **Credential** > **Create Credential**.
2. Specify the following parameter values in the **Credential Editor** form:

Type	Name	Username	Password	Private Key
Internal credential	Display name of credential set (for example, URL Scan API Credential).	Empty	Empty	Access Token

3. Click **Configuration** > **Integrations** > **Create Integration**.

4. Specify the following parameter values in the **Configuration** form.

Parameter	Value
Name	Display name of the integration.
Type	Urlscan.io
Address	Address of the integration (the format must be https://urlscan.io).
Configuration	Specify the following configuration parameters: **proxy.id** — **ID of the proxy integration if you access Urlscan.io through a web proxy device. For example: proxy.id = 12345 .**
Credential	Credential that has been defined for this integration in the **Credentials** menu.
Trust Invalid SSL Certificates	Select this if web server's certificate is self-signed or is not recognized by browsers.
Require Approval From	Select user(s) from list to ask the approval before executing actions on this integration.
Notify	Select user(s) from the list to notify when SOAR performs an action on this integration.

5. Click **Save** to save the integration definition.
6. Navigate to **Configuration**>**Customization Library** and edit **Urlscan Advanced Action Script Default Template**.
7. Select the integration that you have added in the **Integrations** menu.
8. Click **Save** to complete the integration.
9. Click **Test**, an **Integration Successful** message is displayed if the credential and address are valid.

Capabilities

1. **Search Domain**

   Enrichment capability for retrieving domain information for a relative time range.

   The following table presents the **Search Domain** action capability details:

Input Parameter	Description	Type	Scope Restricted (Yes/ No)	Required (Yes/ No)
Bucket Name	Name of the third party integration.	Integration	N/A	Yes
Domain	Domain to be queried from Urlscan.	Hash	Yes	Yes

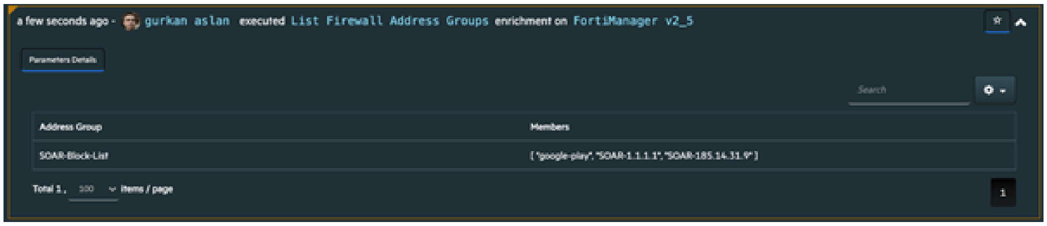
Input Parameter	Description	Type	Scope Restricted (Yes/ No)	Required (Yes/ No)
Relative Time Range	Specific relative time period that will be checked.	Time unit Hour (s) Day(s) Week(s) Month(s)	N/A	Yes

Output:

Case Scope:

Enrichment	Type	Category Value
None	N/A	N/A

Human Readable Output:



a few seconds ago - gurkan aslan executed List Firewall Address Groups enrichment on FortiManager v2_5

Address Group	Members
SOAR-Block-List	["google-play", "SOAR-1.1.1.1", "SOAR-185.14.31.9"]

Total 1 , 100 items / page

2. Search Hash

Enrichment capability for retrieving hash information for a relative time range.

The following table presents the **Search Hash** action capability details:

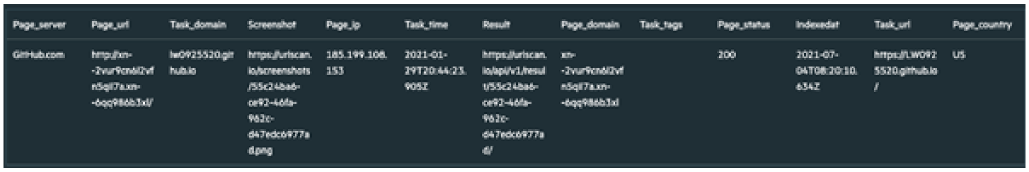
Input Parameter	Description	Type	Scope Restricted (Yes/ No)	Required (Yes/ No)
Integration	Name of the third party integration.	Integration	N/A	Yes
SHA-256	SHA-256 hash value to be queried from Urlscan.	Hash	Yes	Yes
Relative Time Range	Specific relative time period that will be checked.	**Time unit** Hour (s) Day(s) Week(s) Month(s)	N/A	Yes

Output:

Case Scope:

Enrichment	Type	Category Value
None	N/A	N/A

Human Readable Output:



Page_server	Page_url	Task_domain	Screenshot	Page_ip	Task_time	Result	Page_domain	Task_tags	Page_status	Indexedat	Task_url	Page_country
GitHub.com	http://xn--2vur9cn6l2vfn5qil7a.xn--6qq986b3xl/	lw0925520.github.io	https://urlscan.io/screenshots/55c24ba6-ce92-46fa-962c-d47edc6977ad.png	185.199.108.153	2021-01-29T20:44:23.905Z	https://urlscan.io/api/v1/result/55c24ba6-ce92-46fa-962c-d47edc6977ad/	xn--2vur9cn6l2vfn5qil7a.xn--6qq986b3xl		200	2021-07-04T08:20:10.634Z	https://LW0925520.github.io/	US

3. **Search IP**

Enrichment capability for retrieving IP information for a relative time range.

The following table presents the **Search IP** action capability details:

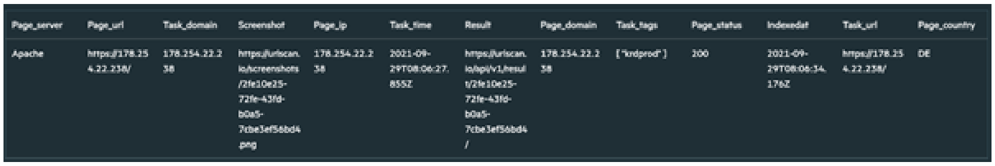
Input Parameter	Description	Type	Scope Restricted (Yes/ No)	Required (Yes/ No)
Integration	Name of the third party integration.	Integration	N/A	Yes
IP	Network address to be queried from Urlscan.	Network Address	Yes	Yes
Relative Time Range	Specific relative time period that will be checked.	**Time unit** Hour (s) Day(s) Week(s) Month(s)	N/A	Yes

Output:

Case Scope:

Enrichment	Type	Category Value
None	N/A	N/A

Human Readable Output:



Page_server	Page_url	Task_domain	Screenshot	Page_ip	Task_time	Result	Page_domain	Task_tags	Page_status	Indexedat	Task_url	Page_country
Apache	https://178.254.22.238/	178.254.22.238	https://urlscan.io/screenshots/2fe10e25-72fe-43fd-b0a5-7cbe3ef56bd4.png	178.254.22.238	2021-09-29T08:06:27.855Z	https://urlscan.io/api/v1/result/2fe10e25-72fe-43fd-b0a5-7cbe3ef56bd4/	178.254.22.238	["krdprod"]	200	2021-09-29T08:06:34.176Z	https://178.254.22.238/	DE

4. **Search URL**

Enrichment capability for retrieving URL information for a relative time range..

The following table presents the **Search URL** action capability details:

Input Parameter	Description	Type	Scope Restricted (Yes/ No)	Required (Yes/ No)
Integration	Name of the third party integration.	Integration	N/A	Yes
URL	URL to be queried from Urlscan.	URL	Yes	Yes

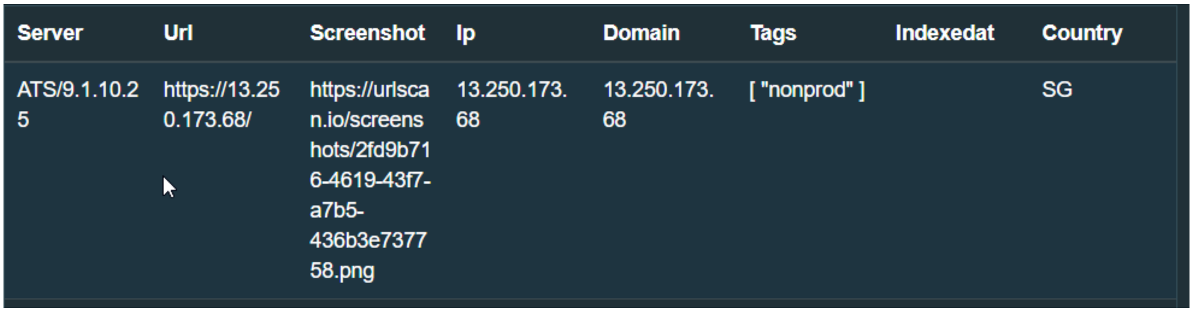
Input Parameter	Description	Type	Scope Restricted (Yes/ No)	Required (Yes/ No)
Relative Time Range	Specific relative time period that will be checked.	Time unit Hour (s) Day(s) Week(s) Month(s)	N/A	Yes

Output:

Case Scope:

Enrichment	Type	Category Value
None	N/A	N/A

Human Readable Output:



Server	Url	Screenshot	Ip	Domain	Tags	Indexedat	Country
ATS/9.1.10.25	https://13.250.173.68/	https://urlscan.io/screenshots/2fd9b716-4619-43f7-a7b5-436b3e737758.png	13.250.173.68	13.250.173.68	["nonprod"]		SG

5. **Submit URL**

Enrichment capability for submitting a URL for investigation.

The following table presents the **Submit URL** action capability details:

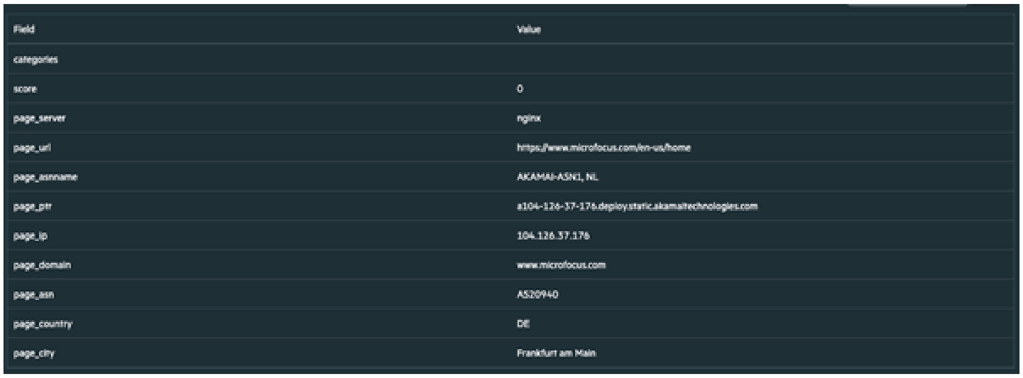
Input Parameter	Description	Type	Scope Restricted (Yes/ No)	Required (Yes/ No)
Integration	Name of the third party integration.	Integration	N/A	Yes
URL	URL to be queried from Urlscan.	URL	Yes	Yes
Tag	User-defined tags to annotate this scan, for example, phishing or malicious. Limited to 10 tags.	String	N/A	No
Visibility	Submitting visibility option which could either be Public, Private or Unlisted	String Public Unlisted Private	N/A	Yes
Do not Use Cache	If this option is checked, SOAR does not use cached results.	Boolean	N/A	No

Output:

Case Scope:

Enrichment	Type	Category Value
None	N/A	N/A

Human Readable Output:



Field	Value
categories	
score	0
page_server	nginx
page_url	https://www.microfocus.com/en-us/home
page_asnname	AKAMAI-ASN1, NL
page_ptr	a104-126-37-176.deploy.static.akamaitechnologies.com
page_ip	104.126.37.176
page_domain	www.microfocus.com
page_asn	AS20940
page_country	DE
page_city	Frankfurt am Main

Integration Guide for VirusTotal

Integration Overview

VirusTotal inspects suspicious files and URLs to detect types of malware with over seventy antivirus scanners and URLs or domain blacklisting services, in addition to a myriad of tools to extract signals from the studied content.

Integration Capabilities

SOAR has the following integration capability with VirusTotal:

- Domain Query
- Domain/Downloaded Files Query
- Domain/Subdomains Query
- Domain/URLs Query
- File Query
- Hash Query
- IP Query
- IP/Downloaded Files Query
- IP/Passive DNS Query
- IP/URLs Query
- URL Query

Use Case: Blocking access to malicious URL

During the investigation of an attack, SOAR checks for suspicious IP addresses, URLs, files, and hash values to VirusTotal if these indicators are known and previously analyzed. According to returned confidence score, SOAR decides on the next course of action. This investigation can either be performed automatically within a playbook or manually by an analyst.

Configuration

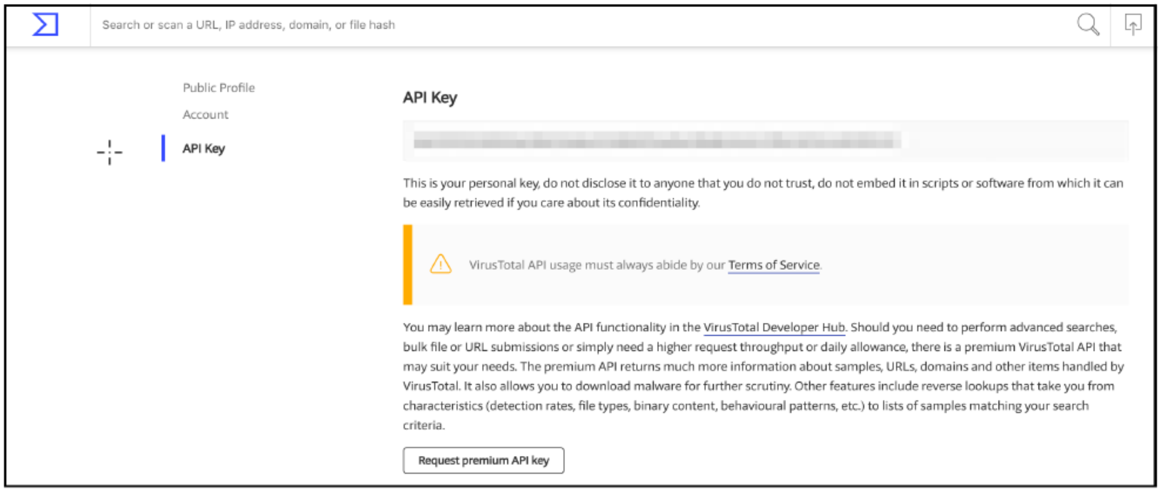
Prerequisites

- VirusTotal API version 3

- Access to tcp port 443 as SOAR connects to VirusTotal API http://www.virustotal.com
- An API key for SOAR to connect to VirusTotal

Configuring VirusTotal

- No specific configuration is needed on VirusTotal.
- Login to https://www.virustotal.com with your username and make a note of the API key under **Settings**> **API Key**.



API Key

[redacted]

This is your personal key, do not disclose it to anyone that you do not trust, do not embed it in scripts or software from which it can be easily retrieved if you care about its confidentiality.

⚠ VirusTotal API usage must always abide by our Terms of Service.

You may learn more about the API functionality in the VirusTotal Developer Hub. Should you need to perform advanced searches, bulk file or URL submissions or simply need a higher request throughput or daily allowance, there is a premium VirusTotal API that may suit your needs. The premium API returns much more information about samples, URLs, domains and other items handled by VirusTotal. It also allows you to download malware for further scrutiny. Other features include reverse lookups that take you from characteristics (detection rates, file types, binary content, behavioural patterns, etc.) to lists of samples matching your search criteria.

Configuring SOAR

1. Click **Configuration** > **Credentials** > **Create Credential**.
2. Specify the following parameter values in the **Credential Editor**:

   a. **Internal Credential**

Parameter	Value
Type	Internal Credential
Name	Display name of credential set (For example, VirusTotal Credentials)
Username	Empty
Password	Empty
Private Key	API Key you have on VirusTotal

   b. **Credential Store:**

Parameter	Value
Type	External Credential
Name	Name of the credential with pull path of the safe on store

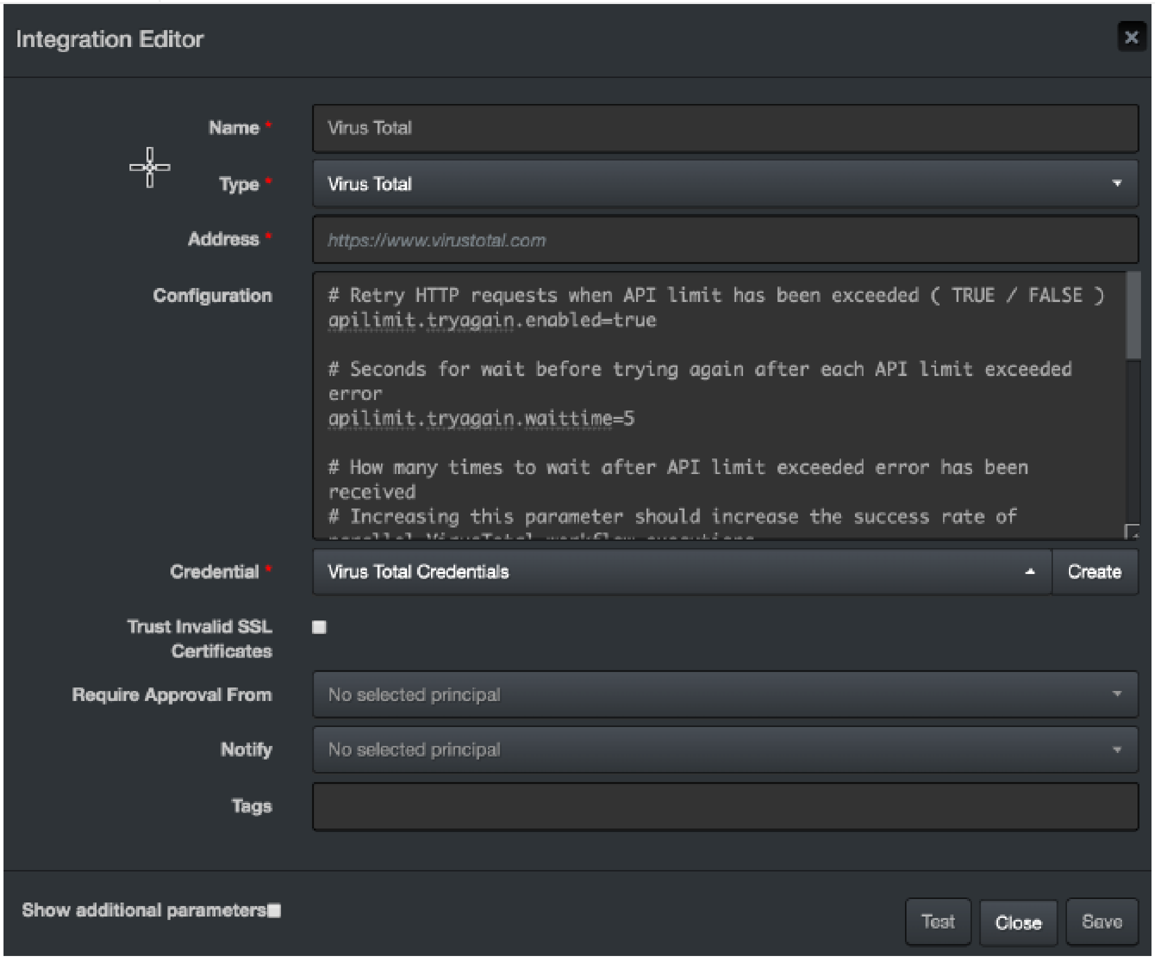
3. Navigate to **Configuration** > **Integrations** > **Create Integration**.
4. Specify the following parameter values in the **Configuration form**:

Parameter	Value
Name	Display name of VirusTotal integration on SOAR
Type	VirusTotal
Address	Address of the integration (in the following format https://www.virustotal.com)
Configuration	Specify the following configuration parameters:

```
# Retry HTTP requests when API limit has
been exceeded ( TRUE / FALSE )
apilimit.tryagain.enabled=true
# Seconds for wait before trying again
after each API limit exceeded error
apilimit.tryagain.waittime=5
apilimit.tryagain.waittime=5
# How many times to wait after API limit
exceeded error has been received
# Increasing this parameter should increase
 the success rate of parallel VirusTotal workflow
apilimit.tryagain.waitlimit=3
# Integration ID of the proxy integration
to use when connecting to current integration.
# If not provided, ATAR will try to use a
direct connection.
#proxy.id=123
# configure how far (in minutes) into
the past this enrichment will look.
#cache.reusing.duration=20
# Enrichment timeout duration after
 start time ( in seconds

)
scan.query.timeout=3600
# Expiration period of hash scans
# If not provided, ATAR will use 30 days
by default
#scan.result.expiration.period.in.days=30
# VirusTotal APIv3 parameter
# Limits page count for relation queries.
 SOAR will use 1 page by default
#scan.result.page.count.max=1
```

Parameter	Value
Trust Invalid SSL Certificates	Unselect
Require Approval From	Not applicable
Notify	Not applicable



Integration Editor

Name * Virus Total

Type * Virus Total

Address * https://www.virustotal.com

Configuration

```
# Retry HTTP requests when API limit has been exceeded ( TRUE / FALSE )
apilimit.tryagain.enabled=true

# Seconds for wait before trying again after each API limit exceeded
error
apilimit.tryagain.waittime=5

# How many times to wait after API limit exceeded error has been
received
# Increasing this parameter should increase the success rate of
```

Credential * Virus Total Credentials

Trust Invalid SSL Certificates □

Require Approval From No selected principal

Notify No selected principal

Tags

Show additional parameters □

5. Click **Test** to test the integration.
6. Click **Save** to complete the integration.

Additional Notes

- Domain and IP-related queries retrieve results in 40-item batches. For some IOCs, this may result in too many consecutive queries and long query-times.
- The file queries are limited to 32MB due to limits with VirusTotal API.

- Domain or URLs, Domain or Downloaded Files, IPor URLs, and IP or Downloaded Files only return the scope items with confidence score greater than 0.

Integration Guide for VMware ESXi

Integration Overview

SOAR uses VMware ESXi(Elastic Sky X integration) to perform some actions on the virtual machines (VMs).

Integration Capabilities

Action

- Create Snapshot of a VM
- Export VM
- Get Information of All VMs
- Power On VM
- Power Off VM
- Reset VM
- Reboot VM
- Standby VM
- Suspend VM

Configuration

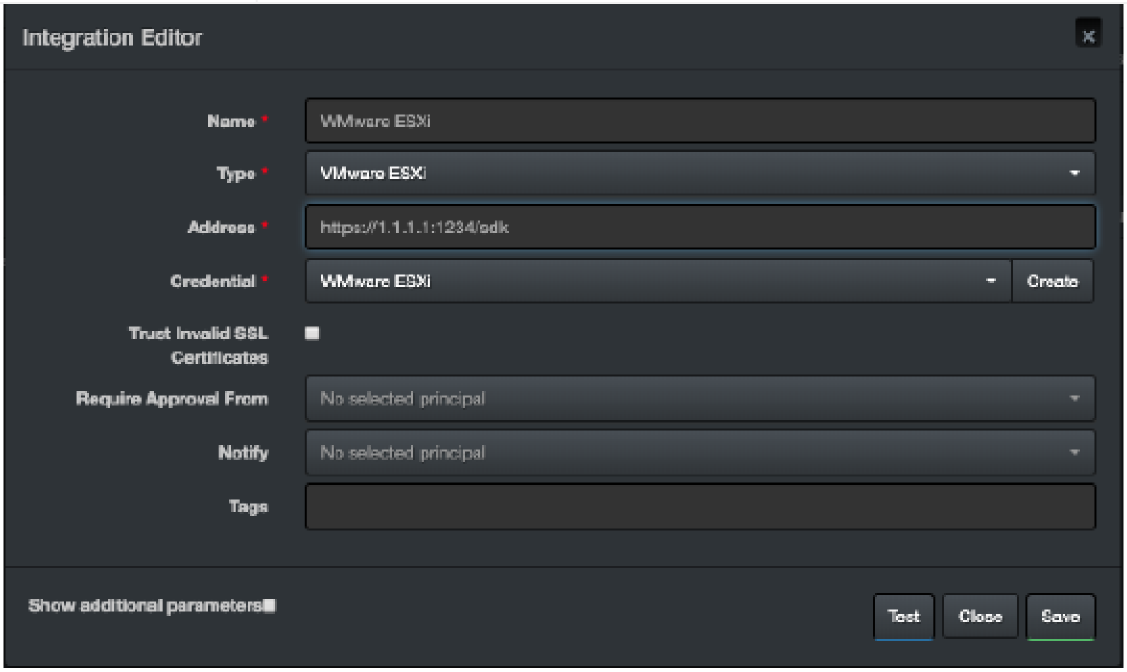
Configuring VMware ESXi

- Access to HTTPs for SOAR to connect to VMware ESXi Server's SDK
- SOAR account with admin role

Configuring SOAR

1. Navigate to **Configuration** > **Integrations**.
2. In the Integrations Editor, specify the following parameter values:

Parameter	Value
Name	Display name of VMware ESXi integration on SOAR
Type	VMware ESXi
Address	Address of the integration (in the following format: http[s]://1.1.1.1:1234[/sdk] or http[s]://abc.example.com:1234[/sdk])
Credential	Credential defined for the integration under the Credentials menu
Trust Invalid SSL Certificates	Select this if Engine's certificate is self-signed or is not recognized by browsers
Require Approval From	Select users from the list who can provide approval before executing actions on this integration
Notify	Select users from the list to notify when SOAR performs an action on this integration



Integration Editor

Name * VMware ESXi

Type * VMware ESXi

Address * https://1.1.1.1:1234/sdk

Credential * VMware ESXi

Trust Invalid SSL Certificates □

Require Approval From No selected principal

Notify No selected principal

Tags

Show additional parameters □

3. Click **Test** to test the integration.
4. Click **Save** to complete the integration.

Integration Guide for VxStream Sandbox

Integration Overview

VxStream Sandbox is an automated malware analysis system that includes the unique Hybrid Analysis technology. It is available as a standalone software package that is automatically deployed within your local infrastructure and operates without an external dependency or callback mechanism. It is possible to execute files on any Windows guest image (For example, a copy of your local workstation) and has a variety of integration and interface capabilities.

The feature set of VxStream Sandbox is extensive, with hundreds of generic indicators at its core. It detects unknown threats independent of Anti-Virus signatures. Empowered by Hybrid Analysis, the entire process memory gets analyzed using multiple timed snapshots, including the runtime sample. This feature allows the extraction of more indicators (Strings/API calls) regardless of execution. This approach enables the analysis of dormant code, evasive conditions, and extracts more valuable IOCs.

Integration Capabilities

Action

- Hash analysis

Configuration

Configuration on VxStream Sandbox

- Access to HTTPs for SOAR to connect to VxStream Sandbox

Configuring SOAR

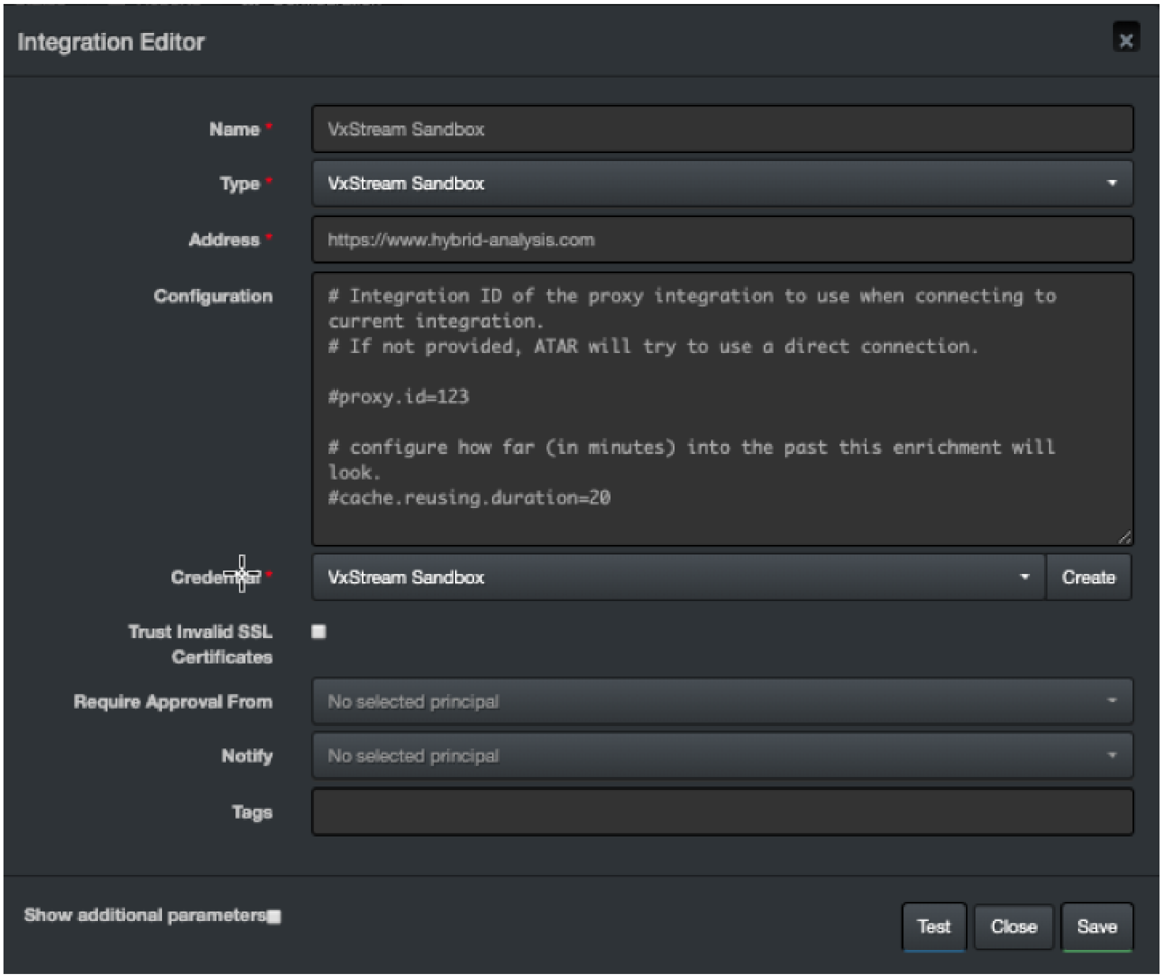
1. Navigate to **Configuration** > **Integrations**.
2. In the **Integrations Editor** window, specify the following parameter values:

Parameter	Value
Name	Display name of VxStream Sandbox integration on SOAR
Type	VxStream Sandbox

Parameter	Value
Address	Address of the integration (in the following format: https://www.hybrid-analysis.com)

Configuration	Specify the following configuration parameters:
	`# Integration ID of the proxy integration to use when connecting to`
	`# current integration.`
	`# If not provided, ATAR will try to use a direct connection.`
	`#proxy.id=123`
	`# configure how far (in minutes) into the past this enrichment will look.`
	`#cache.reusing.duration=20`

Credential	Credential defined for the integration under the Credentials menu
Trust Invalid SSL Certificates	Select this if Engine’s certificate is self-signed or is not recognized by browsers
Require Approval From	Select users from the list who can provide approval before executing actions on this integration
Notify	Select users from the list to notify when SOAR performs an action on this integration



Name * VxStream Sandbox

Type * VxStream Sandbox

Address * https://www.hybrid-analysis.com

Configuration

```
# Integration ID of the proxy integration to use when connecting to
current integration.
# If not provided, ATAR will try to use a direct connection.

#proxy.id=123

# configure how far (in minutes) into the past this enrichment will
look.
#cache.reusing.duration=20
```

Credential * VxStream Sandbox

Trust Invalid SSL Certificates □

Require Approval From No selected principal

Notify No selected principal

Tags

3. Click **Test** to test the integration.

4. Click **Save** to complete the integration.

Integration Guide for WinRM

Integration Overview

This appendix provides a detailed, step-by-step configuration procedure to enable SOAR to properly work with WinRM.

Configuration On Domain-Controller

- **To create a Group Policy object for your domain:**

1. Navigate to **Start** > **Control Panel**.
2. In the Control Panel, select **Administrative Tools** > **Group Policy Management**.
3. From the menu tree, click **Domains** > **[your domain's name]**.
4. Right-click and select **Create a GPO in this domain, and Link it here**.
5. Input **WinRM-SOAR**.
6. Execute the following command:

   ```
   reg add HKLM\SOFTWARE\Microsoft\Windows\CurrentVersion\Policies\System /v
   LocalAccountTokenFilterPolicy /t REG_DWORD /d 1 /f
   ```
7. Click **OK**.

- **To edit the new Group Policy object you created:**

1. Right-click on the new WinRM-SOAR Group Policy Object and select **Edit**.
2. From the menu tree, click **Computer Configuration** > **Policies**.
3. In the **Policies**, click **Administrative Templates: Policy definitions** > **Windows Components** > **Windows Remote Management (WinRM).**
4. Navigate to **WinRM Service**.

   > **Note:** After editing the Group Policy Object, three WinRM service settings are enabled.

   a. **To Allow remote server management through WinRM**

      i. Right-click either **Allow automatic configuration of listeners(Windows Server 2010)** or **Allow remote server management through WinRM(Windows Server 2012)**

   ii. Click **Edit**.
   iii. To allow remote server management through WinRM, select **Enabled**.
   iv. Enter an asterisk (*) in each field.
   v. Click OK.

b. **To Allow unencrypted traffic through WinRM**
   i. Right-click **Allow unecrypted traffic** and click **Edit**.
   ii. Select **Enabled** and click **OK**.

   Now the Windows Remote Management is enabled on the Group Policy.

c. **To Enable the Service that goes with it**
   i. In the **Group Policy Management Editor window**, click **Preferences** > **Control Panel Settings** > **Services**.
   ii. Right-click **Services and select New** > **Service**.
   iii. Select **Automatic** as the startup.
   iv. Enter **WinRM** as the service name.
   v. Select **Start service** as the service action.
   vi. Select **This account** to log in as.
   vii. Enter **NT AUTHORITY\NetworkService** as the user and use **a space character** as the password.
   viii. Click **OK**.

- **To allow inbound remote administration by updating the firewall rules**:

  The steps enable the following firewall rules:
  - Windows Firewall: Allow inbound remote administration exception
  - Windows Firewall: Allow ICMP exception

1. In the **Group Policy Management Editor**, click **Computer Configuration** > **Policies**.
2. Click **Administrative Templates: Policy definitions** > **Network** > **Network Connections** > **Windows Firewall** > **Domain Profile**.
3. Right-click **Windows Firewall: Allow inbound remote administration exception** and click **Edit**.
4. Select **Enabled**.
5. Enter an asterisk (*) into each field and click **Ok**.

6. Right-click **Windows Firewall: Allow ICMP exception** and click **Edit**.
7. Select **Enabled**.
8. Select **Allow inbound echo request** and click **Ok**.

- **To create a new inbound firewall rule and update the network list manager for unidentified networks:**

1. Click **Computer Configuration** > **Windows Settings** > **Security Settings** > **Windows Firewall with Advanced Security** > **Inbound Rules.**
2. Right-click **Inbound Rules** and click **New Rule**.
3. Select **Predefined**.
4. Select **Windows Remote Management** from the list of services.
5. Click **Next**.
6. Unselect the entry profile **Public** and click **Next.**
7. Click **Finish**.
8. Right-click the new rule and click **Properties**.
9. Click the **Advanced** tab and unselect all and select **Private**.
10. Click the **Scope tab.**
11. Check these IP addresses on Remote IP Address and specify IP address of the SOAR machine and click **OK**.
12. From the menu tree, click **Computer Configuration** > **Windows Settings** > **Security Settings** > **Network List Manager Policies**.
13. Right-click **Unidentified Networks** and click **Properties.**
14. Select the **Location type** to **Private** and click **Ok**.

Configuring SOAR

Use the format *username|Computer name* as WinRM credentials. For example, *localadmin|DEV-EXCHANGE18*.

Configuring Domain-Controller for WinRM HTTPS Transport

1. Open the Certificate Authority management console.
2. Right-click **Certificate Templates** and select **Manage**.
3. In the template management console, scroll down and select **Web Server template**.
4. Right-click **Web Server Template**, select **Duplicate Template**.

5. In the **Certificate Property Window** for the new template, navigate to the **General Tab**.
6. Set **Display Name** and **Template Name** to **SOARWINRMHTTPS**.

   Note: Use the same name without spaces. If there is a space that leads to a bug where the process to enroll a new certificate repeats.
7. In the **Subject Name** tab, select **Build from this Active Directory information**.
8. In the **Subject name format** select **Common Name** and select **DNS name**.
9. Click **Security** > specify the **Domain Computers** group for the domain. Allow Read, Enroll and Autoenroll and click **OK**.
10. In the **Certificate Authority management console**, right-click **Certificate Templates** and select **New Template**.
11. Double-click **SOARWINRMHTTPS** and close the window.
12. Navigate to **Start** > **Control Panel**.
13. Select **Administrative Tools** and **Group Policy Management**.
14. In the Menu tree, click **Domains** > **[your domain’s name]**.
15. Create a batch script for starting WinRM HTTPS Listener named **SoarWinRMSSLStartupScript.ps1**.
16. Copy and paste the following code into **AtarWinRMSSLStartupScript.ps1**:

```
Start-Transcript C:\Scripts\transaction.log
$sysinfo = Get-WmiObject -Class Win32_ComputerSystem
$server = “{0}.{1}” -f $sysinfo.Name, $sysinfo.Domain
$LatestThumb = Invoke-Command -ScriptBlock {
Get-ChildItem -Path Cert:\LocalMachine\My |
where {$_.subject -match "CN=$server"}
Sort-Object -Property NotAfter -Descending |
Select-Object -Last 1 -ExpandProperty Thumbprint
} -ErrorAction Stop
#If HTTPS Listener does not exist create Listener with quick config.Else
evaluate
# available certificates ,sort them by expire date , select first
thumbprint
$result=(((Get-ChildItem -Path WSMan:\localhost\Listener).keys) -match
'HTTPS')
if($result.Count -eq 0) {
Set-WSManQuickConfig -UseSSL -Force
} else {
Set-WSManInstance -ResourceURI winrm/config/Listener \
-SelectorSet @{Address="*";Transport="HTTPS"} \
-ValueSet @{CertificateThumbprint=$LatestThumb.Thumbprint[1]}
Restart-Service -Force -Name WinRM
}
Stop-Transcript
```

17. Navigate to **Start** > **Control Panel**.
18. Select Administrative Tools > Group Policy Management.
19. Right-click **WinRM-SOAR** and click **Edit**.
20. Click **Computer Configuration** > **Policies** > **Windows Settings** > **Security Settings** > **Public Key Policies**.
21. Double-click **Certificate Services Client - Auto-Enrollment**.
22. Set the **Configuration Model** to **Enable**.
23. Select **Renew expired certificates**, **update pending certificates**, and **remove revoked**certificates.and **Update certificates that use certificate templates**.
24. Click **Ok.**
25. Click **Computer Configuration** > **Policies** > **Windows Settings** > **Scripts.**
26. Double-click **Startup**.
27. In the **PowerShell Scripts**, click **Add**> **Browse** the file **named AtarWinRMSSLStartupScript.ps1**. and click **OK**.

Force Group Policy Update

Use the following PowerShell commands to force a Policy Update as described in the command block:

```
$computers = Get-ADComputer -Filter *
$computers | ForEach-Object -Process {Invoke-GPUpdate -Computer $_.name \
-RandomDelayInMinutes 0 -Force}
```

Additional Notes

The following patch must be applied to the target computer for WinRM to work without an error:

https://support.microsoft.com/en-us/kb/2842230

Support

Contact Information

Phone	A list of phone numbers is available on the Technical Support Page: https://softwaresupport.softwaregrp.com/support-contact-information
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