



ArcSight ESM Service Layer

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API Reference Vol. 1: Core-Client Services

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Phone	A list of phone numbers is available on the Technical Support Page: https://softwaresupport.softwaregrp.com/support-contact-information
Support Web Site	https://softwaresupport.softwaregrp.com/
ArcSight Product Documentation	https://www.microfocus.com/documentation/arcsight/

Package

com.arcsight.coma.bridge

com.arcsight.coma.bridge Class AuthenticationException

```
java.lang.Object
├-- java.lang.Throwable
│   └-- java.lang.Exception
│       └-- com.arcsight.coma.bridge.AuthenticationException
```

All Implemented Interfaces:
Serializable

```
public class AuthenticationException
extends Exception
```

Constructor Summary

public	AuthenticationException (String message)
public	AuthenticationException (String service, String method)

Methods inherited from class java.lang.Throwable

addSuppressed, fillInStackTrace, getCause, getLocalizedMessage, getMessage, getStackTrace, getSuppressed, initCause, printStackTrace, printStackTrace, printStackTrace, setStackTrace, toString

Methods inherited from class java.lang.Object

equals, getClass, hashCode, notify, notifyAll, toString, wait, wait, wait

Constructors

AuthenticationException

```
public AuthenticationException(String message)
```

AuthenticationException

```
public AuthenticationException(String service,
                               String method)
```

com.arcsight.coma.bridge Class AuthorizationException

```
java.lang.Object
  |-- java.lang.Throwable
    |-- java.lang.Exception
      |-- com.arcsight.coma.bridge.AuthorizationException
```

All Implemented Interfaces:
Serializable

```
public class AuthorizationException
extends Exception
```

Constructor Summary

public	AuthorizationException (String message)
public	AuthorizationException (String service, String method, boolean classRequiresAuthentication, boolean methodRequiresAuthentication, String[] classRequiredRights, String[] methodRequiredRights)

Methods inherited from class java.lang.Throwable

addSuppressed, fillInStackTrace, getCause, getLocalizedMessage, getMessage, getStackTrace, getSuppressed, initCause, printStackTrace, printStackTrace, printStackTrace, setStackTrace, toString

Methods inherited from class java.lang.Object

equals, getClass, hashCode, notify, notifyAll, toString, wait, wait, wait

Constructors

AuthorizationException

```
public AuthorizationException(String message)
```

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AuthorizationException

```
public AuthorizationException(String service,  
                             String method,  
                             boolean classRequiresAuthentication,  
                             boolean methodRequiresAuthentication,  
                             String[] classRequiredRights,  
                             String[] methodRequiredRights)
```

Package

com.arcsight.coma.client.gwt

com.arcsight.coma.client.gwt Class RemoteServiceException

```
java.lang.Object
├── java.lang.Throwable
│   ├── java.lang.Exception
│       └── com.arcsight.coma.client.gwt.RemoteServiceException
```

All Implemented Interfaces:
Serializable, Serializable

```
public class RemoteServiceException
extends Exception
implements Serializable, Serializable
```

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Field Summary

public static final	ERROR_UNKNOWN Value: -54188
---------------------	--

Constructor Summary

public	RemoteServiceException()
public	RemoteServiceException(String message, Throwable cause)
public	RemoteServiceException(String message)
public	RemoteServiceException(Throwable cause)

Method Summary

int	getErrorCode()
String	getRemoteStacktrace()
void	setErrorCode(int errorCode)
void	setRemoteStacktrace(String remoteStacktrace)

Methods inherited from class `java.lang.Throwable`

```
addSuppressed, fillInStackTrace, getCause, getLocalizedMessage, getMessage,
getStackTrace, getSuppressed, initCause, printStackTrace, printStackTrace,
printStackTrace, setStackTrace, toString
```

Methods inherited from class `java.lang.Object`

```
equals, getClass, hashCode, notify, notifyAll, toString, wait, wait, wait
```

Fields

ERROR_UNKNOWN

```
public static final int ERROR_UNKNOWN
```

Constant value: `-54188`

Constructors

RemoteServiceException

```
public RemoteServiceException()
```

RemoteServiceException

```
public RemoteServiceException(String message,
                               Throwable cause)
```

RemoteServiceException

```
public RemoteServiceException(String message)
```

RemoteServiceException

```
public RemoteServiceException(Throwable cause)
```

Methods

getRemoteStacktrace

```
public String getRemoteStacktrace()
```

setRemoteStacktrace

```
public void setRemoteStacktrace(String remoteStacktrace)
```

getErrorCode

```
public int getErrorCode()
```

setErrorCode

```
public void setErrorCode(int errorCode)
```

Package

**com.arcsight.product.core.service.v1.axis2.
jaxws**

com.arcsight.product.core.service.v1.axis2.jaxws Class AuthenticationExceptionBean

java.lang.Object

└-com.arcsight.product.core.service.v1.axis2.jaxws.AuthenticationExceptionBean

```
public class AuthenticationExceptionBean  
extends Object
```

This class was generated by the JAX-WS RI. JAX-WS RI 2.3.0 Generated source version: 2.3.0

Constructor Summary

public	AuthenticationExceptionBean()
--------	---

Method Summary

String	getMessage()
--------	------------------------------

void	setMessage(String message)
------	--

Methods inherited from class java.lang.Object

equals, getClass, hashCode, notify, notifyAll, toString, wait, wait, wait

Constructors

AuthenticationExceptionBean

```
public AuthenticationExceptionBean()
```

Methods

getMessage

```
public String getMessage()
```

Returns:

returns String

setMessage

```
public void setMessage(String message)
```

Parameters:

message - the value for the message property

com.arcsight.product.core.service.v1.axis2.jaxws Class AuthorizationExceptionBean

java.lang.Object

└-com.arcsight.product.core.service.v1.axis2.jaxws.AuthorizationExceptionBean

```
public class AuthorizationExceptionBean  
extends Object
```

This class was generated by the JAX-WS RI. JAX-WS RI 2.3.0 Generated source version: 2.3.0

Constructor Summary

public	AuthorizationExceptionBean()
--------	--

Method Summary

String	getMessage()
--------	------------------------------

void	setMessage(String message)
------	--

Methods inherited from class java.lang.Object

equals, getClass, hashCode, notify, notifyAll, toString, wait, wait, wait

Constructors

AuthorizationExceptionBean

```
public AuthorizationExceptionBean()
```

Methods

getMessage

```
public String getMessage()
```

Returns:

returns String

setMessage

```
public void setMessage(String message)
```

Parameters:

message - the value for the message property

com.arcsight.product.core.service.v1.axis2.jaxws Class GetAllRightsByGroupTypeResponse

java.lang.Object

└-com.arcsight.product.core.service.v1.axis2.jaxws.GetAllRightsByGroupTypeResponse

```
public class GetAllRightsByGroupTypeResponse
extends Object
```

Constructor Summary

public	GetAllRightsByGroupTypeResponse()
--------	---

Method Summary

HashMap	getReturn()
---------	-----------------------------

void	setReturn(HashMap _return)
------	--

Methods inherited from class java.lang.Object

equals, getClass, hashCode, notify, notifyAll, toString, wait, wait, wait

Constructors

GetAllRightsByGroupTypeResponse

```
public GetAllRightsByGroupTypeResponse()
```

Methods

getReturn

```
public HashMap getReturn()
```

Returns:

returns HashMap>

setReturn

```
public void setReturn(HashMap _return)
```

Parameters:

`_return` - the value for the `_return` property

com.arcsight.product.core.service.v1.axis2.jaxws Class LoginServiceAuthenticate

java.lang.Object

└-com.arcsight.product.core.service.v1.axis2.jaxws.LoginServiceAuthenticate

```
public class LoginServiceAuthenticate  
extends Object
```

Constructor Summary

public	LoginServiceAuthenticate()
--------	--

Method Summary

AuthContext	getAuthContext()
String	getAuthToken()
PasswordCredential	getCred()
void	setAuthContext(AuthContext authContext)
void	setAuthToken(String authToken)
void	setCred(PasswordCredential cred)

Methods inherited from class java.lang.Object

equals, getClass, hashCode, notify, notifyAll, toString, wait, wait, wait

Constructors

LoginServiceAuthenticate

```
public LoginServiceAuthenticate()
```

Methods

getAuthToken

```
public String getAuthToken()
```

Returns:
returns String

setAuthToken

```
public void setAuthToken(String authToken)
```

Parameters:
authToken - the value for the authToken property

getCred

```
public PasswordCredential getCred()
```

Returns:
returns PasswordCredential

setCred

```
public void setCred(PasswordCredential cred)
```

Parameters:
cred - the value for the cred property

getAuthContext

```
public AuthContext getAuthContext()
```

Returns:
returns AuthContext

setAuthContext

```
public void setAuthContext(AuthContext authContext)
```

Parameters:
authContext - the value for the authContext property

com.arcsight.product.core.service.v1.axis2.jaxws Class LoginServiceAuthenticateOSPCredential

java.lang.Object



com.arcsight.product.core.service.v1.axis2.jaxws.LoginServiceAuthenticateOSPCredential

```
public class LoginServiceAuthenticateOSPCredential
extends Object
```

Constructor Summary

public	LoginServiceAuthenticateOSPCredential()
--------	---

Method Summary

String	getAuthToken()
--------	--------------------------------

void	setAuthToken(String authToken)
------	--

Methods inherited from class java.lang.Object

equals, getClass, hashCode, notify, notifyAll, toString, wait, wait, wait

Constructors

LoginServiceAuthenticateOSPCredential

```
public LoginServiceAuthenticateOSPCredential()
```

Methods

getAuthToken

```
public String getAuthToken()
```

Returns:

returns String

setAuthToken

```
public void setAuthToken(String authToken)
```

Parameters:

`authToken` - the value for the `authToken` property

com.arcsight.product.core.service.v1.axis2.jaxws Class LoginServiceAuthenticateOSPCredentialResponse

java.lang.Object

├─
com.arcsight.product.core.service.v1.axis2.jaxws.LoginServiceAuthenticateOSPCredentialResponse

```
public class LoginServiceAuthenticateOSPCredentialResponse
extends Object
```

Constructor Summary

public	LoginServiceAuthenticateOSPCredentialResponse()
--------	---

Method Summary

AuthResponse	getReturn()
------------------------------	-----------------------------

void	setReturn(AuthResponse _return)
------	---

Methods inherited from class java.lang.Object

equals, getClass, hashCode, notify, notifyAll, toString, wait, wait, wait

Constructors

LoginServiceAuthenticateOSPCredentialResponse

```
public LoginServiceAuthenticateOSPCredentialResponse()
```

Methods

getReturn

```
public AuthResponse getReturn()
```

Returns:

returns AuthResponse

setReturn

```
public void setReturn(AuthResponse _return)
```

Parameters:

`_return` - the value for the `_return` property

com.arcsight.product.core.service.v1.axis2.jaxws Class LoginServiceAuthenticateResponse

java.lang.Object

└-com.arcsight.product.core.service.v1.axis2.jaxws.LoginServiceAuthenticateResponse

```
public class LoginServiceAuthenticateResponse
extends Object
```

Constructor Summary

public	LoginServiceAuthenticateResponse()
--------	--

Method Summary

AuthResponse	getReturn()
------------------------------	-----------------------------

void	setReturn(AuthResponse _return)
------	---

Methods inherited from class java.lang.Object

`equals, getClass, hashCode, notify, notifyAll, toString, wait, wait, wait`

Constructors

LoginServiceAuthenticateResponse

```
public LoginServiceAuthenticateResponse()
```

Methods

getReturn

```
public AuthResponse getReturn()
```

Returns:

returns AuthResponse

setReturn

```
public void setReturn(AuthResponse _return)
```

Parameters:

`_return` - the value for the `_return` property

com.arcsight.product.core.service.v1.axis2.jaxws Class LoginServiceChangeLoginPassword

java.lang.Object

└-com.arcsight.product.core.service.v1.axis2.jaxws.LoginServiceChangeLoginPassword

```
public class LoginServiceChangeLoginPassword
extends Object
```

Constructor Summary

public	LoginServiceChangeLoginPassword()
--------	---

Method Summary

String	getAuthToken()
String	getLogin()
String	getNewPassword()
String	getOldPassword()
boolean	isResetFailedLogins()
void	setAuthToken(String authToken)
void	setLogin(String login)
void	setNewPassword(String newPassword)
void	setOldPassword(String oldPassword)
void	setResetFailedLogins(boolean resetFailedLogins)

Methods inherited from class java.lang.Object

`equals`, `getClass`, `hashCode`, `notify`, `notifyAll`, `toString`, `wait`, `wait`, `wait`

Constructors

LoginServiceChangeLoginPassword

```
public LoginServiceChangeLoginPassword()
```

Methods

getAuthToken

```
public String getAuthToken()
```

Returns:

returns String

setAuthToken

```
public void setAuthToken(String authToken)
```

Parameters:

authToken - the value for the authToken property

getLogin

```
public String getLogin()
```

Returns:

returns String

setLogin

```
public void setLogin(String login)
```

Parameters:

login - the value for the login property

getOldPassword

```
public String getOldPassword()
```

Returns:

returns String

setOldPassword

```
public void setOldPassword(String oldPassword)
```

Parameters:

oldPassword - the value for the oldPassword property

getNewPassword

```
public String getNewPassword()
```

Returns:

returns String

setNewPassword

```
public void setNewPassword(String newPassword)
```

Parameters:

newPassword - the value for the newPassword property

isResetFailedLogins

```
public boolean isResetFailedLogins()
```

Returns:

returns boolean

setResetFailedLogins

```
public void setResetFailedLogins(boolean resetFailedLogins)
```

Parameters:

resetFailedLogins - the value for the resetFailedLogins property

com.arcsight.product.core.service.v1.axis2.jaxws Class LoginServiceChangeLoginPasswordResponse

java.lang.Object



com.arcsight.product.core.service.v1.axis2.jaxws.LoginServiceChangeLoginPasswordResponse

```
public class LoginServiceChangeLoginPasswordResponse  
extends Object
```

Constructor Summary

public	LoginServiceChangeLoginPasswordResponse()
--------	---

Method Summary

String	getReturn()
--------	-----------------------------

void	setReturn(String _return)
------	---

Methods inherited from class java.lang.Object

equals, getClass, hashCode, notify, notifyAll, toString, wait, wait, wait

Constructors

LoginServiceChangeLoginPasswordResponse

```
public LoginServiceChangeLoginPasswordResponse()
```

Methods

getReturn

```
public String getReturn()
```

Returns:

returns String

setReturn

```
public void setReturn(String _return)
```

Parameters:

`_return` - the value for the `_return` property

com.arcsight.product.core.service.v1.axis2.jaxws Class LoginServiceGetAuthenticationMethod

java.lang.Object

└-com.arcsight.product.core.service.v1.axis2.jaxws.LoginServiceGetAuthenticationMethod

```
public class LoginServiceGetAuthenticationMethod
extends Object
```

Constructor Summary

public	LoginServiceGetAuthenticationMethod()
--------	---

Method Summary

String	getAuthToken()
--------	--------------------------------

void	setAuthToken(String authToken)
------	--

Methods inherited from class java.lang.Object

equals, getClass, hashCode, notify, notifyAll, toString, wait, wait, wait

Constructors

LoginServiceGetAuthenticationMethod

```
public LoginServiceGetAuthenticationMethod()
```

Methods

getAuthToken

```
public String getAuthToken()
```

Returns:

returns String

setAuthToken

```
public void setAuthToken(String authToken)
```

Parameters:

`authToken` - the value for the `authToken` property

com.arcsight.product.core.service.v1.axis2.jaxws Class LoginServiceGetAuthenticationMethodResponse

java.lang.Object

├─
com.arcsight.product.core.service.v1.axis2.jaxws.LoginServiceGetAuthenticationMethodResponse

```
public class LoginServiceGetAuthenticationMethodResponse  
extends Object
```

Constructor Summary

public	LoginServiceGetAuthenticationMethodResponse()
--------	---

Method Summary

AuthMethod	getReturn()
----------------------------	-----------------------------

void	setReturn(AuthMethod _return)
------	---

Methods inherited from class java.lang.Object

equals, getClass, hashCode, notify, notifyAll, toString, wait, wait, wait

Constructors

LoginServiceGetAuthenticationMethodResponse

```
public LoginServiceGetAuthenticationMethodResponse()
```

Methods

getReturn

```
public AuthMethod getReturn()
```

Returns:

returns AuthMethod

setReturn

```
public void setReturn(AuthMethod _return)
```

Parameters:

`_return` - the value for the `_return` property

com.arcsight.product.core.service.v1.axis2.jaxws Class LoginServiceGetCurrentUser

java.lang.Object

└-com.arcsight.product.core.service.v1.axis2.jaxws.LoginServiceGetCurrentUser

```
public class LoginServiceGetCurrentUser  
extends Object
```

Constructor Summary

public	LoginServiceGetCurrentUser()
--------	--

Method Summary

String	getAuthToken()
--------	--------------------------------

void	setAuthToken(String authToken)
------	--

Methods inherited from class java.lang.Object

equals, getClass, hashCode, notify, notifyAll, toString, wait, wait, wait

Constructors

LoginServiceGetCurrentUser

```
public LoginServiceGetCurrentUser()
```

Methods

getAuthToken

```
public String getAuthToken()
```

Returns:

returns String

setAuthToken

```
public void setAuthToken(String authToken)
```

Parameters:

`authToken` - the value for the `authToken` property

com.arcsight.product.core.service.v1.axis2.jaxws Class LoginServiceGetCurrentUserResponse

java.lang.Object

└-com.arcsight.product.core.service.v1.axis2.jaxws.LoginServiceGetCurrentUserResponse

```
public class LoginServiceGetCurrentUserResponse  
extends Object
```

Constructor Summary

public	LoginServiceGetCurrentUserResponse()
--------	--

Method Summary

User	getReturn()
----------------------	-----------------------------

void	setReturn(User _return)
------	---

Methods inherited from class java.lang.Object

`equals, getClass, hashCode, notify, notifyAll, toString, wait, wait, wait`

Constructors

LoginServiceGetCurrentUserResponse

```
public LoginServiceGetCurrentUserResponse()
```

Methods

getReturn

```
public User getReturn()
```

Returns:

returns User

setReturn

```
public void setReturn(User _return)
```

Parameters:

`_return` - the value for the `_return` property

com.arcsight.product.core.service.v1.axis2.jaxws Class LoginServiceGetOSPSettings

java.lang.Object

└-com.arcsight.product.core.service.v1.axis2.jaxws.LoginServiceGetOSPSettings

```
public class LoginServiceGetOSPSettings
extends Object
```

Constructor Summary

public	LoginServiceGetOSPSettings()
--------	--

Method Summary

String	getAuthToken()
--------	--------------------------------

void	setAuthToken(String authToken)
------	--

Methods inherited from class java.lang.Object

`equals, getClass, hashCode, notify, notifyAll, toString, wait, wait, wait`

Constructors

LoginServiceGetOSPSettings

```
public LoginServiceGetOSPSettings()
```

Methods

getAuthToken

```
public String getAuthToken()
```

Returns:

returns String

setAuthToken

```
public void setAuthToken(String authToken)
```

Parameters:

`authToken` - the value for the `authToken` property

com.arcsight.product.core.service.v1.axis2.jaxws Class LoginServiceGetOSPSettingsResponse

java.lang.Object

└-com.arcsight.product.core.service.v1.axis2.jaxws.LoginServiceGetOSPSettingsResponse

```
public class LoginServiceGetOSPSettingsResponse
extends Object
```

Constructor Summary

public	LoginServiceGetOSPSettingsResponse()
--------	--

Method Summary

String	getReturn()
--------	-----------------------------

void	setReturn(String _return)
------	---

Methods inherited from class java.lang.Object

`equals, getClass, hashCode, notify, notifyAll, toString, wait, wait, wait`

Constructors

LoginServiceGetOSPSettingsResponse

```
public LoginServiceGetOSPSettingsResponse()
```

Methods

getReturn

```
public String getReturn()
```

Returns:

returns String

setReturn

```
public void setReturn(String _return)
```

Parameters:

`_return` - the value for the `_return` property

com.arcsight.product.core.service.v1.axis2.jaxws Class LoginServiceGetServiceMajorVersion

java.lang.Object

└-com.arcsight.product.core.service.v1.axis2.jaxws.LoginServiceGetServiceMajorVersion

```
public class LoginServiceGetServiceMajorVersion  
extends Object
```

Constructor Summary

public	LoginServiceGetServiceMajorVersion()
--------	--

Method Summary

String	getAuthToken()
--------	--------------------------------

void	setAuthToken(String authToken)
------	--

Methods inherited from class java.lang.Object

equals, getClass, hashCode, notify, notifyAll, toString, wait, wait, wait

Constructors

LoginServiceGetServiceMajorVersion

```
public LoginServiceGetServiceMajorVersion()
```

Methods

getAuthToken

```
public String getAuthToken()
```

Returns:

returns String

setAuthToken

```
public void setAuthToken(String authToken)
```

Parameters:

`authToken` - the value for the `authToken` property

com.arcsight.product.core.service.v1.axis2.jaxws Class LoginServiceGetServiceMajorVersionResponse

java.lang.Object



com.arcsight.product.core.service.v1.axis2.jaxws.LoginServiceGetServiceMajorVersionResponse

```
public class LoginServiceGetServiceMajorVersionResponse
extends Object
```

Constructor Summary

public	LoginServiceGetServiceMajorVersionResponse()
--------	--

Method Summary

int	getReturn()
-----	-----------------------------

void	setReturn(int _return)
------	--

Methods inherited from class java.lang.Object

equals, getClass, hashCode, notify, notifyAll, toString, wait, wait, wait

Constructors

LoginServiceGetServiceMajorVersionResponse

```
public LoginServiceGetServiceMajorVersionResponse()
```

Methods

getReturn

```
public int getReturn()
```

Returns:

returns int

setReturn

```
public void setReturn(int _return)
```

Parameters:

`_return` - the value for the `_return` property

com.arcsight.product.core.service.v1.axis2.jaxws Class LoginServiceGetServiceMinorVersion

java.lang.Object

└-com.arcsight.product.core.service.v1.axis2.jaxws.LoginServiceGetServiceMinorVersion

```
public class LoginServiceGetServiceMinorVersion
extends Object
```

Constructor Summary

public	LoginServiceGetServiceMinorVersion()
--------	--

Method Summary

String	getAuthToken()
--------	--------------------------------

void	setAuthToken(String authToken)
------	--

Methods inherited from class java.lang.Object

equals, getClass, hashCode, notify, notifyAll, toString, wait, wait, wait

Constructors

LoginServiceGetServiceMinorVersion

```
public LoginServiceGetServiceMinorVersion()
```

Methods

getAuthToken

```
public String getAuthToken()
```

Returns:

returns String

setAuthToken

```
public void setAuthToken(String authToken)
```

Parameters:

`authToken` - the value for the `authToken` property

com.arcsight.product.core.service.v1.axis2.jaxws Class LoginServiceGetServiceMinorVersionResponse

java.lang.Object

├─
com.arcsight.product.core.service.v1.axis2.jaxws.LoginServiceGetServiceMinorVersionResponse

```
public class LoginServiceGetServiceMinorVersionResponse
extends Object
```

Constructor Summary

public	LoginServiceGetServiceMinorVersionResponse()
--------	--

Method Summary

int	getReturn()
-----	-----------------------------

void	setReturn(int _return)
------	--

Methods inherited from class java.lang.Object

equals, getClass, hashCode, notify, notifyAll, toString, wait, wait, wait

Constructors

LoginServiceGetServiceMinorVersionResponse

```
public LoginServiceGetServiceMinorVersionResponse()
```

Methods

getReturn

```
public int getReturn()
```

Returns:

returns int

setReturn

```
public void setReturn(int _return)
```

Parameters:

`_return` - the value for the `_return` property

com.arcsight.product.core.service.v1.axis2.jaxws Class LoginServiceGetSession

java.lang.Object

└-com.arcsight.product.core.service.v1.axis2.jaxws.LoginServiceGetSession

```
public class LoginServiceGetSession  
extends Object
```

Constructor Summary

public	LoginServiceGetSession()
--------	--

Method Summary

String	getAuthToken()
--------	--------------------------------

void	setAuthToken(String authToken)
------	--

Methods inherited from class java.lang.Object

`equals, getClass, hashCode, notify, notifyAll, toString, wait, wait, wait`

Constructors

LoginServiceGetSession

```
public LoginServiceGetSession()
```

Methods

getAuthToken

```
public String getAuthToken()
```

Returns:

returns String

setAuthToken

```
public void setAuthToken(String authToken)
```

Parameters:

`authToken` - the value for the `authToken` property

com.arcsight.product.core.service.v1.axis2.jaxws Class LoginServiceGetSessionResponse

java.lang.Object

└-com.arcsight.product.core.service.v1.axis2.jaxws.LoginServiceGetSessionResponse

```
public class LoginServiceGetSessionResponse
extends Object
```

Constructor Summary

public	LoginServiceGetSessionResponse()
--------	--

Method Summary

Session	getReturn()
-------------------------	-----------------------------

void	setReturn(Session _return)
------	--

Methods inherited from class java.lang.Object

equals, getClass, hashCode, notify, notifyAll, toString, wait, wait, wait

Constructors

LoginServiceGetSessionResponse

```
public LoginServiceGetSessionResponse()
```

Methods

getReturn

```
public Session getReturn()
```

Returns:

returns Session

setReturn

```
public void setReturn(Session _return)
```

Parameters:

`_return` - the value for the `_return` property

com.arcsight.product.core.service.v1.axis2.jaxws Class LoginServiceLogin

java.lang.Object

└-com.arcsight.product.core.service.v1.axis2.jaxws.LoginServiceLogin

```
public class LoginServiceLogin  
extends Object
```

Constructor Summary

public	LoginServiceLogin()
--------	-------------------------------------

Method Summary

String	getAuthToken()
String	getLogin()
String	getPassword()
void	setAuthToken(String authToken)
void	setLogin(String login)
void	setPassword(String password)

Methods inherited from class java.lang.Object

equals, getClass, hashCode, notify, notifyAll, toString, wait, wait, wait

Constructors

LoginServiceLogin

```
public LoginServiceLogin()
```

Methods

getAuthToken

```
public String getAuthToken()
```

Returns:
returns String

setAuthToken

```
public void setAuthToken(String authToken)
```

Parameters:
authToken - the value for the authToken property

getLogin

```
public String getLogin()
```

Returns:
returns String

setLogin

```
public void setLogin(String login)
```

Parameters:
login - the value for the login property

getPassword

```
public String getPassword()
```

Returns:
returns String

setPassword

```
public void setPassword(String password)
```

Parameters:
password - the value for the password property

com.arcsight.product.core.service.v1.axis2.jaxws Class LoginServiceLoginForOneTimeUse

java.lang.Object

└-com.arcsight.product.core.service.v1.axis2.jaxws.LoginServiceLoginForOneTimeUse

```
public class LoginServiceLoginForOneTimeUse
extends Object
```

Constructor Summary

public	LoginServiceLoginForOneTimeUse()
--------	--

Method Summary

String	getAuthToken()
String	getLogin()
String	getPassword()
void	setAuthToken(String authToken)
void	setLogin(String login)
void	setPassword(String password)

Methods inherited from class java.lang.Object

equals, getClass, hashCode, notify, notifyAll, toString, wait, wait, wait

Constructors

LoginServiceLoginForOneTimeUse

```
public LoginServiceLoginForOneTimeUse()
```

Methods

getAuthToken

```
public String getAuthToken()
```

Returns:
returns String

setAuthToken

```
public void setAuthToken(String authToken)
```

Parameters:
authToken - the value for the authToken property

getLogin

```
public String getLogin()
```

Returns:
returns String

setLogin

```
public void setLogin(String login)
```

Parameters:
login - the value for the login property

getPassword

```
public String getPassword()
```

Returns:
returns String

setPassword

```
public void setPassword(String password)
```

Parameters:
password - the value for the password property

com.arcsight.product.core.service.v1.axis2.jaxws Class LoginServiceLoginForOneTimeUseResponse

java.lang.Object



com.arcsight.product.core.service.v1.axis2.jaxws.LoginServiceLoginForOneTimeUseResponse

```
public class LoginServiceLoginForOneTimeUseResponse
extends Object
```

Constructor Summary

public	LoginServiceLoginForOneTimeUseResponse()
--------	--

Method Summary

String	getReturn()
--------	-----------------------------

void	setReturn(String _return)
------	---

Methods inherited from class java.lang.Object

equals, getClass, hashCode, notify, notifyAll, toString, wait, wait, wait

Constructors

LoginServiceLoginForOneTimeUseResponse

```
public LoginServiceLoginForOneTimeUseResponse()
```

Methods

getReturn

```
public String getReturn()
```

Returns:

returns String

setReturn

```
public void setReturn(String _return)
```

Parameters:

_return - the value for the _return property

com.arcsight.product.core.service.v1.axis2.jaxws Class LoginServiceLoginResponse

java.lang.Object

└-com.arcsight.product.core.service.v1.axis2.jaxws.LoginServiceLoginResponse

```
public class LoginServiceLoginResponse
extends Object
```

Constructor Summary

public	LoginServiceLoginResponse()
--------	---

Method Summary

String	getReturn()
--------	-----------------------------

void	setReturn(String _return)
------	---

Methods inherited from class java.lang.Object

`equals, getClass, hashCode, notify, notifyAll, toString, wait, wait, wait`

Constructors

LoginServiceLoginResponse

```
public LoginServiceLoginResponse()
```

Methods

getReturn

```
public String getReturn()
```

Returns:

returns String

setReturn

```
public void setReturn(String _return)
```

Parameters:

_return - the value for the _return property

com.arcsight.product.core.service.v1.axis2.jaxws Class LoginServiceLogout

java.lang.Object

└-com.arcsight.product.core.service.v1.axis2.jaxws.LoginServiceLogout

```
public class LoginServiceLogout  
extends Object
```

Constructor Summary

public	LoginServiceLogout()
--------	--------------------------------------

Method Summary

String	getAuthToken()
--------	--------------------------------

void	setAuthToken(String authToken)
------	--

Methods inherited from class java.lang.Object

`equals, getClass, hashCode, notify, notifyAll, toString, wait, wait, wait`

Constructors

LoginServiceLogout

```
public LoginServiceLogout()
```

Methods

getAuthToken

```
public String getAuthToken()
```

Returns:

returns String

setAuthToken

```
public void setAuthToken(String authToken)
```

Parameters:

`authToken` - the value for the `authToken` property

com.arcsight.product.core.service.v1.axis2.jaxws Class LoginServiceLogoutResponse

java.lang.Object

└-com.arcsight.product.core.service.v1.axis2.jaxws.LoginServiceLogoutResponse

```
public class LoginServiceLogoutResponse
extends Object
```

Constructor Summary

public	LoginServiceLogoutResponse()
--------	--

Method Summary

Void	getReturn()
------	-----------------------------

void	setReturn(Void _return)
------	---

Methods inherited from class java.lang.Object

`equals, getClass, hashCode, notify, notifyAll, toString, wait, wait, wait`

Constructors

LoginServiceLogoutResponse

```
public LoginServiceLogoutResponse()
```

Methods

getReturn

```
public Void getReturn()
```

Returns:

returns Void

setReturn

```
public void setReturn(Void _return)
```

Parameters:

`_return` - the value for the `_return` property

com.arcsight.product.core.service.v1.axis2.jaxws Class LoginServiceResetPassword

java.lang.Object

└-com.arcsight.product.core.service.v1.axis2.jaxws.LoginServiceResetPassword

```
public class LoginServiceResetPassword
extends Object
```

Constructor Summary

public	LoginServiceResetPassword()
--------	---

Method Summary

String	getAuthToken()
--------	--------------------------------

String	getLogin()
--------	----------------------------

void	setAuthToken(String authToken)
------	--

void	setLogin(String login)
------	--

Methods inherited from class java.lang.Object

equals, getClass, hashCode, notify, notifyAll, toString, wait, wait, wait

Constructors

LoginServiceResetPassword

```
public LoginServiceResetPassword()
```

Methods

getAuthToken

```
public String getAuthToken()
```

Returns:

returns String

setAuthToken

```
public void setAuthToken(String authToken)
```

Parameters:

authToken - the value for the authToken property

getLogin

```
public String getLogin()
```

Returns:

returns String

setLogin

```
public void setLogin(String login)
```

Parameters:

login - the value for the login property

com.arcsight.product.core.service.v1.axis2.jaxws Class LoginServiceResetPasswordResponse

java.lang.Object

└-com.arcsight.product.core.service.v1.axis2.jaxws.LoginServiceResetPasswordResponse

```
public class LoginServiceResetPasswordResponse  
extends Object
```

Constructor Summary

public	LoginServiceResetPasswordResponse()
--------	---

Method Summary

Void	getReturn()
------	-----------------------------

void	setReturn(Void _return)
------	---

Methods inherited from class java.lang.Object

`equals, getClass, hashCode, notify, notifyAll, toString, wait, wait, wait`

Constructors

LoginServiceResetPasswordResponse

```
public LoginServiceResetPasswordResponse()
```

Methods

getReturn

```
public Void getReturn()
```

Returns:

returns Void

setReturn

```
public void setReturn(Void _return)
```

Parameters:

`_return` - the value for the `_return` property

com.arcsight.product.core.service.v1.axis2.jaxws Class LoginServiceSendAuthChallengeResponse

java.lang.Object



com.arcsight.product.core.service.v1.axis2.jaxws.LoginServiceSendAuthChallengeResponse

```
public class LoginServiceSendAuthChallengeResponse  
extends Object
```

Constructor Summary

public	LoginServiceSendAuthChallengeResponse()
--------	---

Method Summary

String	getAuthToken()
int	getChallengeId()
String	getResp()
void	setAuthToken(String authToken)
void	setChallengeId(int challengeId)
void	setResp(String resp)

Methods inherited from class java.lang.Object

`equals`, `getClass`, `hashCode`, `notify`, `notifyAll`, `toString`, `wait`, `wait`, `wait`

Constructors

LoginServiceSendAuthChallengeResponse

```
public LoginServiceSendAuthChallengeResponse()
```

Methods

getAuthToken

```
public String getAuthToken()
```

Returns:
returns String

setAuthToken

```
public void setAuthToken(String authToken)
```

Parameters:
authToken - the value for the authToken property

getChallengeId

```
public int getChallengeId()
```

Returns:
returns int

setChallengeId

```
public void setChallengeId(int challengeId)
```

Parameters:
challengeId - the value for the challengeId property

getResp

```
public String getResp()
```

Returns:
returns String

setResp

```
public void setResp(String resp)
```

Parameters:
resp - the value for the resp property

com.arcsight.product.core.service.v1.axis2.jaxws Class LoginServiceSendAuthChallengeResponseResponse

java.lang.Object

├─
com.arcsight.product.core.service.v1.axis2.jaxws.LoginServiceSendAuthChallengeResponseResponse

```
public class LoginServiceSendAuthChallengeResponseResponse  
extends Object
```

Constructor Summary

public	LoginServiceSendAuthChallengeResponseResponse()
--------	---

Method Summary

AuthResponse	getReturn()
------------------------------	-----------------------------

void	setReturn(AuthResponse _return)
------	---

Methods inherited from class java.lang.Object

equals, getClass, hashCode, notify, notifyAll, toString, wait, wait, wait

Constructors

LoginServiceSendAuthChallengeResponseResponse

```
public LoginServiceSendAuthChallengeResponseResponse()
```

Methods

getReturn

```
public AuthResponse getReturn()
```

Returns:

returns AuthResponse

setReturn

```
public void setReturn(AuthResponse _return)
```

Parameters:

`_return` - the value for the `_return` property

com.arcsight.product.core.service.v1.axis2.jaxws Class ModelLoader

java.lang.Object

└-com.arcsight.product.core.service.v1.axis2.jaxws.ModelLoader

public final class **ModelLoader**
extends Object

Constructor Summary

public	ModelLoader()
--------	-------------------------------

Methods inherited from class java.lang.Object

equals, getClass, hashCode, notify, notifyAll, toString, wait, wait, wait

Constructors

ModelLoader

public **ModelLoader**()

com.arcsight.product.core.service.v1.axis2.jaxws Class ObjectFactory

java.lang.Object

└-com.arcsight.product.core.service.v1.axis2.jaxws.ObjectFactory

public final class **ObjectFactory**
extends Object

Constructor Summary

public	ObjectFactory()
--------	---------------------------------

Methods inherited from class java.lang.Object

equals, getClass, hashCode, notify, notifyAll, toString, wait, wait, wait

Constructors

ObjectFactory

public **ObjectFactory**()

com.arcsight.product.core.service.v1.axis2.jaxws Class ServiceExceptionBean

java.lang.Object

└-com.arcsight.product.core.service.v1.axis2.jaxws.ServiceExceptionBean

```
public class ServiceExceptionBean  
extends Object
```

This class was generated by the JAX-WS RI. JAX-WS RI 2.3.0 Generated source version: 2.3.0

Constructor Summary

public	ServiceExceptionBean()
--------	--

Method Summary

int	getErrorCode()
String	getMessage()
void	setErrorCode(int errorCode)
void	setMessage(String message)

Methods inherited from class java.lang.Object

equals, getClass, hashCode, notify, notifyAll, toString, wait, wait, wait

Constructors

ServiceExceptionBean

```
public ServiceExceptionBean()
```

Methods

getErrorCode

```
public int getErrorCode()
```

Returns:
returns int

setErrorCode

```
public void setErrorCode(int errorCode)
```

Parameters:
errorCode - the value for the errorCode property

getMessage

```
public String getMessage()
```

Returns:
returns String

setMessage

```
public void setMessage(String message)
```

Parameters:
message - the value for the message property

Package

com.arcsight.product.core.service.v1.model

com.arcsight.product.core.service.v1.model Class AuthContext

java.lang.Object

└-com.arcsight.product.core.service.v1.model.AuthContext

All Implemented Interfaces:

CoreServiceModel

```
public class AuthContext
extends Object
implements CoreServiceModel
```

Constructor Summary

public	AuthContext() Constructor
--------	--

Method Summary

Boolean	getFallback() Tests whether this authContext is fallen back or not.
void	setFallback(Boolean fallback) Sets whether this authContext is fallen back.

Methods inherited from class java.lang.Object

equals, getClass, hashCode, notify, notifyAll, toString, wait, wait, wait

Constructors

AuthContext

```
public AuthContext()
```

Constructor

Methods

getFallback

```
public Boolean getFallback()
```

Tests whether this authContext is fallen back or not.

Returns:

True if this authContext is fallen back.

setFallback

```
public void setFallback(Boolean fallback)
```

Sets whether this authContext is fallen back.

Parameters:

`fallback` - If true, this authContext is fallen back.

com.arcsight.product.core.service.v1.model Class AuthMethod

java.lang.Object

↳ com.arcsight.product.core.service.v1.model.AuthMethod

All Implemented Interfaces:
CoreServiceModel

```
public class AuthMethod
extends Object
implements CoreServiceModel
```

Description of authentication method. Available methods are provided to the user, so that he/she could decide which method to use to connect to the server.

JSON prototype

Field Summary

public static final	BUILTIN
public static final	OSP
public static final	PKI
public static final	PKI_AND_LOCAL_PASSWORD
public static final	PKI_WITH_PASSWORD_BACKUP
public static final	RADIUS
public static final	RADIUS_WITH_PASSWORD_BACKUP

Constructor Summary

public	AuthMethod() Constructor
public	AuthMethod (boolean localPassword, boolean externalUserId)

Method Summary

boolean	isExternalUserId() Tests whether this authMethod has external user Id.
---------	---

boolean	isLocalPassword() Tests whether this AuthMethod has local password.
void	setExternalUserId(boolean externalUserId) Sets whether this authMethod has external user Id.
void	setLocalPassword(boolean localPassword) Sets whether this AuthMethod has local password.

Methods inherited from class `java.lang.Object`

`equals, getClass, hashCode, notify, notifyAll, toString, wait, wait, wait`

Fields

BUILTIN

```
public static final com.arcsight.product.core.service.v1.model.AuthMethod BUILTIN
```

PKI

```
public static final com.arcsight.product.core.service.v1.model.AuthMethod PKI
```

RADIUS

```
public static final com.arcsight.product.core.service.v1.model.AuthMethod RADIUS
```

PKI_AND_LOCAL_PASSWORD

```
public static final com.arcsight.product.core.service.v1.model.AuthMethod  
PKI_AND_LOCAL_PASSWORD
```

PKI_WITH_PASSWORD_BACKUP

```
public static final com.arcsight.product.core.service.v1.model.AuthMethod  
PKI_WITH_PASSWORD_BACKUP
```

RADIUS_WITH_PASSWORD_BACKUP

```
public static final com.arcsight.product.core.service.v1.model.AuthMethod  
RADIUS_WITH_PASSWORD_BACKUP
```

OSP

```
public static final com.arcsight.product.core.service.v1.model.AuthMethod OSP
```

Constructors

AuthMethod

```
public AuthMethod()
```

Constructor

AuthMethod

```
public AuthMethod(boolean localPassword,  
                  boolean externalUserId)
```

Methods

isLocalPassword

```
public boolean isLocalPassword()
```

Tests whether this AuthMethod has local password.

Returns:

True if this AuthMethod has local password.

setLocalPassword

```
public void setLocalPassword(boolean localPassword)
```

Sets whether this AuthMethod has local password.

Parameters:

`localPassword` - the localPassword to set

isExternalUserId

```
public boolean isExternalUserId()
```

Tests whether this authMethod has external user Id.

Returns:

True if this authMethod has external user Id.

setExternalUserId

```
public void setExternalUserId(boolean externalUserId)
```

Sets whether this authMethod has external user Id.

Parameters:

`externalUserId` - IF true, this authMethod has external user Id.

com.arcsight.product.core.service.v1.model Class AuthResponse

java.lang.Object

└-com.arcsight.product.core.service.v1.model.AuthResponse

All Implemented Interfaces:
CoreServiceModel

```
public class AuthResponse
extends Object
implements CoreServiceModel
```

Constructor Summary

public	AuthResponse() Constructor
public	AuthResponse(String authToken) Constructor

Method Summary

String	getAuthToken() Gets the string value of authToken.
User	getUser() Returns the user being authenticated.
boolean	isPasswordChangeRequired() Gets whether or not the user must change their password.
boolean	isPasswordExpiring() Notifies user that password is expiring soon.
void	setAuthToken(String authToken) Sets the string value of authToken.
void	setPasswordExpiring(boolean passwordExpiring) Sets whether password is expiring soon.
void	setUser(User user) Sets the user being authenticated.

Methods inherited from class java.lang.Object

equals, getClass, hashCode, notify, notifyAll, toString, wait, wait, wait

Constructors

AuthResponse

```
public AuthResponse()
```

Constructor

AuthResponse

```
public AuthResponse(String authToken)
```

Constructor

Parameters:

`authToken` - The string value of `authToken`.

Methods

getAuthToken

```
public String getAuthToken()
```

Gets the string value of `authToken`.

Returns:

The string value of `authToken`.

setAuthToken

```
public void setAuthToken(String authToken)
```

Sets the string value of `authToken`.

Parameters:

`authToken` - the string value `authToken` to set

getUser

```
public User getUser()
```

Returns the user being authenticated.

Returns:

User being authenticated.

setUser

```
public void setUser(User user)
```

Sets the user being authenticated.

Parameters:

`user` - The user being authenticated.

isPasswordExpiring

```
public boolean isPasswordExpiring()
```

Notifies user that password is expiring soon.

Returns:

True if password is expiring soon.

setPasswordExpiring

```
public void setPasswordExpiring(boolean passwordExpiring)
```

Sets whether password is expiring soon.

Parameters:

`passwordExpiring` - If true, password is expiring soon.

isPasswordChangeRequired

```
public boolean isPasswordChangeRequired()
```

Gets whether or not the user must change their password.

Returns:

True if the user must change their password.

com.arcsight.product.core.service.v1.model Class Credential

java.lang.Object

↳ com.arcsight.product.core.service.v1.model.Credential

All Implemented Interfaces:

CoreServiceModel

Direct Known Subclasses:

[PasswordCredential](#)

```
public class Credential
extends Object
implements CoreServiceModel
```

Constructor Summary

public	Credential()
--------	------------------------------

Method Summary

String	getUserName()
--------	-------------------------------

void	setUserName(String userName)
------	--

Methods inherited from class java.lang.Object

equals, getClass, hashCode, notify, notifyAll, toString, wait, wait, wait

Constructors

Credential

```
public Credential()
```

Methods

getUserName

```
public String getUserName()
```

Returns:

the userName

setUserName

```
public void setUserName(String userName)
```

Parameters:

userName - the userName to set

com.arcsight.product.core.service.v1.model Class Group

java.lang.Object

└-com.arcsight.product.core.service.v1.model.Group

All Implemented Interfaces:
CoreServiceModel

public class **Group**
extends Object
implements CoreServiceModel

Description of a Group of Users.

JSON prototype

Constructor Summary

public	Group()
--------	-------------------------

Method Summary

String	getDescription()
long	getId()
boolean	getIsDefault()
String	getName()
Long[]	getRightIds()
GroupType	getType()
Long[]	getUserIds()
void	setDescription(String description)
void	setId(long id)
void	setIsDefault(boolean isDefault)
void	setName(String name)

void	setRightIds (Long[] rightIds)
void	setType (GroupType type)
void	setUserIds (Long[] userIds)

Methods inherited from class `java.lang.Object`

`equals`, `getClass`, `hashCode`, `notify`, `notifyAll`, `toString`, `wait`, `wait`, `wait`

Constructors

Group

```
public Group()
```

Methods

getId

```
public long getId()
```

getRightIds

```
public Long[] getRightIds()
```

setRightIds

```
public void setRightIds(Long[] rightIds)
```

getUserIds

```
public Long[] getUserIds()
```

setUserIds

```
public void setUserIds(Long[] userIds)
```

setId

```
public void setId(long id)
```

getType

```
public GroupType getType()
```

setType

```
public void setType(GroupType type)
```

getName

```
public String getName()
```

setName

```
public void setName(String name)
```

getDescription

```
public String getDescription()
```

setDescription

```
public void setDescription(String description)
```

getIsDefault

```
public boolean getIsDefault()
```

setIsDefault

```
public void setIsDefault(boolean isDefault)
```

com.arcsight.product.core.service.v1.model Class GroupType

```
java.lang.Object
├-- java.lang.Enum
│   └-- com.arcsight.product.core.service.v1.model.GroupType
```

All Implemented Interfaces:
Serializable, Comparable

public final class **GroupType**
extends Enum

Different types of groups that can be created.

Field Summary

public static final	CONAPP_RIGHTS
public static final	LOGGER_REPORT
public static final	LOGGER_RIGHTS
public static final	LOGGER_SEARCH
public static final	SYSTEM_ADMIN

Method Summary

String	getDbName()
static GroupType	valueOf(String name)
static GroupType[]	values()

Methods inherited from class java.lang.Enum

compareTo, equals, getDeclaringClass, hashCode, name, ordinal, toString, valueOf

Methods inherited from class java.lang.Object

equals, getClass, hashCode, notify, notifyAll, toString, wait, wait, wait

Methods inherited from interface java.lang.Comparable

```
compareTo
```

Fields

SYSTEM_ADMIN

```
public static final com.arcsight.product.core.service.v1.model.GroupType SYSTEM_ADMIN
```

LOGGER_RIGHTS

```
public static final com.arcsight.product.core.service.v1.model.GroupType LOGGER_RIGHTS
```

LOGGER_REPORT

```
public static final com.arcsight.product.core.service.v1.model.GroupType LOGGER_REPORT
```

LOGGER_SEARCH

```
public static final com.arcsight.product.core.service.v1.model.GroupType LOGGER_SEARCH
```

CONAPP_RIGHTS

```
public static final com.arcsight.product.core.service.v1.model.GroupType CONAPP_RIGHTS
```

Methods

values

```
public static GroupType\[\] values()
```

valueOf

```
public static GroupType valueOf(String name)
```

getDbName

```
public String getDbName()
```

com.arcsight.product.core.service.v1.model Class LoginCookieType

```
java.lang.Object
├-- java.lang.Enum
│   └-- com.arcsight.product.core.service.v1.model.LoginCookieType
```

All Implemented Interfaces:
Serializable, Comparable

```
public final class LoginCookieType
extends Enum
```

Field Summary

public static final	ESM
public static final	PLATFORM

Method Summary

static LoginCookieType	valueOf (String name)
static LoginCookieType[]	values ()

Methods inherited from class java.lang.Enum

compareTo, equals, getDeclaringClass, hashCode, name, ordinal, toString, valueOf

Methods inherited from class java.lang.Object

equals, getClass, hashCode, notify, notifyAll, toString, wait, wait, wait

Methods inherited from interface java.lang.Comparable

compareTo

Fields

ESM

```
public static final com.arcsight.product.core.service.v1.model.LoginCookieType ESM
```

PLATFORM

```
public static final com.arcsight.product.core.service.v1.model.LoginCookieType PLATFORM
```

Methods

values

```
public static LoginCookieType\[\] values()
```

valueOf

```
public static LoginCookieType valueOf(String name)
```

com.arcsight.product.core.service.v1.model Class PasswordComplexityRequirement

```
java.lang.Object
├-- java.lang.Enum
│   └-- com.arcsight.product.core.service.v1.model.PasswordComplexityRequirement
```

All Implemented Interfaces:
Serializable, Comparable

public final class **PasswordComplexityRequirement**
extends Enum

Different types of complexity requirements that may be imposed when a user is changing their password.

Field Summary

public static final	MAXIMUM_LENGTH ...
public static final	MINIMUM_DIFFERENCE ...
public static final	MINIMUM_LENGTH is the password at least a minimum length ...
public static final	MINIMUM_LOWER_CASE ...
public static final	MINIMUM_NUMERIC ...
public static final	MINIMUM_SPECIAL_CHARACTERS ...
public static final	MINIMUM_UPPER_CASE ...

Method Summary

static PasswordComplexityRequirement	valueOf (String name)
static PasswordComplexityRequirement[]	values ()

Methods inherited from class java.lang.Enum

compareTo, equals, getDeclaringClass, hashCode, name, ordinal, toString, valueOf

Methods inherited from class `java.lang.Object`

`equals`, `getClass`, `hashCode`, `notify`, `notifyAll`, `toString`, `wait`, `wait`, `wait`

Methods inherited from interface `java.lang.Comparable`

`compareTo`

Fields

MINIMUM_LENGTH

```
public static final
com.arcsight.product.core.service.v1.model.PasswordComplexityRequirement MINIMUM_LENGTH
```

is the password at least a minimum length ...

MAXIMUM_LENGTH

```
public static final
com.arcsight.product.core.service.v1.model.PasswordComplexityRequirement MAXIMUM_LENGTH
```

... at most a maximum length ...

MINIMUM_NUMERIC

```
public static final
com.arcsight.product.core.service.v1.model.PasswordComplexityRequirement MINIMUM_NUMERIC
```

... have a minimum number of numeric characters ...

MINIMUM_UPPER_CASE

```
public static final
com.arcsight.product.core.service.v1.model.PasswordComplexityRequirement
MINIMUM_UPPER_CASE
```

... have a minimum number of upper-case characters ...

MINIMUM_LOWER_CASE

```
public static final
com.arcsight.product.core.service.v1.model.PasswordComplexityRequirement
MINIMUM_LOWER_CASE
```

... have a minimum number of lower-case characters ...

MINIMUM_SPECIAL_CHARACTERS

```
public static final
com.arcsight.product.core.service.v1.model.PasswordComplexityRequirement
MINIMUM_SPECIAL_CHARACTERS
```

... have a minimum number of special characters ...

MINIMUM_DIFFERENCE

```
public static final  
com.arcsight.product.core.service.v1.model.PasswordComplexityRequirement  
MINIMUM_DIFFERENCE
```

... at least a certain number of characters different from the old password

Methods

values

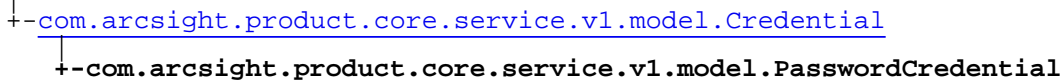
```
public static PasswordComplexityRequirement\[\] values()
```

valueOf

```
public static PasswordComplexityRequirement valueOf(String name)
```

com.arcsight.product.core.service.v1.model Class PasswordCredential

java.lang.Object



All Implemented Interfaces:

CoreServiceModel, CoreServiceModel

```
public class PasswordCredential
extends Credential
implements CoreServiceModel, CoreServiceModel
```

Constructor Summary

public	PasswordCredential() Constructor.
public	PasswordCredential(String userName, String password) Constructor.

Method Summary

String	getPassword() Gets the password of the login user.
void	setPassword(String password) Sets the password for the login user.

Methods inherited from class [com.arcsight.product.core.service.v1.model.Credential](#)

[getUserName](#), [setUserName](#)

Methods inherited from class java.lang.Object

[equals](#), [getClass](#), [hashCode](#), [notify](#), [notifyAll](#), [toString](#), [wait](#), [wait](#), [wait](#)

Constructors

PasswordCredential

```
public PasswordCredential()
```

Constructor.

PasswordCredential

```
public PasswordCredential(String userName,  
                          String password)
```

Constructor.

Parameters:

`userName` - The login name of the login user.

`password` - The password of the login user.

Methods

getPassword

```
public String getPassword()
```

Gets the password of the login user.

Returns:

the password

setPassword

```
public void setPassword(String password)
```

Sets the password for the login user.

Parameters:

`password` - The password to set.

com.arcsight.product.core.service.v1.model Class PasswordRequirement

java.lang.Object

└-com.arcsight.product.core.service.v1.model.PasswordRequirement

All Implemented Interfaces:
CoreServiceModel

```
public class PasswordRequirement
extends Object
implements CoreServiceModel
```

Requirements for new passwords.

JSON prototype

Constructor Summary

public	PasswordRequirement()
--------	---------------------------------------

Method Summary

PasswordComplexityRequirement	getRequirement()
Integer	getValue()
void	setRequirement(PasswordComplexityRequirement requirement)
void	setValue(Integer value)

Methods inherited from class java.lang.Object

`equals, getClass, hashCode, notify, notifyAll, toString, wait, wait, wait`

Constructors

PasswordRequirement

```
public PasswordRequirement()
```

Methods

getRequirement

```
public PasswordComplexityRequirement getRequirement()
```

setRequirement

```
public void setRequirement(PasswordComplexityRequirement requirement)
```

getValue

```
public Integer getValue()
```

setValue

```
public void setValue(Integer value)
```

com.arcsight.product.core.service.v1.model Class Right

java.lang.Object

└-com.arcsight.product.core.service.v1.model.Right

All Implemented Interfaces:
CoreServiceModel

```
public class Right
extends Object
implements CoreServiceModel
```

DESCRIBE ME

JSON prototype

Constructor Summary

public	Right()
--------	-------------------------

Method Summary

String	getCategory()
String	getDescription()
long	getId()
String	getModule()
String	getName()
String	getType()
void	setCategory(String category)
void	setDescription(String description)
void	setId(long id)
void	setModule(String module)
void	setName(String name)

void	setType (String type)
------	---------------------------------------

Methods inherited from class `java.lang.Object`

`equals`, `getClass`, `hashCode`, `notify`, `notifyAll`, `toString`, `wait`, `wait`, `wait`

Constructors

Right

```
public Right()
```

Methods

getId

```
public long getId()
```

setId

```
public void setId(long id)
```

getType

```
public String getType()
```

setType

```
public void setType(String type)
```

getModule

```
public String getModule()
```

setModule

```
public void setModule(String module)
```

getName

```
public String getName()
```

setName

```
public void setName(String name)
```

getDescription

```
public String getDescription()
```

setDescription

```
public void setDescription(String description)
```

getCategory

```
public String getCategory()
```

setCategory

```
public void setCategory(String category)
```

com.arcsight.product.core.service.v1.model Class ScheduledWorkPeriod

java.lang.Object

↳ com.arcsight.product.core.service.v1.model.ScheduledWorkPeriod

All Implemented Interfaces:
CoreServiceModel

```
public class ScheduledWorkPeriod
extends Object
implements CoreServiceModel
```

Description of scheduled work period.

JSON prototype

Constructor Summary

public	ScheduledWorkPeriod()
--------	---------------------------------------

Method Summary

Workday	getDayOfWeek() Get the dayOfWeek.
Time	getEndTime() Get the endTime.
Long	getId() Get the id.
Time	getStartTime() Get the startTime.
void	setDayOfWeek(Workday dayOfWeek) Set the dayOfWeek.
void	setEndTime(Time endTime) Set the endTime.
void	setId(Long id) Set the id.
void	setStartTime(Time startTime) Set the startTime.
String	toString()

Methods inherited from class `java.lang.Object`

`equals`, `getClass`, `hashCode`, `notify`, `notifyAll`, `toString`, `wait`, `wait`, `wait`

Constructors

ScheduledWorkPeriod

```
public ScheduledWorkPeriod()
```

Methods

getId

```
public Long getId()
```

Get the id.

Returns:
the id

setId

```
public void setId(Long id)
```

Set the id.

Parameters:
id - the id to set

getDayOfWeek

```
public Workday getDayOfWeek()
```

Get the dayOfWeek.

Returns:
the dayOfWeek

setDayOfWeek

```
public void setDayOfWeek(Workday dayOfWeek)
```

Set the dayOfWeek.

Parameters:
dayOfWeek - the dayOfWeek to set

getTime

```
public Time getTime()
```

Get the startTime.

Returns:
the startTime

setStartTime

```
public void setStartTime(Time startTime)
```

Set the startTime.

Parameters:
startTime - the startTime to set

getEndTime

```
public Time getEndTime()
```

Get the endTime.

Returns:
the endTime

setEndTime

```
public void setEndTime(Time endTime)
```

Set the endTime.

Parameters:
endTime - the endTime to set

toString

```
public String toString()
```

com.arcsight.product.core.service.v1.model Class Session

java.lang.Object

└-com.arcsight.product.core.service.v1.model.Session

All Implemented Interfaces:
CoreServiceModel

public class **Session**
extends Object
implements CoreServiceModel

DESCRIBE ME

JSON prototype

Constructor Summary

public	Session()
--------	---------------------------

Method Summary

String	getAuthToken() Gets the string value of authToken.
long	getCreationMillis() Gets the long value of creation time in millisecond of this session.
long	getExpirationMillis() Gets the long value of expiration time in millisecond of this session.
long	getUserId() Gets the ID of the login user in this session.
void	setAuthToken(String authToken) Sets the string value of authToken.
void	setCreationMillis(long creationMillis) Sets the long value of creation time in millisecond of this session.
void	setExpirationMillis(long expirationMillis) Sets the long value of expiration time in millisecond of this session.
void	setUserId(long userId) Sets the ID of the login user in this session.

Methods inherited from class java.lang.Object

equals, getClass, hashCode, notify, notifyAll, toString, wait, wait, wait

Constructors

Session

```
public Session()
```

Methods

getAuthToken

```
public String getAuthToken()
```

Gets the string value of authToken.

Returns:

The string value of authToken.

setAuthToken

```
public void setAuthToken(String authToken)
```

Sets the string value of authToken.

Parameters:

authToken - The string value of authToken.

getUserId

```
public long getUserId()
```

Gets the ID of the login user in this session.

Returns:

The ID of the login user.

setUserId

```
public void setUserId(long userId)
```

Sets the ID of the login user in this session.

Parameters:

userId - The ID of login user.

getCreationMillis

```
public long getCreationMillis()
```

Gets the long value of creation time in millisecond of this session.

Returns:

The long value of creation time in millisecond of this session.

setCreationMillis

```
public void setCreationMillis(long creationMillis)
```

Sets the long value of creation time in millisecond of this session.

Parameters:

`creationMillis` - The long value of creation time in millisecond of this session.

getExpirationMillis

```
public long getExpirationMillis()
```

Gets the long value of expiration time in millisecond of this session.

Returns:

The long value of expiration time in millisecond of this session.

setExpirationMillis

```
public void setExpirationMillis(long expirationMillis)
```

Sets the long value of expiration time in millisecond of this session.

Parameters:

`expirationMillis` - The long value of expiration time in millisecond of this session.

com.arcsight.product.core.service.v1.model Class Time

java.lang.Object

└-com.arcsight.product.core.service.v1.model.Time

All Implemented Interfaces:
CoreServiceModel

public class **Time**
extends Object
implements CoreServiceModel

DESCRIBE ME

JSON prototype

Constructor Summary

public	Time()
--------	------------------------

Method Summary

int	getHour()
-----	---------------------------

Get the hour.

int	getMinutes()
-----	------------------------------

Get the minutes.

void	setHour(int hour)
------	-----------------------------------

Set the hour.

void	setMinutes(int minutes)
------	---

Set the minutes.

Methods inherited from class java.lang.Object

equals, getClass, hashCode, notify, notifyAll, toString, wait, wait, wait

Constructors

Time

public **Time**()

Methods

getHour

```
public int getHour()
```

Get the hour.

Returns:

the hour

setHour

```
public void setHour(int hour)
```

Set the hour.

Parameters:

hour - the hour to set

getMinutes

```
public int getMinutes()
```

Get the minutes.

Returns:

the minutes

setMinutes

```
public void setMinutes(int minutes)
```

Set the minutes.

Parameters:

minutes - the minutes to set

com.arcsight.product.core.service.v1.model Class User

java.lang.Object

└-com.arcsight.product.core.service.v1.model.User

All Implemented Interfaces:
CoreServiceModel

public class **User**
extends Object
implements CoreServiceModel

DESCRIBE ME

JSON prototype

Constructor Summary

public	User() Constructor
--------	---------------------------------------

Method Summary

String	getDepartment() Gets the department of this user.
String	getEmail() Gets the email of this user.
String	getExternalLoginId() Get the external login Id of this user.
String	getFax() Gets the fax information of this user.
String	getFirstName() Gets the first name of this user.
String[]	getGroupIds() Gets the IDs of the groups which this user is/was in.
Long	getId() Gets the ID of this user.
Boolean	getIsActive() Tests whether this user is active.
boolean	getIsDefault()

String	getLastName() Gets the last name of this user.
String	getLogin() Gets the login name of this user.
boolean	getMustChangePassword() Tests whether the password is required to change.
String	getNotes() Gets the notes of this user.
String	getPagerNumber() Gets the pager number of this user.
String	getPassword() Gets the password of this user.
String	getPhone() Gets the phone number of this user.
List	getScheduledWorkPeriods() Gets the list of scheduled work periods for this user.
String	getTitle() Gets the title of this user.
boolean	isLocked() Tests whether this user is locked.
void	setDepartment(String department) Sets the department of this user.
void	setEmail(String email) Sets the email of this user.
void	setExternalLoginId(String externalLoginId) Set the external login Id of this user.
void	setFax(String fax) Sets the fax information of this user.
void	setFirstName(String firstName) Sets the first name of this user.
void	setGroupIds(String[] groupIds) Sets the ID of the group which this user is in.
void	setId(Long id) Sets the ID of this user.
void	setIsActive(Boolean isActive) Sets whether this user is active.
void	setIsDefault(boolean isDefault)

void	setLastName (String lastName) Sets the last name of this user.
void	setLocked (boolean locked) Sets whether this user is locked.
void	setLogin (String login) Sets the login name of this user.
void	setMustChangePassword (boolean mustChangePassword) Sets whether the password is required to change.
void	setNotes (String notes) Sets the notes of this user.
void	setPagerNumber (String pagerNumber) Sets the pager number of this user.
void	setPassword (String password) Sets the password of this user.
void	setPhone (String phone) Sets the phone number of this user.
void	setScheduledWorkPeriods (List scheduledWorkPeriods) Set the list of scheduled work periods.
void	setTitle (String title) Sets the title of this user.

Methods inherited from class `java.lang.Object`

`equals`, `getClass`, `hashCode`, `notify`, `notifyAll`, `toString`, `wait`, `wait`, `wait`

Constructors

User

```
public User()
```

Constructor

Methods

getId

```
public Long getId()
```

Gets the ID of this user.

Returns:

ID of this user.

setId

```
public void setId(Long id)
```

Sets the ID of this user.

Parameters:

id - of this user.

getGroupIds

```
public String[] getGroupIds()
```

Gets the IDs of the groups which this user is/was in.

Returns:

IDs of the groups which this user is/was in.

setGroupIds

```
public void setGroupIds(String[] groupIds)
```

Sets the ID of the group which this user is in.

Parameters:

groupIds - ID of the group which this user is in.

getLogin

```
public String getLogin()
```

Gets the login name of this user.

Returns:

The login name of this user.

setLogin

```
public void setLogin(String login)
```

Sets the login name of this user.

Parameters:

login - The login name of this user.

getFirstName

```
public String getFirstName()
```

Gets the first name of this user.

Returns:

The first name of this user.

setFirstName

```
public void setFirstName(String firstName)
```

Sets the first name of this user.

Parameters:

`firstName` - The first name of this user.

getLastName

```
public String getLastName()
```

Gets the last name of this user.

Returns:

The last name of this user.

setLastName

```
public void setLastName(String lastName)
```

Sets the last name of this user.

Parameters:

`lastName` - The last name of this user.

getEmail

```
public String getEmail()
```

Gets the email of this user.

Returns:

The email of this user.

setEmail

```
public void setEmail(String email)
```

Sets the email of this user.

Parameters:

`email` - The email of this user.

setPassword

```
public void setPassword(String password)
```

Sets the password of this user.

Parameters:

`password` - The password of this user.

getIsActive

```
public Boolean getIsActive()
```

Tests whether this user is active.

Returns:

True if this user is active.

setIsActive

```
public void setIsActive(Boolean isActive)
```

Sets whether this user is active.

Parameters:

`isActive` - If true, this user is active.

getPhone

```
public String getPhone()
```

Gets the phone number of this user.

Returns:

The phone number of this user.

setPhone

```
public void setPhone(String phone)
```

Sets the phone number of this user.

Parameters:

`phone` - The phone number of this user.

getIsDefault

```
public boolean getIsDefault()
```

setIsDefault

```
public void setIsDefault(boolean isDefault)
```

getPassword

```
public String getPassword()
```

Gets the password of this user. **NOTE:** for API - business layer mapping only; not expected to be used by clients.

Returns:

The password of this user.

getExternalLoginId

```
public String getExternalLoginId()
```

Get the external login Id of this user.

Returns:

The external login Id of this user.

setExternalLoginId

```
public void setExternalLoginId(String externalLoginId)
```

Set the external login Id of this user.

Parameters:

`externalLoginId` - The external login Id to set for this user.

getMustChangePassword

```
public boolean getMustChangePassword()
```

Tests whether the password is required to change.

Returns:

True if the password is required to change.

setMustChangePassword

```
public void setMustChangePassword(boolean mustChangePassword)
```

Sets whether the password is required to change.

Parameters:

`mustChangePassword` - If true, the password is required to change.

getScheduledWorkPeriods

```
public List getScheduledWorkPeriods()
```

Gets the list of scheduled work periods for this user.

Returns:

The list of scheduled work periods.

setScheduledWorkPeriods

```
public void setScheduledWorkPeriods(List scheduledWorkPeriods)
```

Set the list of scheduled work periods.

Parameters:

`scheduledWorkPeriods` - The list of scheduled work periods to set

getTitle

```
public String getTitle()
```

Gets the title of this user.

Returns:

The title of this user.

setTitle

```
public void setTitle(String title)
```

Sets the title of this user.

Parameters:

`title` - The title of this user.

getDepartment

```
public String getDepartment()
```

Gets the department of this user.

Returns:

The department of this user.

setDepartment

```
public void setDepartment(String department)
```

Sets the department of this user.

Parameters:

`department` - The department of this user.

getFax

```
public String getFax()
```

Gets the fax information of this user.

Returns:

The fax information of this user.

setFax

```
public void setFax(String fax)
```

Sets the fax information of this user.

Parameters:

fax - The fax information of this user.

getPagerNumber

```
public String getPagerNumber()
```

Gets the pager number of this user.

Returns:

The pager number of this user.

setPagerNumber

```
public void setPagerNumber(String pagerNumber)
```

Sets the pager number of this user.

Parameters:

pagerNumber - The pager number of this user.

getNotes

```
public String getNotes()
```

Gets the notes of this user.

Returns:

The notes of this user.

setNotes

```
public void setNotes(String notes)
```

Sets the notes of this user.

Parameters:

notes - The notes of this user.

isLocked

```
public boolean isLocked()
```

Tests whether this user is locked.

Returns:

True if this user is locked.

setLocked

```
public void setLocked(boolean locked)
```

Sets whether this user is locked.

Parameters:

locked - If true, this user is locked.

com.arcsight.product.core.service.v1.model Class Workday

```
java.lang.Object
├-- java.lang.Enum
│   └-- com.arcsight.product.core.service.v1.model.Workday
```

All Implemented Interfaces:
Serializable, Comparable

```
public final class Workday
extends Enum
```

Field Summary

public static final	Friday
public static final	Monday
public static final	Saturday
public static final	Sunday
public static final	Thursday
public static final	Tuesday
public static final	Wednesday

Method Summary

static Workday	valueOf (String name)
static Workday[]	values ()

Methods inherited from class java.lang.Enum

compareTo, equals, getDeclaringClass, hashCode, name, ordinal, toString, valueOf

Methods inherited from class java.lang.Object

equals, getClass, hashCode, notify, notifyAll, toString, wait, wait, wait

Methods inherited from interface java.lang.Comparable

compareTo

Fields

Sunday

```
public static final com.arcsight.product.core.service.v1.model.Workday Sunday
```

Monday

```
public static final com.arcsight.product.core.service.v1.model.Workday Monday
```

Tuesday

```
public static final com.arcsight.product.core.service.v1.model.Workday Tuesday
```

Wednesday

```
public static final com.arcsight.product.core.service.v1.model.Workday Wednesday
```

Thursday

```
public static final com.arcsight.product.core.service.v1.model.Workday Thursday
```

Friday

```
public static final com.arcsight.product.core.service.v1.model.Workday Friday
```

Saturday

```
public static final com.arcsight.product.core.service.v1.model.Workday Saturday
```

Methods

values

```
public static Workday\[\] values()
```

valueOf

```
public static Workday valueOf(String name)
```

Package

com.arcsight.product.core.service.v1.model.jaxb

com.arcsight.product.core.service.v1.model.jaxb Class HashMapOfRightListResponse

java.lang.Object

├-com.arcsight.coma.util.HashMapOfListsResponse

└-com.arcsight.product.core.service.v1.model.jaxb.HashMapOfRightListResponse

```
public class HashMapOfRightListResponse  
extends com.arcsight.coma.util.HashMapOfListsResponse
```

Class to be used with JAXB for return types like HashMap>.

Constructor Summary

public	HashMapOfRightListResponse()
--------	--

Methods inherited from class com.arcsight.coma.util.HashMapOfListsResponse

getReturn, setReturn

Methods inherited from class java.lang.Object

equals, getClass, hashCode, notify, notifyAll, toString, wait, wait, wait

Constructors

HashMapOfRightListResponse

```
public HashMapOfRightListResponse()
```

com.arcsight.product.core.service.v1.model.jaxb Class ObjectFactory

java.lang.Object

└-com.arcsight.product.core.service.v1.model.jaxb.ObjectFactory

public final class **ObjectFactory**
extends Object

Constructor Summary

public	ObjectFactory()
--------	---------------------------------

Methods inherited from class java.lang.Object

equals, getClass, hashCode, notify, notifyAll, toString, wait, wait, wait

Constructors

ObjectFactory

public **ObjectFactory**()

Package

com.arcsight.product.core.service.v1.rest

com.arcsight.product.core.service.v1.rest Class LoginServiceImpl

java.lang.Object

└-com.arcsight.product.core.service.v1.rest.LoginServiceImpl

```
public class LoginServiceImpl
extends Object
```

Implementation of the login service interface.

Constructor Summary

public	LoginServiceImpl()
--------	------------------------------------

Method Summary

LoginServiceAuthenticateResponse	authenticate(LoginServiceAuthenticate value) Authenticates the user with the given credentials.
LoginServiceAuthenticateOSPCredentialResponse	authenticateOSPCredential(javax.ws.rs.core.HttpHeaders hh) OSP has authenticated the user, this method verifies the user is valid in the system and processes accordingly Note: It is expected that the OSPCredential has been stashed in a ThreadLocal variable which is known to the OSPCredential class.
LoginServiceAuthenticateOSPCredentialResponse	authenticateOSPCredential(LoginServiceAuthenticateOSPCredential value) OSP has authenticated the user, this method verifies the user is valid in the system and processes accordingly Note: It is expected that the OSPCredential has been stashed in a ThreadLocal variable which is known to the OSPCredential class.
LoginServiceAuthenticateOSPCredentialResponse	authenticateOSPCredentialPost(javax.ws.rs.core.HttpHeaders hh) OSP has authenticated the user, this method verifies the user is valid in the system and processes accordingly Note: It is expected that the OSPCredential has been stashed in a ThreadLocal variable which is known to the OSPCredential class.
LoginServiceChangeLoginPasswordResponse	changeLoginPassword(LoginServiceChangeLoginPassword value) Changes login's password.
LoginServiceChangeLoginPasswordResponse	changeLoginPassword(String authToken, String login, String oldPassword, String newPassword, boolean resetFailedLogins, javax.ws.rs.core.HttpHeaders hh) Changes login's password.
LoginServiceChangeLoginPasswordResponse	changeLoginPasswordPost(String authToken, String login, String oldPassword, String newPassword, boolean resetFailedLogins, javax.ws.rs.core.HttpHeaders hh) Changes login's password.
LoginServiceGetAuthenticationMethodResponse	getAuthenticationMethod(javax.ws.rs.core.HttpHeaders hh) Gets the method that applications should use to authenticate users.

LoginServiceGetAuthenticationMethodResponse	getAuthenticationMethod (LoginServiceGetAuthenticationMethod value) Gets the method that applications should use to authenticate users.
LoginServiceGetAuthenticationMethodResponse	getAuthenticationMethodPost (javax.ws.rs.core.HttpHeaders hh) Gets the method that applications should use to authenticate users.
LoginServiceGetCurrentUserResponse	getCurrentUser (LoginServiceGetCurrentUser value) Returns the login user for the current session.
LoginServiceGetCurrentUserResponse	getCurrentUser (String authToken, javax.ws.rs.core.HttpHeaders hh) Returns the login user for the current session.
LoginServiceGetCurrentUserResponse	getCurrentUserPost (String authToken, javax.ws.rs.core.HttpHeaders hh) Returns the login user for the current session.
LoginServiceGetOSPSettingsResponse	getOSPSettings (javax.ws.rs.core.HttpHeaders hh) Gets the OSP settings from the jaas.config file.
LoginServiceGetOSPSettingsResponse	getOSPSettings (LoginServiceGetOSPSettings value) Gets the OSP settings from the jaas.config file.
LoginServiceGetOSPSettingsResponse	getOSPSettingsPost (javax.ws.rs.core.HttpHeaders hh) Gets the OSP settings from the jaas.config file.
LoginServiceGetServiceMajorVersionResponse	getServiceMajorVersion (LoginServiceGetServiceMajorVersion value) The major version of this service.
LoginServiceGetServiceMajorVersionResponse	getServiceMajorVersion (String authToken, javax.ws.rs.core.HttpHeaders hh) The major version of this service.
LoginServiceGetServiceMajorVersionResponse	getServiceMajorVersionPost (String authToken, javax.ws.rs.core.HttpHeaders hh) The major version of this service.
LoginServiceGetServiceMinorVersionResponse	getServiceMinorVersion (LoginServiceGetServiceMinorVersion value) The minor version of this service.
LoginServiceGetServiceMinorVersionResponse	getServiceMinorVersion (String authToken, javax.ws.rs.core.HttpHeaders hh) The minor version of this service.
LoginServiceGetServiceMinorVersionResponse	getServiceMinorVersionPost (String authToken, javax.ws.rs.core.HttpHeaders hh) The minor version of this service.
LoginServiceGetSessionResponse	getSession (LoginServiceGetSession value) Returns the current session.
LoginServiceGetSessionResponse	getSession (String authToken, javax.ws.rs.core.HttpHeaders hh) Returns the current session.
LoginServiceGetSessionResponse	getSessionPost (String authToken, javax.ws.rs.core.HttpHeaders hh) Returns the current session.

LoginServiceLoginResponse	login (LoginServiceLogin value) Establishes a session using the specified login and password, and gets the string value of the auth-token which is valid throughout the life of the session.
LoginServiceLoginResponse	login (String login, String password, javax.ws.rs.core.HttpHeaders hh) Establishes a session using the specified login and password, and gets the string value of the auth-token which is valid throughout the life of the session.
LoginServiceLoginForOneTimeUseResponse	loginForOneTimeUse (LoginServiceLoginForOneTimeUse value) Establishes a session which can only be used once subsequent to its creation, and gets the string value of auth-token which is valid throughout the life of the session.
LoginServiceLoginForOneTimeUseResponse	loginForOneTimeUse (String login, String password, javax.ws.rs.core.HttpHeaders hh) Establishes a session which can only be used once subsequent to its creation, and gets the string value of auth-token which is valid throughout the life of the session.
LoginServiceLoginForOneTimeUseResponse	loginForOneTimeUsePost (String login, String password, javax.ws.rs.core.HttpHeaders hh) Establishes a session which can only be used once subsequent to its creation, and gets the string value of auth-token which is valid throughout the life of the session.
LoginServiceLoginResponse	loginPost (String login, String password, javax.ws.rs.core.HttpHeaders hh) Establishes a session using the specified login and password, and gets the string value of the auth-token which is valid throughout the life of the session.
Void	logout (LoginServiceLogout value) Drops the current session and its bound auth-token.
Void	logout (String authToken, javax.ws.rs.core.HttpHeaders hh) Drops the current session and its bound auth-token.
Void	logoutPost (String authToken, javax.ws.rs.core.HttpHeaders hh) Drops the current session and its bound auth-token.
Void	resetPassword (LoginServiceResetPassword value) Resets the password for the user specified by the login userName.
Void	resetPassword (String login, javax.ws.rs.core.HttpHeaders hh) Resets the password for the user specified by the login userName.
Void	resetPasswordPost (String login, javax.ws.rs.core.HttpHeaders hh) Resets the password for the user specified by the login userName.
LoginServiceSendAuthChallengeResponseResponse	sendAuthChallengeResponse (int challengeId, String resp, javax.ws.rs.core.HttpHeaders hh) Sends a response for the requested challenge back to JAAS CallbackHandler, which initiates that challenge.
LoginServiceSendAuthChallengeResponseResponse	sendAuthChallengeResponse (LoginServiceSendAuthChallengeResponse value) Sends a response for the requested challenge back to JAAS CallbackHandler, which initiates that challenge.
LoginServiceSendAuthChallengeResponseResponse	sendAuthChallengeResponsePost (int challengeId, String resp, javax.ws.rs.core.HttpHeaders hh) Sends a response for the requested challenge back to JAAS CallbackHandler, which initiates that challenge.

Methods inherited from class `java.lang.Object`

`equals`, `getClass`, `hashCode`, `notify`, `notifyAll`, `toString`, `wait`, `wait`, `wait`

Constructors

LoginServiceImpl

```
public LoginServiceImpl()
```

Methods

login

```
public LoginServiceLoginResponse login(String login,
    String password,
    javax.ws.rs.core.HttpHeaders hh)
    throws ServiceException,
    AuthorizationException,
    AuthenticationException
```

Establishes a session using the specified login and password, and gets the string value of the auth-token which is valid throughout the life of the session.

If the provided information is enough to authenticate the user, the server sends back the authentication token. Otherwise this method throws an `ServiceException`. Check the error code of the exception to determine whether authentication failed or the server requested additional challenge if the error code equals to `RuntimeLoginException.LOGIN_CHALLENGE`. The ID of the additional challenge and key for the prompt string could be retrieved from exception's message that is prepared as `String.format("prompt=%s&id=%s", challengePromptKey, Integer.toString(challengeId))`. The client application is responsible for requesting additional information from the user for the challenge ID and sending the response back via another method `sendAuthChallengeResponse`.

Parameters:

`login` - The login user name
`password` - The password of the login user
`authToken` - Authentication token created for the current session
`hh` - HTTP headers from http request

Returns:

The string value of auth-token to use for further calls otherwise

Throws:

`ServiceException` - if authentication failed or the server challenges with additional question
[com.arcsight.coma.bridge.AuthorizationException](#) - If the user is not authorized to perform this operation
[com.arcsight.coma.bridge.AuthenticationException](#) - If the user is not authenticated
[com.arcsight.tools.coma.service.ServiceException](#) - For any errors happened during execution of this operation

loginPost

```
public LoginServiceLoginResponse loginPost(String login,  
      String password,  
      javax.ws.rs.core.HttpHeaders hh)  
throws ServiceException,  
      AuthorizationException,  
      AuthenticationException
```

Establishes a session using the specified login and password, and gets the string value of the auth-token which is valid throughout the life of the session.

If the provided information is enough to authenticate the user, the server sends back the authentication token. Otherwise this method throws an `ServiceException`. Check the error code of the exception to determine whether authentication failed or the server requested additional challenge if the error code equals to [RuntimeLoginException.LOGIN_CHALLENGE](#). The ID of the additional challenge and key for the prompt string could be retrieved from exception's message that is prepared as `String.format("prompt=%s&id=%s", challengePromptKey, Integer.toString(challengeId))`. The client application is responsible for requesting additional information from the user for the challenge ID and sending the response back via another method `sendAuthChallengeResponse`.

Parameters:

`login` - The login user name
`password` - The password of the login user
`authToken` - Authentication token created for the current session
`hh` - HTTP headers from http request

Returns:

The string value of auth-token to use for further calls otherwise

Throws:

[ServiceException](#) - if authentication failed or the server challenges with additional question
[com.arcsight.coma.bridge.AuthorizationException](#) - If the user is not authorized to perform this operation
[com.arcsight.coma.bridge.AuthenticationException](#) - If the user is not authenticated

login

```
public LoginServiceLoginResponse login(LoginServiceLogin value)  
throws ServiceException,  
      AuthorizationException,  
      AuthenticationException
```

Establishes a session using the specified login and password, and gets the string value of the auth-token which is valid throughout the life of the session.

If the provided information is enough to authenticate the user, the server sends back the authentication token. Otherwise this method throws an `ServiceException`. Check the error code of the exception to determine whether authentication failed or the server requested additional challenge if the error code equals to [RuntimeLoginException.LOGIN_CHALLENGE](#). The ID of the additional challenge and key for the prompt string could be retrieved from exception's message that is prepared as `String.format("prompt=%s&id=%s", challengePromptKey, Integer.toString(challengeId))`. The client application is responsible for requesting additional information from the user for the challenge ID and sending the response back via another method `sendAuthChallengeResponse`.

Parameters:

`value` - Model object containing request body

Returns:

The string value of auth-token to use for further calls otherwise

Throws:

[com.arcsight.coma.bridge.AuthorizationException](#) - If the user is not authorized to perform this operation
[com.arcsight.coma.bridge.AuthenticationException](#) - If the user is not authenticated

[com.arcsight.tools.coma.service.ServiceException](#) - For any errors happened during execution of this operation

logout

```
public Void logout(String authToken,  
    javax.ws.rs.core.HttpHeaders hh)  
    throws ServiceException,  
    AuthorizationException,  
    AuthenticationException
```

Drops the current session and its bound auth-token.

Parameters:

authToken - Authentication token created for the current session
hh - HTTP headers from http request

Throws:

[com.arcsight.coma.bridge.AuthorizationException](#) - If the user is not authorized to perform this operation
[com.arcsight.coma.bridge.AuthenticationException](#) - If the user is not authenticated
[com.arcsight.tools.coma.service.ServiceException](#) - For any errors happened during execution of this operation

logoutPost

```
public Void logoutPost(String authToken,  
    javax.ws.rs.core.HttpHeaders hh)  
    throws ServiceException,  
    AuthorizationException,  
    AuthenticationException
```

Drops the current session and its bound auth-token.

Parameters:

authToken - Authentication token created for the current session
hh - HTTP headers from http request

Throws:

[com.arcsight.coma.bridge.AuthorizationException](#) - If the user is not authorized to perform this operation
[com.arcsight.coma.bridge.AuthenticationException](#) - If the user is not authenticated

logout

```
public Void logout(LoginServiceLogout value)  
    throws ServiceException,  
    AuthorizationException,  
    AuthenticationException
```

Drops the current session and its bound auth-token.

Parameters:

value - Model object containing request body

Throws:

[com.arcsight.coma.bridge.AuthorizationException](#) - If the user is not authorized to perform this operation
[com.arcsight.coma.bridge.AuthenticationException](#) - If the user is not authenticated

[com.arcsight.tools.coma.service.ServiceException](#) - For any errors happened during execution of this operation

getCurrentUser

```
public LoginServiceGetCurrentUserResponse getCurrentUser(String authToken,  
    javax.ws.rs.core.HttpHeaders hh)  
    throws ServiceException,  
    AuthorizationException,  
    AuthenticationException
```

Returns the login user for the current session. If there is no User associated with the current session this method returns null.

Parameters:

authToken - Authentication token created for the current session
hh - HTTP headers from http request

Returns:

The login user for the current session or null

Throws:

[ServiceException](#)
[com.arcsight.coma.bridge.AuthorizationException](#) - If the user is not authorized to perform this operation
[com.arcsight.coma.bridge.AuthenticationException](#) - If the user is not authenticated
[com.arcsight.tools.coma.service.ServiceException](#) - For any errors happened during execution of this operation

getCurrentUserPost

```
public LoginServiceGetCurrentUserResponse getCurrentUserPost(String authToken,  
    javax.ws.rs.core.HttpHeaders hh)  
    throws ServiceException,  
    AuthorizationException,  
    AuthenticationException
```

Returns the login user for the current session. If there is no User associated with the current session this method returns null.

Parameters:

authToken - Authentication token created for the current session
hh - HTTP headers from http request

Returns:

The login user for the current session or null

Throws:

[ServiceException](#)
[com.arcsight.coma.bridge.AuthorizationException](#) - If the user is not authorized to perform this operation
[com.arcsight.coma.bridge.AuthenticationException](#) - If the user is not authenticated

getCurrentUser

```
public LoginServiceGetCurrentUserResponse getCurrentUser(LoginServiceGetCurrentUser
value)
    throws ServiceException,
           AuthorizationException,
           AuthenticationException
```

Returns the login user for the current session. If there is no User associated with the current session this method returns null.

Parameters:

value - Model object containing request body

Returns:

The login user for the current session or null

Throws:

[com.arcsight.coma.bridge.AuthorizationException](#) - If the user is not authorized to perform this operation
[com.arcsight.coma.bridge.AuthenticationException](#) - If the user is not authenticated
[com.arcsight.tools.coma.service.ServiceException](#) - For any errors happened during execution of this operation

getSession

```
public LoginServiceGetSessionResponse getSession(String authToken,
    javax.ws.rs.core.HttpHeaders hh)
    throws ServiceException,
           AuthorizationException,
           AuthenticationException
```

Returns the current session.

Parameters:

authToken - Authentication token created for the current session
hh - HTTP headers from http request

Returns:

The current session.

Throws:

[ServiceException](#)
[com.arcsight.coma.bridge.AuthorizationException](#) - If the user is not authorized to perform this operation
[com.arcsight.coma.bridge.AuthenticationException](#) - If the user is not authenticated
[com.arcsight.tools.coma.service.ServiceException](#) - For any errors happened during execution of this operation

getSessionPost

```
public LoginServiceGetSessionResponse getSessionPost(String authToken,
    javax.ws.rs.core.HttpHeaders hh)
    throws ServiceException,
           AuthorizationException,
           AuthenticationException
```

Returns the current session.

Parameters:

authToken - Authentication token created for the current session
hh - HTTP headers from http request

Returns:

The current session.

Throws:

[ServiceException](#)

[com.arcsight.coma.bridge.AuthorizationException](#) - If the user is not authorized to perform this operation

[com.arcsight.coma.bridge.AuthenticationException](#) - If the user is not authenticated

getSession

```
public LoginServiceGetSessionResponse getSession(LoginServiceGetSession value)
    throws ServiceException,
           AuthorizationException,
           AuthenticationException
```

Returns the current session.

Parameters:

value - Model object containing request body

Returns:

The current session.

Throws:

[com.arcsight.coma.bridge.AuthorizationException](#) - If the user is not authorized to perform this operation

[com.arcsight.coma.bridge.AuthenticationException](#) - If the user is not authenticated

[com.arcsight.tools.coma.service.ServiceException](#) - For any errors happened during execution of this operation

authenticate

```
public LoginServiceAuthenticateResponse authenticate(LoginServiceAuthenticate value)
    throws ServiceException,
           AuthorizationException,
           AuthenticationException
```

Authenticates the user with the given credentials. If this is a multi-step authentication, the authContext needs to be passed to indicate the session.

If the provided information is enough to authenticate the user, the server sends back an instance of [AuthResponse](#) containing the authentication token. Otherwise this method throws an [ServiceException](#). Check the error code of the exception to determine whether authentication failed or the server requested additional challenge if the error code equals to [RuntimeLoginException.LOGIN_CHALLENGE](#). The ID of the additional challenge and key for the prompt string could be retrieved from exception's message that is prepared as `String.format("prompt=%s&id=%s", challengePromptKey, Integer.toString(challengeId))`. The client application is responsible for requesting additional information from the user for the challenge ID and sending the response back via another method `sendAuthChallengeResponse`.

Parameters:

value - Model object containing request body

Returns:

The response from the server, used to indicate if it was successful or more steps are required. Also contains the authToken to be used in further operations

Throws:

[com.arcsight.coma.bridge.AuthorizationException](#) - If the user is not authorized to perform this operation
[com.arcsight.coma.bridge.AuthenticationException](#) - If the user is not authenticated
[com.arcsight.tools.coma.service.ServiceException](#) - For any errors happened during execution of this operation

authenticateOSPCredential

```
public LoginServiceAuthenticateOSPCredentialResponse  
authenticateOSPCredential(javax.ws.rs.core.HttpHeaders hh)  
    throws ServiceException,  
           AuthorizationException,  
           AuthenticationException
```

OSP has authenticated the user, this method verifies the user is valid in the system and processes accordingly Note: It is expected that the OSPCredential has been stashed in a ThreadLocal variable which is known to the OSPCredential class. If the provided information is enough to identify the user in the service and the user account is accessible, the server sends back an instance of AuthResponse containing the authentication token. Otherwise this method throws an ServiceException. Check the error code of the exception to determine what failed.

Parameters:

authToken - Authentication token created for the current session
hh - HTTP headers from http request

Returns:

The response from the server, used to indicate if it was successful or more steps are required. Also contains the authToken to be used in further operations

Throws:

[ServiceException](#) - if authentication failed
[com.arcsight.coma.bridge.AuthorizationException](#) - If the user is not authorized to perform this operation
[com.arcsight.coma.bridge.AuthenticationException](#) - If the user is not authenticated
[com.arcsight.tools.coma.service.ServiceException](#) - For any errors happened during execution of this operation

authenticateOSPCredentialPost

```
public LoginServiceAuthenticateOSPCredentialResponse  
authenticateOSPCredentialPost(javax.ws.rs.core.HttpHeaders hh)  
    throws ServiceException,  
           AuthorizationException,  
           AuthenticationException
```

OSP has authenticated the user, this method verifies the user is valid in the system and processes accordingly Note: It is expected that the OSPCredential has been stashed in a ThreadLocal variable which is known to the OSPCredential class. If the provided information is enough to identify the user in the service and the user account is accessible, the server sends back an instance of AuthResponse containing the authentication token. Otherwise this method throws an ServiceException. Check the error code of the exception to determine what failed.

Parameters:

authToken - Authentication token created for the current session
hh - HTTP headers from http request

Returns:

The response from the server, used to indicate if it was successful or more steps are required. Also contains the authToken to be used in further operations

Throws:

[ServiceException](#) - if authentication failed

[com.arcsight.coma.bridge.AuthorizationException](#) - If the user is not authorized to perform this operation
[com.arcsight.coma.bridge.AuthenticationException](#) - If the user is not authenticated

authenticateOSPCredential

```
public LoginServiceAuthenticateOSPCredentialResponse  
authenticateOSPCredential(LoginServiceAuthenticateOSPCredential value)  
    throws ServiceException,  
           AuthorizationException,  
           AuthenticationException
```

OSP has authenticated the user, this method verifies the user is valid in the system and processes accordingly Note: It is expected that the OSPCredential has been stashed in a ThreadLocal variable which is known to the OSPCredential class. If the provided information is enough to identify the user in the service and the user account is accessible, the server sends back an instance of AuthResponse containing the authentication token. Otherwise this method throws an ServiceException. Check the error code of the exception to determine what failed.

Parameters:

value - Model object containing request body

Returns:

The response from the server, used to indicate if it was successful or more steps are required. Also contains the authToken to be used in further operations

Throws:

[com.arcsight.coma.bridge.AuthorizationException](#) - If the user is not authorized to perform this operation
[com.arcsight.coma.bridge.AuthenticationException](#) - If the user is not authenticated
[com.arcsight.tools.coma.service.ServiceException](#) - For any errors happened during execution of this operation

sendAuthChallengeResponse

```
public LoginServiceSendAuthChallengeResponseResponse sendAuthChallengeResponse(int  
challengeId,  
    String resp,  
    javax.ws.rs.core.HttpHeaders hh)  
    throws ServiceException,  
           AuthorizationException,  
           AuthenticationException
```

Sends a response for the requested challenge back to JAAS CallbackHandler, which initiates that challenge. This method is to be called on behalf of a client (e.g. ArcSight Console) after the client receives the challenge challengeId and the user provides the response.

If the provided response is enough to authenticate the user, the server sends back an instance of AuthResponse containing the authentication token. Otherwise this method throws an ServiceException. Check the error code of the exception to determine whether the server requested another challenge if the error code equals to [RuntimeLoginException.LOGIN_CHALLENGE](#) or authentication failed. The ID of the additional challenge and key for the prompt string could be retrieved from exception's message that is prepared as `String.format("prompt=%s&id=%s", challengePromptKey, Integer.toString(challengeId))`.

Parameters:

challengeId - Identifier of a challenge send by JAAS authenticator
response - User response to the challenge
authToken - Authentication token created for the current session
hh - HTTP headers from http request

Returns:

Authentication response which includes the authentication token

Throws:

[ServiceException](#) - if authentication failed or the server challenges with another question
[com.arcsight.coma.bridge.AuthorizationException](#) - If the user is not authorized to perform this operation
[com.arcsight.coma.bridge.AuthenticationException](#) - If the user is not authenticated
[com.arcsight.tools.coma.service.ServiceException](#) - For any errors happened during execution of this operation

sendAuthChallengeResponsePost

```
public LoginServiceSendAuthChallengeResponseResponse sendAuthChallengeResponsePost(int challengeId, String resp, javax.ws.rs.core.HttpHeaders hh) throws ServiceException, AuthorizationException, AuthenticationException
```

Sends a response for the requested challenge back to JAAS CallbackHandler, which initiates that challenge. This method is to be called on behalf of a client (e.g. ArcSight Console) after the client receives the challenge `challengeId` and the user provides the response.

If the provided response is enough to authenticate the user, the server sends back an instance of `AuthResponse` containing the authentication token. Otherwise this method throws an `ServiceException`. Check the error code of the exception to determine whether the server requested another challenge if the error code equals to [RuntimeLoginException.LOGIN_CHALLENGE](#) or authentication failed. The ID of the additional challenge and key for the prompt string could be retrieved from exception's message that is prepared as `String.format("prompt=%s&id=%s", challengePromptKey, Integer.toString(challengeId))`.

Parameters:

`challengeId` - Identifier of a challenge send by JAAS authenticator
`response` - User response to the challenge
`authToken` - Authentication token created for the current session
`hh` - HTTP headers from http request

Returns:

Authentication response which includes the authentication token

Throws:

[ServiceException](#) - if authentication failed or the server challenges with another question
[com.arcsight.coma.bridge.AuthorizationException](#) - If the user is not authorized to perform this operation
[com.arcsight.coma.bridge.AuthenticationException](#) - If the user is not authenticated

sendAuthChallengeResponse

```
public LoginServiceSendAuthChallengeResponseResponse sendAuthChallengeResponse(LoginServiceSendAuthChallengeResponse value) throws ServiceException, AuthorizationException, AuthenticationException
```

Sends a response for the requested challenge back to JAAS CallbackHandler, which initiates that challenge. This method is to be called on behalf of a client (e.g. ArcSight Console) after the client receives the challenge `challengeId` and the user provides the response.

If the provided response is enough to authenticate the user, the server sends back an instance of `AuthResponse` containing the authentication token. Otherwise this method throws an `ServiceException`. Check the error code of the exception to determine whether the server requested another challenge if the error code equals to [RuntimeLoginException.LOGIN_CHALLENGE](#) or authentication failed. The ID of the additional challenge and key for the prompt string could be retrieved from exception's message that is prepared as `String.format("prompt=%s&id=%s", challengePromptKey, Integer.toString(challengeId))`.

Parameters:

value - Model object containing request body

Returns:

Authentication response which includes the authentication token

Throws:

[com.arcsight.coma.bridge.AuthorizationException](#) - If the user is not authorized to perform this operation
[com.arcsight.coma.bridge.AuthenticationException](#) - If the user is not authenticated
[com.arcsight.tools.coma.service.ServiceException](#) - For any errors happened during execution of this operation

getAuthenticationMethod

```
public LoginServiceGetAuthenticationMethodResponse  
getAuthenticationMethod(javax.ws.rs.core.HttpHeaders hh)  
    throws ServiceException,  
           AuthorizationException,  
           AuthenticationException
```

Gets the method that applications should use to authenticate users.

Parameters:

authToken - Authentication token created for the current session
hh - HTTP headers from http request

Returns:

The Auth

Throws:

[ServiceException](#)
[com.arcsight.coma.bridge.AuthorizationException](#) - If the user is not authorized to perform this operation
[com.arcsight.coma.bridge.AuthenticationException](#) - If the user is not authenticated
[com.arcsight.tools.coma.service.ServiceException](#) - For any errors happened during execution of this operation

getAuthenticationMethodPost

```
public LoginServiceGetAuthenticationMethodResponse  
getAuthenticationMethodPost(javax.ws.rs.core.HttpHeaders hh)  
    throws ServiceException,  
           AuthorizationException,  
           AuthenticationException
```

Gets the method that applications should use to authenticate users.

Parameters:

authToken - Authentication token created for the current session
hh - HTTP headers from http request

Returns:

The Auth

Throws:

[ServiceException](#)
[com.arcsight.coma.bridge.AuthorizationException](#) - If the user is not authorized to perform this operation
[com.arcsight.coma.bridge.AuthenticationException](#) - If the user is not authenticated

getAuthenticationMethod

```
public LoginServiceGetAuthenticationMethodResponse  
getAuthenticationMethod(LoginServiceGetAuthenticationMethod value)  
    throws ServiceException,  
           AuthorizationException,  
           AuthenticationException
```

Gets the method that applications should use to authenticate users.

Parameters:

value - Model object containing request body

Returns:

The Auth

Throws:

[com.arcsight.coma.bridge.AuthorizationException](#) - If the user is not authorized to perform this operation
[com.arcsight.coma.bridge.AuthenticationException](#) - If the user is not authenticated
[com.arcsight.tools.coma.service.ServiceException](#) - For any errors happened during execution of this operation

loginForOneTimeUse

```
public LoginServiceLoginForOneTimeUseResponse loginForOneTimeUse(String login,  
    String password,  
    javax.ws.rs.core.HttpHeaders hh)  
    throws ServiceException,  
           AuthorizationException,  
           AuthenticationException
```

Establishes a session which can only be used once subsequent to its creation, and gets the string value of auth-token which is valid throughout the life of the session.

If the provided information is enough to authenticate the user, the server sends back the authentication token. Otherwise this method throws an [ServiceException](#). Check the error code of the exception to determine whether authentication failed or the server requested additional challenge if the error code equals to [RuntimeLoginException.LOGIN_CHALLENGE](#). The ID of the additional challenge and key for the prompt string could be retrieved from exception's message that is prepared as `String.format("prompt=%s&id=%s", challengePromptKey, Integer.toString(challengeId))`. The client application is responsible for requesting additional information from the user for the challenge ID and sending the response back via another method `sendAuthChallengeResponse`.

Parameters:

login - The login user name.
password - The password of the login user.
authToken - Authentication token created for the current session
hh - HTTP headers from http request

Returns:

The string value of auth-token to use for further calls otherwise.

Throws:

[ServiceException](#) - if authentication failed or the server challenges with additional question
[com.arcsight.coma.bridge.AuthorizationException](#) - If the user is not authorized to perform this operation
[com.arcsight.coma.bridge.AuthenticationException](#) - If the user is not authenticated
[com.arcsight.tools.coma.service.ServiceException](#) - For any errors happened during execution of this operation

loginForOneTimeUsePost

```
public LoginServiceLoginForOneTimeUseResponse loginForOneTimeUsePost(String login,
    String password,
    javax.ws.rs.core.HttpHeaders hh)
throws ServiceException,
    AuthorizationException,
    AuthenticationException
```

Establishes a session which can only be used once subsequent to its creation, and gets the string value of auth-token which is valid throughout the life of the session.

If the provided information is enough to authenticate the user, the server sends back the authentication token. Otherwise this method throws an `ServiceException`. Check the error code of the exception to determine whether authentication failed or the server requested additional challenge if the error code equals to `RuntimeLoginException.LOGIN_CHALLENGE`. The ID of the additional challenge and key for the prompt string could be retrieved from exception's message that is prepared as `String.format("prompt=%s&id=%s", challengePromptKey, Integer.toString(challengeId))`. The client application is responsible for requesting additional information from the user for the challenge ID and sending the response back via another method `sendAuthChallengeResponse`.

Parameters:

login - The login user name.
password - The password of the login user.
authToken - Authentication token created for the current session
hh - HTTP headers from http request

Returns:

The string value of auth-token to use for further calls otherwise.

Throws:

`ServiceException` - if authentication failed or the server challenges with additional question
[com.arcsight.coma.bridge.AuthorizationException](#) - If the user is not authorized to perform this operation
[com.arcsight.coma.bridge.AuthenticationException](#) - If the user is not authenticated

loginForOneTimeUse

```
public LoginServiceLoginForOneTimeUseResponse
loginForOneTimeUse(LoginServiceLoginForOneTimeUse value)
throws ServiceException,
    AuthorizationException,
    AuthenticationException
```

Establishes a session which can only be used once subsequent to its creation, and gets the string value of auth-token which is valid throughout the life of the session.

If the provided information is enough to authenticate the user, the server sends back the authentication token. Otherwise this method throws an `ServiceException`. Check the error code of the exception to determine whether authentication failed or the server requested additional challenge if the error code equals to `RuntimeLoginException.LOGIN_CHALLENGE`. The ID of the additional challenge and key for the prompt string could be retrieved from exception's message that is prepared as `String.format("prompt=%s&id=%s", challengePromptKey, Integer.toString(challengeId))`. The client application is responsible for requesting additional information from the user for the challenge ID and sending the response back via another method `sendAuthChallengeResponse`.

Parameters:

value - Model object containing request body

Returns:

The string value of auth-token to use for further calls otherwise.

Throws:

[com.arcsight.coma.bridge.AuthorizationException](#) - If the user is not authorized to perform this operation
[com.arcsight.coma.bridge.AuthenticationException](#) - If the user is not authenticated
[com.arcsight.tools.coma.service.ServiceException](#) - For any errors happened during execution of this operation

getOSPSettings

```
public LoginServiceGetOSPSettingsResponse getOSPSettings(javax.ws.rs.core.HttpHeaders hh)  
    throws ServiceException,  
           AuthorizationException,  
           AuthenticationException
```

Gets the OSP settings from the jaas.config file.

Parameters:

authToken - Authentication token created for the current session
hh - HTTP headers from http request

Throws:

[ServiceException](#)
[com.arcsight.coma.bridge.AuthorizationException](#) - If the user is not authorized to perform this operation
[com.arcsight.coma.bridge.AuthenticationException](#) - If the user is not authenticated
[com.arcsight.tools.coma.service.ServiceException](#) - For any errors happened during execution of this operation

getOSPSettingsPost

```
public LoginServiceGetOSPSettingsResponse getOSPSettingsPost(javax.ws.rs.core.HttpHeaders hh)  
    throws ServiceException,  
           AuthorizationException,  
           AuthenticationException
```

Gets the OSP settings from the jaas.config file.

Parameters:

authToken - Authentication token created for the current session
hh - HTTP headers from http request

Throws:

[ServiceException](#)
[com.arcsight.coma.bridge.AuthorizationException](#) - If the user is not authorized to perform this operation
[com.arcsight.coma.bridge.AuthenticationException](#) - If the user is not authenticated

getOSPSettings

```
public LoginServiceGetOSPSettingsResponse getOSPSettings(LoginServiceGetOSPSettings  
value)  
    throws ServiceException,  
           AuthorizationException,  
           AuthenticationException
```

Gets the OSP settings from the jaas.config file.

Parameters:

value - Model object containing request body

Throws:

[com.arcsight.coma.bridge.AuthorizationException](#) - If the user is not authorized to perform this operation
[com.arcsight.coma.bridge.AuthenticationException](#) - If the user is not authenticated
[com.arcsight.tools.coma.service.ServiceException](#) - For any errors happened during execution of this operation

resetPassword

```
public Void resetPassword(String login,  
    javax.ws.rs.core.HttpHeaders hh)  
    throws ServiceException,  
        AuthorizationException,  
        AuthenticationException
```

Resets the password for the user specified by the login userName. The ArcSight Manager assigns a new random password (8 characters, including numbers and letters) and sends it to the selected user's assigned e-mail address. Please note that this feature needs to be configured as per ESM User's guide.

Parameters:

login - User name associated with the account.
authToken - Authentication token created for the current session
hh - HTTP headers from http request

Throws:

[ServiceException](#)
[com.arcsight.coma.bridge.AuthorizationException](#) - If the user is not authorized to perform this operation
[com.arcsight.coma.bridge.AuthenticationException](#) - If the user is not authenticated
[com.arcsight.tools.coma.service.ServiceException](#) - For any errors happened during execution of this operation

resetPasswordPost

```
public Void resetPasswordPost(String login,  
    javax.ws.rs.core.HttpHeaders hh)  
    throws ServiceException,  
        AuthorizationException,  
        AuthenticationException
```

Resets the password for the user specified by the login userName. The ArcSight Manager assigns a new random password (8 characters, including numbers and letters) and sends it to the selected user's assigned e-mail address. Please note that this feature needs to be configured as per ESM User's guide.

Parameters:

login - User name associated with the account.
authToken - Authentication token created for the current session
hh - HTTP headers from http request

Throws:

[ServiceException](#)
[com.arcsight.coma.bridge.AuthorizationException](#) - If the user is not authorized to perform this operation
[com.arcsight.coma.bridge.AuthenticationException](#) - If the user is not authenticated

resetPassword

```
public Void resetPassword(LoginServiceResetPassword value)
    throws ServiceException,
           AuthorizationException,
           AuthenticationException
```

Resets the password for the user specified by the login userName. The ArcSight Manager assigns a new random password (8 characters, including numbers and letters) and sends it to the selected user's assigned e-mail address. Please note that this feature needs to be configured as per ESM User's guide.

Parameters:

value - Model object containing request body

Throws:

[com.arcsight.coma.bridge.AuthorizationException](#) - If the user is not authorized to perform this operation

[com.arcsight.coma.bridge.AuthenticationException](#) - If the user is not authenticated

[com.arcsight.tools.coma.service.ServiceException](#) - For any errors happened during execution of this operation

changeLoginPassword

```
public LoginServiceChangeLoginPasswordResponse changeLoginPassword(String authToken,
    String login,
    String oldPassword,
    String newPassword,
    boolean resetFailedLogins,
    javax.ws.rs.core.HttpHeaders hh)
    throws ServiceException,
           AuthorizationException,
           AuthenticationException
```

Changes login's password.

Parameters:

login - - user login

oldPassword - The user's current (old) password.

newPassword - The user's new password.

resetFailedLogins - Reset all failed logins for this user/

authToken - Authentication token created for the current session

hh - HTTP headers from http request

Returns:

A `java.lang.Boolean` `true` if the change was successful. Otherwise, `false`. Fine-grained errors currently are not supported by ESM, hence only a generic success or failure.

Throws:

[com.arcsight.tools.coma.service.ServiceException](#) - In the event of funny business.

[com.arcsight.coma.bridge.AuthorizationException](#) - If the user is not authorized to perform this operation

[com.arcsight.coma.bridge.AuthenticationException](#) - If the user is not authenticated

[com.arcsight.tools.coma.service.ServiceException](#) - For any errors happened during execution of this operation

changeLoginPasswordPost

```
public LoginServiceChangeLoginPasswordResponse changeLoginPasswordPost(String authToken,
    String login,
    String oldPassword,
    String newPassword,
    boolean resetFailedLogins,
    javax.ws.rs.core.HttpHeaders hh)
throws ServiceException,
    AuthorizationException,
    AuthenticationException
```

Changes login's password.

Parameters:

login - - user login
oldPassword - The user's current (old) password.
newPassword - The user's new password.
resetFailedLogins - Reset all failed logins for this user/
authToken - Authentication token created for the current session
hh - HTTP headers from http request

Returns:

A `java.lang.Boolean` true if the change was successful. Otherwise, false. Fine-grained errors currently are not supported by ESM, hence only a generic success or failure.

Throws:

[com.arcsight.tools.coma.service.ServiceException](#) - In the event of funny business.
[com.arcsight.coma.bridge.AuthorizationException](#) - If the user is not authorized to perform this operation
[com.arcsight.coma.bridge.AuthenticationException](#) - If the user is not authenticated

changeLoginPassword

```
public LoginServiceChangeLoginPasswordResponse
changeLoginPassword(LoginServiceChangeLoginPassword value)
throws ServiceException,
    AuthorizationException,
    AuthenticationException
```

Changes login's password.

Parameters:

value - Model object containing request body

Returns:

A `java.lang.Boolean` true if the change was successful. Otherwise, false. Fine-grained errors currently are not supported by ESM, hence only a generic success or failure.

Throws:

[com.arcsight.coma.bridge.AuthorizationException](#) - If the user is not authorized to perform this operation
[com.arcsight.coma.bridge.AuthenticationException](#) - If the user is not authenticated
[com.arcsight.tools.coma.service.ServiceException](#) - For any errors happened during execution of this operation

getServiceMajorVersion

```
public LoginServiceGetServiceMajorVersionResponse getServiceMajorVersion(String
authToken,
    javax.ws.rs.core.HttpHeaders hh)
throws ServiceException,
    AuthorizationException,
    AuthenticationException
```

The major version of this service.

Parameters:

authToken - Authentication token created for the current session
hh - HTTP headers from http request

Throws:

[com.arcsight.coma.bridge.AuthorizationException](#) - If the user is not authorized to perform this operation
[com.arcsight.coma.bridge.AuthenticationException](#) - If the user is not authenticated
[com.arcsight.tools.coma.service.ServiceException](#) - For any errors happened during execution of this operation

getServiceMajorVersionPost

```
public LoginServiceGetServiceMajorVersionResponse getServiceMajorVersionPost(String
authToken,
    javax.ws.rs.core.HttpHeaders hh)
throws ServiceException,
    AuthorizationException,
    AuthenticationException
```

The major version of this service.

Parameters:

authToken - Authentication token created for the current session
hh - HTTP headers from http request

Throws:

[com.arcsight.coma.bridge.AuthorizationException](#) - If the user is not authorized to perform this operation
[com.arcsight.coma.bridge.AuthenticationException](#) - If the user is not authenticated

getServiceMajorVersion

```
public LoginServiceGetServiceMajorVersionResponse
getServiceMajorVersion(LoginServiceGetServiceMajorVersion value)
throws ServiceException,
    AuthorizationException,
    AuthenticationException
```

The major version of this service.

Parameters:

value - Model object containing request body

Throws:

[com.arcsight.coma.bridge.AuthorizationException](#) - If the user is not authorized to perform this operation
[com.arcsight.coma.bridge.AuthenticationException](#) - If the user is not authenticated
[com.arcsight.tools.coma.service.ServiceException](#) - For any errors happened during execution of this operation

getServiceMinorVersion

```
public LoginServiceGetServiceMinorVersionResponse getServiceMinorVersion(String
authToken,
    javax.ws.rs.core.HttpHeaders hh)
throws ServiceException,
    AuthorizationException,
    AuthenticationException
```

The minor version of this service.

Parameters:

authToken - Authentication token created for the current session
hh - HTTP headers from http request

Throws:

[com.arcsight.coma.bridge.AuthorizationException](#) - If the user is not authorized to perform this operation
[com.arcsight.coma.bridge.AuthenticationException](#) - If the user is not authenticated
[com.arcsight.tools.coma.service.ServiceException](#) - For any errors happened during execution of this operation

getServiceMinorVersionPost

```
public LoginServiceGetServiceMinorVersionResponse getServiceMinorVersionPost(String
authToken,
    javax.ws.rs.core.HttpHeaders hh)
throws ServiceException,
    AuthorizationException,
    AuthenticationException
```

The minor version of this service.

Parameters:

authToken - Authentication token created for the current session
hh - HTTP headers from http request

Throws:

[com.arcsight.coma.bridge.AuthorizationException](#) - If the user is not authorized to perform this operation
[com.arcsight.coma.bridge.AuthenticationException](#) - If the user is not authenticated

getServiceMinorVersion

```
public LoginServiceGetServiceMinorVersionResponse
getServiceMinorVersion(LoginServiceGetServiceMinorVersion value)
throws ServiceException,
    AuthorizationException,
    AuthenticationException
```

The minor version of this service.

Parameters:

value - Model object containing request body

Throws:

[com.arcsight.coma.bridge.AuthorizationException](#) - If the user is not authorized to perform this operation
[com.arcsight.coma.bridge.AuthenticationException](#) - If the user is not authenticated

[com.arcsight.tools.coma.service.ServiceException](#) - For any errors happened during execution of this operation

Package

com.arcsight.product.core.service.v1.rest.config

com.arcsight.product.core.service.v1.rest.config Class ApplicationConfig

```
java.lang.Object
├-- javax.ws.rs.core.Application
│   └-- org.glassfish.jersey.server.ResourceConfig
│       └-- com.arcsight.product.core.service.v1.rest.config.ApplicationConfig
```

All Implemented Interfaces:

org.glassfish.jersey.server.ServerConfig, javax.ws.rs.core.Configurable

```
public class ApplicationConfig
extends org.glassfish.jersey.server.ResourceConfig
```

Nested Class Summary

class	ApplicationConfig.AuthenticationExceptionMapper ApplicationConfig.AuthenticationExceptionMapper
class	ApplicationConfig.AuthorizationExceptionMapper ApplicationConfig.AuthorizationExceptionMapper
class	ApplicationConfig.JettisonJsonJaxbMessagingFeature ApplicationConfig.JettisonJsonJaxbMessagingFeature
class	ApplicationConfig.ServiceExceptionMapper ApplicationConfig.ServiceExceptionMapper

Constructor Summary

public	ApplicationConfig()
--------	-------------------------------------

Methods inherited from class org.glassfish.jersey.server.ResourceConfig

addProperties, files, files, forApplication, forApplicationClass, forApplicationClass, getApplication, getApplicationName, getClasses, getClassLoader, getConfiguration, getContracts, getInstances, getProperties, getProperty, getPropertyNames, getResources, getRuntimeType, getSingletons, isEnabled, isEnabled, isProperty, isRegistered, isRegistered, packages, packages, packages, property, register, register, register, register, register, register, register, register, register, registerClasses, registerClasses, registerClasses, registerClasses, registerFinder, registerInstances, registerInstances, registerResources, registerResources, setApplicationName, setClassLoader, setProperties

Methods inherited from class javax.ws.rs.core.Application

getClasses, getProperties, getSingletons

Methods inherited from class `java.lang.Object`

`equals`, `getClass`, `hashCode`, `notify`, `notifyAll`, `toString`, `wait`, `wait`, `wait`

Methods inherited from interface `javax.ws.rs.core.Configurable`

`getConfiguration`, `property`, `register`, `register`, `register`, `register`, `register`, `register`, `register`, `register`

Methods inherited from interface `org.glassfish.jersey.server.ServerConfig`

`getResources`

Methods inherited from interface `org.glassfish.jersey.ExtendedConfig`

`isProperty`

Methods inherited from interface `javax.ws.rs.core.Configuration`

`getClasses`, `getContracts`, `getInstances`, `getProperties`, `getProperty`, `getPropertyNames`, `getRuntimeType`, `isEnabled`, `isEnabled`, `isRegistered`, `isRegistered`

Constructors

ApplicationConfig

```
public ApplicationConfig()
```

com.arcsight.product.core.service.v1.rest.config Class ApplicationConfig.JettisonJsonJaxbMessagingFeature

java.lang.Object

├-org.glassfish.jersey.jettison.JettisonFeature

└-

com.arcsight.product.core.service.v1.rest.config.ApplicationConfig.JettisonJsonJaxbMessagingFeature

All Implemented Interfaces:

javax.ws.rs.core.Feature

public static class **ApplicationConfig.JettisonJsonJaxbMessagingFeature**
extends org.glassfish.jersey.jettison.JettisonFeature

Constructor Summary

public	JettisonJsonJaxbMessagingFeature()
--------	--

Method Summary

boolean	configure (javax.ws.rs.core.FeatureContext context)
---------	---

Methods inherited from class org.glassfish.jersey.jettison.JettisonFeature

configure

Methods inherited from class java.lang.Object

equals, getClass, hashCode, notify, notifyAll, toString, wait, wait, wait

Methods inherited from interface javax.ws.rs.core.Feature

configure

Constructors

JettisonJsonJaxbMessagingFeature

public **JettisonJsonJaxbMessagingFeature**()

Methods

configure

```
public boolean configure(javax.ws.rs.core.FeatureContext context)
```

com.arcsight.product.core.service.v1.rest.config Class ApplicationConfig.AuthenticationExceptionMapper

java.lang.Object



com.arcsight.product.core.service.v1.rest.config.ApplicationConfig.AuthenticationExceptionMapper

All Implemented Interfaces:

javax.ws.rs.ext.ExceptionMapper

public static class **ApplicationConfig.AuthenticationExceptionMapper**
extends Object
implements javax.ws.rs.ext.ExceptionMapper

Constructor Summary

public	AuthenticationExceptionMapper()
--------	---

Method Summary

javax.ws.rs.core.Response	toResponse(AuthenticationException e)
---------------------------	---

Methods inherited from class java.lang.Object

equals, getClass, hashCode, notify, notifyAll, toString, wait, wait, wait

Methods inherited from interface javax.ws.rs.ext.ExceptionMapper

toResponse

Constructors

AuthenticationExceptionMapper

public AuthenticationExceptionMapper()

Methods

toResponse

public javax.ws.rs.core.Response **toResponse**([AuthenticationException](#) e)

com.arcsight.product.core.service.v1.rest.config Class ApplicationConfig.AuthorizationExceptionMapper

java.lang.Object



com.arcsight.product.core.service.v1.rest.config.ApplicationConfig.AuthorizationExceptionMapper

All Implemented Interfaces:

javax.ws.rs.ext.ExceptionMapper

public static class **ApplicationConfig.AuthorizationExceptionMapper**
extends Object
implements javax.ws.rs.ext.ExceptionMapper

Constructor Summary

public	AuthorizationExceptionMapper()
--------	--

Method Summary

javax.ws.rs.core.Response	toResponse(AuthorizationException e)
---------------------------	--

Methods inherited from class java.lang.Object

equals, getClass, hashCode, notify, notifyAll, toString, wait, wait, wait

Methods inherited from interface javax.ws.rs.ext.ExceptionMapper

toResponse

Constructors

AuthorizationExceptionMapper

public **AuthorizationExceptionMapper()**

Methods

toResponse

public javax.ws.rs.core.Response **toResponse**([AuthorizationException e](#))

com.arcsight.product.core.service.v1.rest.config Class ApplicationConfig.ServiceExceptionMapper

java.lang.Object



com.arcsight.product.core.service.v1.rest.config.ApplicationConfig.ServiceExceptionMapper

All Implemented Interfaces:

javax.ws.rs.ext.ExceptionMapper

public static class **ApplicationConfig.ServiceExceptionMapper**

extends Object

implements javax.ws.rs.ext.ExceptionMapper

Constructor Summary

public	ServiceExceptionMapper()
--------	--

Method Summary

javax.ws.rs.core.Response	toResponse(ServiceException e)
---------------------------	--

Methods inherited from class java.lang.Object

equals, getClass, hashCode, notify, notifyAll, toString, wait, wait, wait

Methods inherited from interface javax.ws.rs.ext.ExceptionMapper

toResponse

Constructors

ServiceExceptionMapper

public **ServiceExceptionMapper**()

Methods

toResponse

public javax.ws.rs.core.Response **toResponse**([ServiceException](#) e)

Package

com.arcsight.tools.coma.service

com.arcsight.tools.coma.service Class RuntimeCodedException

```
java.lang.Object
├-- java.lang.Throwable
│   ├── java.lang.Exception
│   │   ├── java.lang.RuntimeException
│   │   └-- com.arcsight.tools.coma.service.RuntimeCodedException
```

All Implemented Interfaces:
Serializable

Direct Known Subclasses:
[RuntimeLoginException](#)

```
public class RuntimeCodedException
extends RuntimeException
```

Base class for various internal runtime exceptions that may happen while communicating from service layer with internal ESM classes.

Constructor Summary

public	RuntimeCodedException() Constructs a new runtime exception with <code>null</code> as its detail message.
public	RuntimeCodedException(String message) Constructs a new runtime exception with the specified detail message.
public	RuntimeCodedException(Throwable cause) Constructs a new runtime exception with the specified cause and a detail message of (cause==null ? null : cause.toString()) (which typically contains the class and detail message of cause).
public	RuntimeCodedException(String message, Throwable cause) Constructs a new runtime exception with the specified detail message and cause.
public	RuntimeCodedException(int errorCode) Constructs a new exception with the specified error code

Method Summary

int	getErrorCode() Returns the error code associated with this exception.
void	setErrorCode(int errorCode) Associates the error code with the exception.

Methods inherited from class `java.lang.Throwable`

```
addSuppressed, fillInStackTrace, getCause, getLocalizedMessage, getMessage,
getStackTrace, getSuppressed, initCause, printStackTrace, printStackTrace,
printStackTrace, setStackTrace, toString
```

Methods inherited from class `java.lang.Object`

```
equals, getClass, hashCode, notify, notifyAll, toString, wait, wait, wait
```

Constructors

RuntimeCodedException

```
public RuntimeCodedException()
```

Constructs a new runtime exception with `null` as its detail message.

RuntimeCodedException

```
public RuntimeCodedException(String message)
```

Constructs a new runtime exception with the specified detail message.

Parameters:

`message` - the detail message.

RuntimeCodedException

```
public RuntimeCodedException(Throwable cause)
```

Constructs a new runtime exception with the specified cause and a detail message of `(cause==null ? null : cause.toString())` (which typically contains the class and detail message of cause). This constructor is useful for runtime exceptions that are little more than wrappers for other throwables.

Parameters:

`cause` - the cause (which is saved for later retrieval by the `Throwable.getCause()` method). (A null value is permitted, and indicates that the cause is nonexistent or unknown.)

RuntimeCodedException

```
public RuntimeCodedException(String message,
                             Throwable cause)
```

Constructs a new runtime exception with the specified detail message and cause.

Note that the detail message associated with `cause` is *not* automatically incorporated in this runtime exception's detail message.

Parameters:

`message` - the detail message (which is saved for later retrieval by the `Throwable.getMessage()` method).
`cause` - the cause (which is saved for later retrieval by the `Throwable.getCause()` method). (A null value is permitted, and indicates that the cause is nonexistent or unknown.)

RuntimeCodedException

```
public RuntimeCodedException(int errorCode)
```

Constructs a new exception with the specified error code

Parameters:

`errorCode` - error code identifying the exceptional case

Methods

getErrorCode

```
public int getErrorCode()
```

Returns the error code associated with this exception. The error code is set when the exception thrown and it indicates the failure or irregular situation.

Returns:

the `errorCode`

setErrorCode

```
public void setErrorCode(int errorCode)
```

Associates the error code with the exception.

Parameters:

`errorCode` - The `errorCode` to set

com.arcsight.tools.coma.service Class RuntimeLoginException

```
java.lang.Object
├-- java.lang.Throwable
│   └-- java.lang.Exception
│       └-- java.lang.RuntimeException
│           └-- com.arcsight.tools.coma.service.RuntimeCodedException
│               └-- com.arcsight.tools.coma.service.RuntimeLoginException
```

All Implemented Interfaces:
Serializable

```
public class RuntimeLoginException
extends RuntimeCodedException
```

Exception thrown for authentication issues. It doesn't necessarily means failure. The exception could indicate a request for additional information (challenge).

This is internal exception not returned by API calls. To report related exceptional cases to the clients API converts this exception to [ServiceLoginException](#)

Field Summary

public static final	LOGIN_CHALLENGE Indicates additional challenge requested by the server. Value: -4
public static final	LOGIN_ERROR_FAILURE Indicates login failure. Value: 0
public static final	LOGIN_ERROR_LICENSE_EXPIRED Indicates an expired license. Value: -1
public static final	LOGIN_ERROR_PASSWORD_EXPIRED Indicates expired password. Value: -3
public static final	LOGIN_ERROR_USER_DISABLED Indicates the fact that user account was disabled. Value: -2
public static final	LOGIN_ERROR_USER_NOT_ALLOWED Indicates that the user doesn't have permission to access the component. Value: -5

Constructor Summary

public	RuntimeLoginException () Constructs a new runtime exception with <code>null</code> as its detail message.
public	RuntimeLoginException (String message) Constructs a new runtime exception with the specified detail message.
public	RuntimeLoginException (Throwable cause) Constructs a new runtime exception with the specified cause and a detail message of (cause==null ? null : cause.toString()) (which typically contains the class and detail message of cause).
public	RuntimeLoginException (String message, Throwable cause) Constructs a new runtime exception with the specified detail message and cause.
public	RuntimeLoginException (int errorCode)

Methods inherited from class [com.arcsight.tools.coma.service.RuntimeCodedException](#)

[getErrorCode](#), [setErrorCode](#)

Methods inherited from class `java.lang.Throwable`

`addSuppressed`, `fillInStackTrace`, `getCause`, `getLocalizedMessage`, `getMessage`, `getStackTrace`, `getSuppressed`, `initCause`, `printStackTrace`, `printStackTrace`, `printStackTrace`, `setStackTrace`, `toString`

Methods inherited from class `java.lang.Object`

`equals`, `getClass`, `hashCode`, `notify`, `notifyAll`, `toString`, `wait`, `wait`, `wait`

Fields

LOGIN_ERROR_FAILURE

```
public static final int LOGIN_ERROR_FAILURE
```

Indicates login failure.
Constant value: 0

LOGIN_ERROR_LICENSE_EXPIRED

```
public static final int LOGIN_ERROR_LICENSE_EXPIRED
```

Indicates an expired license.
Constant value: -1

LOGIN_ERROR_USER_DISABLED

```
public static final int LOGIN_ERROR_USER_DISABLED
```

Indicates the fact that user account was disabled.
Constant value: -2

LOGIN_ERROR_PASSWORD_EXPIRED

```
public static final int LOGIN_ERROR_PASSWORD_EXPIRED
```

Indicates expired password.
Constant value: -3

LOGIN_CHALLENGE

```
public static final int LOGIN_CHALLENGE
```

Indicates additional challenge requested by the server. Login cannot be completed until the user to meet the challenge.
Constant value: -4

LOGIN_ERROR_USER_NOT_ALLOWED

```
public static final int LOGIN_ERROR_USER_NOT_ALLOWED
```

Indicates that the user doesn't have permission to access the component.
Constant value: -5

Constructors

RuntimeLoginException

```
public RuntimeLoginException()
```

Constructs a new runtime exception with `null` as its detail message.

RuntimeLoginException

```
public RuntimeLoginException(String message)
```

Constructs a new runtime exception with the specified detail message.

Parameters:

`message` - the detail message.

RuntimeLoginException

```
public RuntimeLoginException(Throwable cause)
```

Constructs a new runtime exception with the specified cause and a detail message of `(cause==null ? null : cause.toString())` (which typically contains the class and detail message of cause). This constructor is useful for runtime exceptions that are little more than wrappers for other throwables.

Parameters:

`cause` - the cause (which is saved for later retrieval by the `Throwable.getCause()` method). (A null value is permitted, and indicates that the cause is nonexistent or unknown.)

RuntimeLoginException

```
public RuntimeLoginException(String message,  
                             Throwable cause)
```

Constructs a new runtime exception with the specified detail message and cause.

Note that the detail message associated with `cause` is *not* automatically incorporated in this runtime exception's detail message.

Parameters:

`message` - the detail message (which is saved for later retrieval by the `Throwable.getMessage()` method).

`cause` - the cause (which is saved for later retrieval by the `Throwable.getCause()` method). (A null value is permitted, and indicates that the cause is nonexistent or unknown.)

RuntimeLoginException

```
public RuntimeLoginException(int errorCode)
```

com.arcsight.tools.coma.service Interface Service

All Known Implementing Classes:
[ServiceBase](#)

public interface **Service**
extends

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Base interface for services.

Method Summary

abstract int	getServiceMajorVersion() The major version of this service.
abstract int	getServiceMinorVersion() The minor version of this service.

Methods

getServiceMajorVersion

public abstract int **getServiceMajorVersion()**

The major version of this service.

Returns:

The major version of this service.

getServiceMinorVersion

public abstract int **getServiceMinorVersion()**

The minor version of this service.

Returns:

The minor version of this service.

com.arcsight.tools.coma.service Class ServiceBase

java.lang.Object
└-com.arcsight.tools.coma.service.ServiceBase

All Implemented Interfaces:

[Service](#)

public abstract class **ServiceBase**
extends Object
implements [Service](#)

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Base service implementation.

Constructor Summary

public	ServiceBase()
--------	-------------------------------

Method Summary

int	getServiceMajorVersion()
-----	--

int	getServiceMinorVersion()
-----	--

Methods inherited from class java.lang.Object

`equals`, `getClass`, `hashCode`, `notify`, `notifyAll`, `toString`, `wait`, `wait`, `wait`

Methods inherited from interface [com.arcsight.tools.coma.service.Service](#)

[getServiceMajorVersion](#), [getServiceMinorVersion](#)

Constructors

ServiceBase

public **ServiceBase**()

Methods

getServiceMajorVersion

```
public int getServiceMajorVersion()
```

getServiceMinorVersion

```
public int getServiceMinorVersion()
```

com.arcsight.tools.coma.service Class ServiceException

```
java.lang.Object
├-- java.lang.Throwable
│   └-- java.lang.Exception
│       └-- com.arcsight.tools.coma.service.ServiceException
```

All Implemented Interfaces:
Serializable, Serializable

Direct Known Subclasses:
[ValidationException](#), [ServiceLoginException](#)

```
public class ServiceException
extends Exception
implements Serializable, Serializable
```

This is exception for kahuna/coma service. There are several reasons to have special exception impl: 1. Make it serializable so all service binding can marshal it 2. Due to the known GWT marshaling issue, parent message can not be marshaled we have to duplicated parent instance variables in this class.

Field Summary

public static final	ERROR_UNKNOWN Value: -54188
---------------------	--

Constructor Summary

public	ServiceException () Constructs a new exception with null as its detail message.
public	ServiceException (String message) Constructs a new exception with the specified detail message.
public	ServiceException (Throwable cause) Constructs a new exception with the specified cause and a detail message of (cause==null ? null : cause.toString()) (which typically contains the class and detail message of cause).
public	ServiceException (String message, Throwable cause) Constructs a new exception with the specified detail message and cause.

Method Summary

static String	buildExceptionStackTraceString (Throwable e) It builds a string for stack trace of an exception.
---------------	---

static ServiceException	createServiceException (Throwable e) It creates an exception which is serializable.
int	getErrorCode () Returns the error code associated with this exception.
void	setErrorCode (int errorCode) Associates the error code with the exception.

Methods inherited from class java.lang.Throwable

addSuppressed, fillInStackTrace, getCause, getLocalizedMessage, getMessage, getStackTrace, getSuppressed, initCause, printStackTrace, printStackTrace, printStackTrace, setStackTrace, toString

Methods inherited from class java.lang.Object

equals, getClass, hashCode, notify, notifyAll, toString, wait, wait, wait

Fields

ERROR_UNKNOWN

```
public static final int ERROR_UNKNOWN
```

Constant value: -54188

Constructors

ServiceException

```
public ServiceException()
```

Constructs a new exception with null as its detail message. The cause is not initialized, and may subsequently be initialized by a call to `Throwable.initCause(java.lang.Throwable)`.

ServiceException

```
public ServiceException(String message)
```

Constructs a new exception with the specified detail message. The cause is not initialized, and may subsequently be initialized by a call to `Throwable.initCause(java.lang.Throwable)`.

Parameters:

`message` - the detail message. The detail message is saved for later retrieval by the `Throwable.getMessage()` method.

ServiceException

```
public ServiceException(Throwable cause)
```

Constructs a new exception with the specified cause and a detail message of (cause==null ? null : cause.toString()) (which typically contains the class and detail message of cause). This constructor is useful for exceptions that are little more than wrappers for other throwables (for example, `java.security.PrivilegedActionException`).

Parameters:

`cause` - the cause (which is saved for later retrieval by the `Throwable.getCause()` method). (A null value is permitted, and indicates that the cause is nonexistent or unknown.)

ServiceException

```
public ServiceException(String message,  
                       Throwable cause)
```

Constructs a new exception with the specified detail message and cause.

Note that the detail message associated with `cause` is *not* automatically incorporated in this exception's detail message.

Parameters:

`message` - the detail message (which is saved for later retrieval by the `Throwable.getMessage()` method).

`cause` - the cause (which is saved for later retrieval by the `Throwable.getCause()` method). (A null value is permitted, and indicates that the cause is nonexistent or unknown.)

Methods

buildExceptionStackTraceString

```
public static String buildExceptionStackTraceString(Throwable e)
```

It builds a string for stack trace of an exception. It is used for debugging log.

Parameters:

`e`

Returns:

createServiceException

```
public static ServiceException createServiceException(Throwable e)
```

It creates an exception which is serializable. Some of the throwables, such as `NullPointerException`, are not serializable. They will cause serialization error when they are wrapped in service exception. This approach wraps all stack traces as string in service exception.

Parameters:

`e`

Returns:

getErrorCode

```
public int getErrorCode()
```

Returns the error code associated with this exception. The error code is set when the exception thrown and it indicates the failure or irregular situation.

Returns:
the errorCode

setErrorCode

```
public void setErrorCode(int errorCode)
```

Associates the error code with the exception.

Parameters:

errorCode - The errorCode to set

com.arcsight.tools.coma.service Class ServiceLoginException

```
java.lang.Object
├-- java.lang.Throwable
│   └-- java.lang.Exception
│       └-- com.arcsight.tools.coma.service.ServiceException
│           └-- com.arcsight.tools.coma.service.ServiceLoginException
```

All Implemented Interfaces:
Serializable, Serializable

```
public class ServiceLoginException
extends ServiceException
```

Exception thrown for authentication issues. It doesn't necessarily means failure. The exception could indicate a request for additional information (challenge).

Field Summary

public static final	LOGIN_ERROR_FAILURE Indicates login failure. Value: 0
public static final	LOGIN_ERROR_LICENSE_EXPIRED Indicates an expired license. Value: -1
public static final	LOGIN_ERROR_USER_DISABLED Indicates the fact that user account was disabled. Value: -2
public static final	LOGIN_ERROR_USER_NOT_ALLOWED Indicates that the user doesn't have permission to access the component. Value: -5

Fields inherited from class [com.arcsight.tools.coma.service.ServiceException](#)

[ERROR_UNKNOWN](#)

Constructor Summary

public	ServiceLoginException () Constructs a new exception with null as its detail message.
public	ServiceLoginException (String message) Constructs a new exception with the specified detail message.

public	ServiceLoginException (Throwable cause) Constructs a new exception with the specified cause and a detail message of (cause==null ? null : cause.toString()) (which typically contains the class and detail message of cause).
public	ServiceLoginException (String message, Throwable cause) Constructs a new exception with the specified detail message and cause.
public	ServiceLoginException (int errorCode) Constructs a new exception with the specified error code

Methods inherited from class [com.arcsight.tools.coma.service.ServiceException](#)

[buildExceptionStackTraceString](#), [createServiceException](#), [getErrorCode](#), [setErrorCode](#)

Methods inherited from class java.lang.Throwable

addSuppressed, fillInStackTrace, getCause, getLocalizedMessage, getMessage, getStackTrace, getSuppressed, initCause, printStackTrace, printStackTrace, printStackTrace, setStackTrace, toString

Methods inherited from class java.lang.Object

equals, getClass, hashCode, notify, notifyAll, toString, wait, wait, wait

Fields

LOGIN_ERROR_FAILURE

```
public static final int LOGIN_ERROR_FAILURE
```

Indicates login failure.
Constant value: 0

LOGIN_ERROR_LICENSE_EXPIRED

```
public static final int LOGIN_ERROR_LICENSE_EXPIRED
```

Indicates an expired license.
Constant value: -1

LOGIN_ERROR_USER_DISABLED

```
public static final int LOGIN_ERROR_USER_DISABLED
```

Indicates the fact that user account was disabled.
Constant value: -2

LOGIN_ERROR_USER_NOT_ALLOWED

```
public static final int LOGIN_ERROR_USER_NOT_ALLOWED
```

Indicates that the user doesn't have permission to access the component.

Constant value: -5

Constructors

ServiceLoginException

```
public ServiceLoginException()
```

Constructs a new exception with `null` as its detail message. The cause is not initialized, and may subsequently be initialized by a call to `Throwable.initCause(java.lang.Throwable)`.

ServiceLoginException

```
public ServiceLoginException(String message)
```

Constructs a new exception with the specified detail message. The cause is not initialized, and may subsequently be initialized by a call to `Throwable.initCause(java.lang.Throwable)`.

Parameters:

`message` - the detail message. The detail message is saved for later retrieval by the `Throwable.getMessage()` method.

ServiceLoginException

```
public ServiceLoginException(Throwable cause)
```

Constructs a new exception with the specified cause and a detail message of `(cause==null ? null : cause.toString())` (which typically contains the class and detail message of cause). This constructor is useful for exceptions that are little more than wrappers for other throwables (for example, `java.security.PrivilegedActionException`).

Parameters:

`cause` - the cause (which is saved for later retrieval by the `Throwable.getCause()` method). (A null value is permitted, and indicates that the cause is nonexistent or unknown.)

ServiceLoginException

```
public ServiceLoginException(String message,
                             Throwable cause)
```

Constructs a new exception with the specified detail message and cause.

Note that the detail message associated with `cause` is *not* automatically incorporated in this exception's detail message.

Parameters:

`message` - the detail message (which is saved for later retrieval by the `Throwable.getMessage()` method).
`cause` - the cause (which is saved for later retrieval by the `Throwable.getCause()` method). (A null value is permitted, and indicates that the cause is nonexistent or unknown.)

ServiceLoginException

```
public ServiceLoginException(int errorCode)
```

Constructs a new exception with the specified error code

Parameters:

`errorCode` - error code identifying the exceptional case

com.arcsight.tools.coma.service Class ValidationException

```
java.lang.Object
├-- java.lang.Throwable
│   └-- java.lang.Exception
│       └-- com.arcsight.tools.coma.service.ServiceException
│           └-- com.arcsight.tools.coma.service.ValidationException
```

All Implemented Interfaces:
Serializable, Serializable

```
public class ValidationException
extends ServiceException
```

Base class for various validation exceptions to indicate failures to validate different types of data (e.g. password).

Fields inherited from class [com.arcsight.tools.coma.service.ServiceException](#)

[ERROR_UNKNOWN](#)

Constructor Summary

public	ValidationException() Constructs a new exception with <code>null</code> as its detail message.
public	ValidationException(String message) Constructs a new exception with the specified detail message.
public	ValidationException(String message, Map validationErrors) Constructs a new exception with the specified detail message and a map containing error descriptions.

Method Summary

String	getLocalizedMessage()
String	getMessage()
Map	getValidationErrors() Returns <code>validationErrors</code> , which is a map of errors found for different items.
void	setValidationErrors(Map validationErrors) Sets the <code>validationErrors</code> .
String	toString()

Methods inherited from class [com.arcsight.tools.coma.service.ServiceException](#)

[buildExceptionStackTraceString](#), [createServiceException](#), [getErrorCode](#), [setErrorCode](#)

Methods inherited from class [java.lang.Throwable](#)

[addSuppressed](#), [fillInStackTrace](#), [getCause](#), [getLocalizedMessage](#), [getMessage](#), [getStackTrace](#), [getSuppressed](#), [initCause](#), [printStackTrace](#), [printStackTrace](#), [printStackTrace](#), [setStackTrace](#), [toString](#)

Methods inherited from class [java.lang.Object](#)

[equals](#), [getClass](#), [hashCode](#), [notify](#), [notifyAll](#), [toString](#), [wait](#), [wait](#), [wait](#)

Constructors

ValidationException

```
public ValidationException()
```

Constructs a new exception with `null` as its detail message. The cause is not initialized, and may subsequently be initialized by a call to `Throwable.initCause(java.lang.Throwable)`.

ValidationException

```
public ValidationException(String message)
```

Constructs a new exception with the specified detail message. The cause is not initialized, and may subsequently be initialized by a call to `Throwable.initCause(java.lang.Throwable)`.

Parameters:

`message` - the detail message. The detail message is saved for later retrieval by the [getMessage\(\)](#) method.

ValidationException

```
public ValidationException(String message,  
                           Map validationErrors)
```

Constructs a new exception with the specified detail message and a map containing error descriptions. The cause is not initialized, and may subsequently be initialized by a call to `Throwable.initCause(java.lang.Throwable)`.

Parameters:

`message` - the detail message. The detail message is saved for later retrieval by the [getMessage\(\)](#) method.
`validationErrors` - Map containing errors found for different items

Methods

getValidationErrors

```
public Map getValidationErrors()
```

Returns `validationErrors`, which is a map of errors found for different items.

Returns:

the validationErrors errors associated with different properties

setValidationErrors

```
public void setValidationErrors(Map validationErrors)
```

Sets the validationErrors.

Parameters:

validationErrors - the validationErrors to set

getMessage

```
public String getMessage()
```

getLocalizedMessage

```
public String getLocalizedMessage()
```

toString

```
public String toString()
```