



# **ESM Service Layer API Reference**

**Vol. 1: Core-Client Services**

**for HP ArcSight ESM 6.8c**

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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	<a href="#">AuthenticationException</a> (String message)
public	<a href="#">AuthenticationException</a> (String service, String method)

#### Methods inherited from class java.lang.Throwable

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

#### Methods inherited from class java.lang.Object

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

### Constructors

#### AuthenticationException

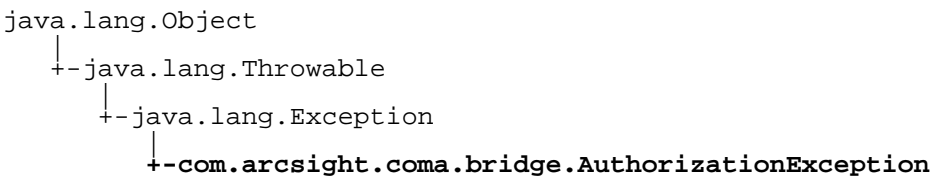
```
public AuthenticationException(String message)
```

#### AuthenticationException

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

# com.arcsight.coma.bridge

## Class AuthorizationException



All Implemented Interfaces:  
Serializable

public class AuthorizationException  
extends Exception

Constructor Summary	
public	<a href="#">AuthorizationException</a> (String message)
public	<a href="#">AuthorizationException</a> (String service, String method, boolean classRequiresAuthentication, boolean methodRequiresAuthentication, String[] classRequiredRights, String[] methodRequiredRights)

Methods inherited from class java.lang.Throwable	
fillInStackTrace, getCause, getLocalizedMessage, getMessage, getStackTrace, 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)

(continued on next page)

## 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**

## Field Summary

public static final	<a href="#">ERROR_UNKNOWN</a> Value: -54188
---------------------	--

## Constructor Summary

public	<a href="#">RemoteServiceException()</a>
public	<a href="#">RemoteServiceException(String message, Throwable cause)</a>
public	<a href="#">RemoteServiceException(String message)</a>
public	<a href="#">RemoteServiceException(Throwable cause)</a>

## Method Summary

int	<a href="#">getErrorCode()</a>
String	<a href="#">getRemoteStacktrace()</a>
void	<a href="#">setErrorCode(int errorCode)</a>
void	<a href="#">setRemoteStacktrace(String remoteStacktrace)</a>

Methods inherited from class `java.lang.Throwable`



```
fillInStackTrace, getCause, getLocalizedMessage, getMessage, getStackTrace, 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 2.1.5-b03- Generated source version: 2.1.5

### Constructor Summary

public	<a href="#">AuthenticationExceptionBean()</a>
--------	---

### Method Summary

String	<a href="#">getMessage()</a>
void	<a href="#">setMessage(String message)</a>

#### 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 2.1.5-b03- Generated source version: 2.1.5

### Constructor Summary

public	<a href="#">AuthorizationExceptionBean()</a>
--------	--

### Method Summary

String	<a href="#">getMessage()</a>
void	<a href="#">setMessage(String message)</a>

#### 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	<a href="#">GetAllRightsByGroupTypeResponse()</a>
--------	---

### Method Summary

HashMap	<a href="#">getReturn()</a>
void	<a href="#">setReturn</a> (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	<a href="#">LoginServiceAuthenticate()</a>
--------	--

## Method Summary

<a href="#">AuthContext</a>	<a href="#">getAuthContext()</a>
String	<a href="#">getAuthToken()</a>
<a href="#">PasswordCredential</a>	<a href="#">getCred()</a>
void	<a href="#">setAuthContext(<a href="#">AuthContext</a> authContext)</a>
void	<a href="#">setAuthToken(String authToken)</a>
void	<a href="#">setCred(<a href="#">PasswordCredential</a> cred)</a>

### 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 LoginServiceAuthenticateResponse

java.lang.Object

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

public class LoginServiceAuthenticateResponse  
extends Object

## Constructor Summary

public	<a href="#">LoginServiceAuthenticateResponse()</a>
--------	--

## Method Summary

<a href="#">AuthResponse</a>	<a href="#">getReturn()</a>
void	<a href="#">setReturn(<a href="#">AuthResponse</a> _return)</a>

### 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 LoginServiceGetAuthenticationMethod

java.lang.Object

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

public class **LoginServiceGetAuthenticationMethod**  
extends Object

### Constructor Summary

public	<a href="#">LoginServiceGetAuthenticationMethod()</a>
--------	---

### Method Summary

String	<a href="#">getAuthToken()</a>
void	<a href="#">setAuthToken(String authToken)</a>

#### 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	<a href="#">LoginServiceGetAuthenticationMethodResponse()</a>
--------	---

## Method Summary

<a href="#">AuthMethod</a>	<a href="#">getReturn()</a>
void	<a href="#">setReturn(<a href="#">AuthMethod</a> _return)</a>

## 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	<a href="#">LoginServiceGetCurrentUser()</a>
--------	--

## Method Summary

String	<a href="#">getAuthToken()</a>
void	<a href="#">setAuthToken(String authToken)</a>

## 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	<a href="#">LoginServiceGetCurrentUserResponse()</a>
--------	--

## Method Summary

<a href="#">User</a>	<a href="#">getReturn()</a>
----------------------	-----------------------------

void	<a href="#">setReturn(<a href="#">User</a> _return)</a>
------	---

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 LoginServiceGetServiceMajorVersion

java.lang.Object

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

public class **LoginServiceGetServiceMajorVersion**  
extends Object

### Constructor Summary

public	<a href="#">LoginServiceGetServiceMajorVersion()</a>
--------	--

### Method Summary

String	<a href="#">getAuthToken()</a>
void	<a href="#">setAuthToken(String authToken)</a>

#### 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	<a href="#">LoginServiceGetServiceMajorVersionResponse()</a>
--------	--

## Method Summary

int	<a href="#">getReturn()</a>
-----	-----------------------------

void	<a href="#">setReturn(int _return)</a>
------	--

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	<a href="#">LoginServiceGetServiceMinorVersion()</a>
--------	--

## Method Summary

String	<a href="#">getAuthToken()</a>
--------	--------------------------------

void	<a href="#">setAuthToken(String authToken)</a>
------	--

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	<a href="#">LoginServiceGetServiceMinorVersionResponse()</a>
--------	--

## Method Summary

int	<a href="#">getReturn()</a>
-----	-----------------------------

void	<a href="#">setReturn(int _return)</a>
------	--

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	<a href="#">LoginServiceGetSession()</a>
--------	--

## Method Summary

String	<a href="#">getAuthToken()</a>
void	<a href="#">setAuthToken(String authToken)</a>

### 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	<a href="#">LoginServiceGetSessionResponse()</a>
--------	--

## Method Summary

<a href="#">Session</a>	<a href="#">getReturn()</a>
void	<a href="#">setReturn(<a href="#">Session</a> _return)</a>

## 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 LoginServiceIsCASAAuth

java.lang.Object

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

public class LoginServiceIsCASAAuth  
extends Object

## Constructor Summary

public	<a href="#">LoginServiceIsCASAAuth()</a>
--------	--

## Method Summary

String	<a href="#">getAuthToken()</a>
--------	--------------------------------

void	<a href="#">setAuthToken(String authToken)</a>
------	--

Methods inherited from class java.lang.Object

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

## Constructors

### LoginServiceIsCASAAuth

public LoginServiceIsCASAAuth()

## 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 LoginServiceIsCASAuthResponse

java.lang.Object

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

```
public class LoginServiceIsCASAuthResponse
extends Object
```

## Constructor Summary

public	<a href="#">LoginServiceIsCASAuthResponse()</a>
--------	---

## Method Summary

boolean	<a href="#">isReturn()</a>
---------	----------------------------

void	<a href="#">setReturn(boolean _return)</a>
------	--

Methods inherited from class java.lang.Object

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

## Constructors

### LoginServiceIsCASAuthResponse

```
public LoginServiceIsCASAuthResponse()
```

## Methods

### isReturn

```
public boolean isReturn()
```

#### Returns:

returns boolean

## setReturn

```
public void setReturn(boolean _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	<a href="#">LoginServiceLogin()</a>
--------	-------------------------------------

### Method Summary

String	<a href="#">getAuthToken()</a>
String	<a href="#">getLogin()</a>
String	<a href="#">getPassword()</a>
void	<a href="#">setAuthToken(String authToken)</a>
void	<a href="#">setLogin(String login)</a>
void	<a href="#">setPassword(String password)</a>

#### 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	<a href="#">LoginServiceLoginForOneTimeUse()</a>
--------	--

Method Summary

String	<a href="#">getAuthToken()</a>
String	<a href="#">getLogin()</a>
String	<a href="#">getPassword()</a>
void	<a href="#">setAuthToken(String authToken)</a>
void	<a href="#">setLogin(String login)</a>
void	<a href="#">setPassword(String password)</a>

Methods inherited from class java.lang.Object
<code>equals, getClass, hashCode, notify, notifyAll, toString, wait, wait, wait</code>

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	<a href="#">LoginServiceLoginForOneTimeUseResponse()</a>
--------	--

## Method Summary

String	<a href="#">getReturn()</a>
void	<a href="#">setReturn(String _return)</a>

### 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	<a href="#">LoginServiceLoginResponse()</a>
--------	---

## Method Summary

String	<a href="#">getReturn()</a>
--------	-----------------------------

void	<a href="#">setReturn(String _return)</a>
------	---

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	<a href="#">LoginServiceLogout()</a>
--------	--------------------------------------

### Method Summary

String	<a href="#">getAuthToken()</a>
--------	--------------------------------

void	<a href="#">setAuthToken(String authToken)</a>
------	--

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	<a href="#">LoginServiceLogoutResponse()</a>
--------	--

## Method Summary

Void	<a href="#">getReturn()</a>
------	-----------------------------

void	<a href="#">setReturn(Void _return)</a>
------	---

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	<a href="#">LoginServiceResetPassword()</a>

Method Summary	
String	<a href="#">getAuthToken()</a>
String	<a href="#">getLogin()</a>
void	<a href="#">setAuthToken(String authToken)</a>
void	<a href="#">setLogin(String login)</a>

Methods inherited from class java.lang.Object
<code>equals, getClass, hashCode, notify, notifyAll, toString, wait, wait, wait</code>

## 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	<a href="#">LoginServiceResetPasswordResponse()</a>
--------	---

## Method Summary

Void	<a href="#">getReturn()</a>
------	-----------------------------

void	<a href="#">setReturn(Void _return)</a>
------	---

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	<a href="#">LoginServiceSendAuthChallengeResponse()</a>
--------	---

## Method Summary

String	<a href="#">getAuthToken()</a>
int	<a href="#">getChallengeId()</a>
String	<a href="#">getResp()</a>
void	<a href="#">setAuthToken(String authToken)</a>
void	<a href="#">setChallengeId(int challengeId)</a>
void	<a href="#">setResp(String resp)</a>

### 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	<a href="#">LoginServiceSendAuthChallengeResponseResponse()</a>

Method Summary	
<a href="#">AuthResponse</a>	<a href="#">getReturn()</a>
void	<a href="#">setReturn(<a href="#">AuthResponse</a> _return)</a>

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	<a href="#">ModelLoader()</a>

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	<a href="#">ObjectFactory()</a>

Methods inherited from class java.lang.Object
<code>equals, getClass, hashCode, notify, notifyAll, toString, wait, wait, wait</code>

## 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 2.1.5-b03- Generated source version: 2.1.5

Constructor Summary	
public	<a href="#">ServiceExceptionBean()</a>

Method Summary	
int	<a href="#">getErrorCode()</a>
String	<a href="#">getMessage()</a>
void	<a href="#">setErrorCode(int errorCode)</a>
void	<a href="#">setMessage(String message)</a>

Methods inherited from class java.lang.Object
<code>equals, getClass, hashCode, notify, notifyAll, toString, wait, wait, wait</code>

## 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

public class AuthContext  
extends Object

Constructor Summary	
public	<a href="#">AuthContext()</a> Constructor

Method Summary	
Boolean	<a href="#">getFallback()</a> Tests whether this authContext is fallen back or not.
void	<a href="#">setFallback(Boolean fallback)</a> 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

```
public class AuthMethod
extends Object
```

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	<a href="#">BUILTIN</a>
public static final	<a href="#">PKI</a>
public static final	<a href="#">PKI_AND_LOCAL_PASSWORD</a>
public static final	<a href="#">PKI_WITH_PASSWORD_BACKUP</a>
public static final	<a href="#">RADIUS</a>
public static final	<a href="#">RADIUS_WITH_PASSWORD_BACKUP</a>

## Constructor Summary

public	<a href="#">AuthMethod()</a> Constructor
public	<a href="#">AuthMethod</a> (boolean localPassword, boolean externalUserId)

## Method Summary

boolean	<a href="#">isExternalUserId()</a> Tests whether this authMethod has external user Id.
boolean	<a href="#">isLocalPassword()</a> Tests whether this AuthMethod has local password.
void	<a href="#">setExternalUserId</a> (boolean externalUserId) Sets whether this authMethod has external user Id.

void	<a href="#">setLocalPassword</a> (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**

## 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

public class **AuthResponse**  
extends Object

### Constructor Summary

public	<a href="#">AuthResponse()</a> Constructor
public	<a href="#">AuthResponse(String authToken)</a> Constructor

### Method Summary

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

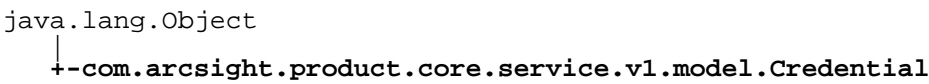
Gets whether or not the user must change their password.

**Returns:**

True if the user must change their password.

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

## Class Credential



Direct Known Subclasses:  
[PasswordCredential](#)

```
public class Credential
extends Object
```

### Constructor Summary

public	<a href="#">Credential()</a>
--------	------------------------------

### Method Summary

String	<a href="#">getUserName()</a>
void	<a href="#">setUserName(String userName)</a>

Methods inherited from class java.lang.Object
<code>equals, getClass, hashCode, notify, notifyAll, toString, wait, wait, wait</code>

### 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
```

```
public class Group
extends Object
```

Description of a Group of Users.

JSON prototype

Constructor Summary	
public	<a href="#">Group()</a>

Method Summary	
String	<a href="#">getDescription()</a>
long	<a href="#">getId()</a>
boolean	<a href="#">getIsDefault()</a>
String	<a href="#">getName()</a>
Long[]	<a href="#">getRightIds()</a>
<a href="#">GroupType</a>	<a href="#">getType()</a>
Long[]	<a href="#">getUserIds()</a>
void	<a href="#">setDescription</a> (String description)
void	<a href="#">setId</a> (long id)
void	<a href="#">setIsDefault</a> (boolean isDefault)
void	<a href="#">setName</a> (String name)
void	<a href="#">setRightIds</a> (Long[] rightIds)

void	<a href="#"><code>setType(GroupType type)</code></a>
void	<a href="#"><code>setUserIds(Long[] userIds)</code></a>

Methods inherited from class <code>java.lang.Object</code>	
<code>equals, getClass, hashCode, notify, notifyAll, toString, wait, wait, wait</code>	

## 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	<a href="#">CONAPP_RIGHTS</a>
public static final	<a href="#">LOGGER_REPORT</a>
public static final	<a href="#">LOGGER_RIGHTS</a>
public static final	<a href="#">LOGGER_SEARCH</a>
public static final	<a href="#">SYSTEM_ADMIN</a>

### Method Summary

String	<a href="#">getDbName()</a>
static <a href="#">GroupType</a>	<a href="#">valueOf(String name)</a>
static <a href="#">GroupType[]</a>	<a href="#">values()</a>

#### Methods inherited from class java.lang.Enum

<a href="#">compareTo</a> , <a href="#">equals</a> , <a href="#">getDeclaringClass</a> , <a href="#">hashCode</a> , <a href="#">name</a> , <a href="#">ordinal</a> , <a href="#">toString</a> , <a href="#">valueOf</a>
---

#### Methods inherited from class java.lang.Object

<a href="#">equals</a> , <a href="#">getClass</a> , <a href="#">hashCode</a> , <a href="#">notify</a> , <a href="#">notifyAll</a> , <a href="#">toString</a> , <a href="#">wait</a> , <a href="#">wait</a> , <a href="#">wait</a>
---

#### 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)
```

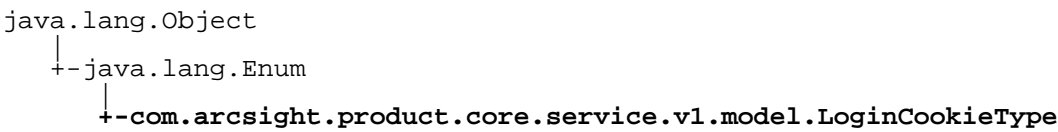
---

## getDbName

```
public String getDbName()
```

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

## Class LoginCookieType



All Implemented Interfaces:  
Serializable, Comparable

public final class **LoginCookieType**  
extends Enum

Field Summary	
public static final	<a href="#">ESM</a>
public static final	<a href="#">PLATFORM</a>

Method Summary	
static <a href="#">LoginCookieType</a>	<a href="#">valueOf</a> (String name)
static <a href="#">LoginCookieType[]</a>	<a href="#">values</a> ()

Methods inherited from class java.lang.Enum
<code>compareTo, equals, getDeclaringClass, hashCode, name, ordinal, toString, valueOf</code>

Methods inherited from class java.lang.Object
<code>equals, getClass, hashCode, notify, notifyAll, toString, wait, wait, wait</code>

Methods inherited from interface java.lang.Comparable
<code>compareTo</code>

## 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



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	<a href="#">MAXIMUM_LENGTH</a> ...
public static final	<a href="#">MINIMUM_DIFFERENCE</a> ...
public static final	<a href="#">MINIMUM_LENGTH</a> is the password at least a minimum length ...
public static final	<a href="#">MINIMUM_LOWER_CASE</a> ...
public static final	<a href="#">MINIMUM_NUMERIC</a> ...
public static final	<a href="#">MINIMUM_SPECIAL_CHARACTERS</a> ...
public static final	<a href="#">MINIMUM_UPPER_CASE</a> ...

Method Summary	
static <a href="#">PasswordComplexityRequirement</a>	<a href="#">valueOf</a> (String name)
static <a href="#">PasswordComplexityRequirement[]</a>	<a href="#">values</a> ()

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()
```

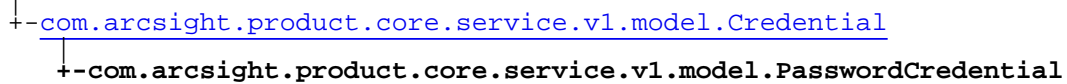
---

### valueOf

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

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

java.lang.Object



public class PasswordCredential  
extends [Credential](#)

## Constructor Summary

public	<a href="#">PasswordCredential()</a> Constructor.
public	<a href="#">PasswordCredential</a> (String userName, String password) Constructor.

## Method Summary

String	<a href="#">getPassword()</a> Gets the password of the login user.
void	<a href="#">setPassword</a> (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
```

```
public class PasswordRequirement
extends Object
```

Requirements for new passwords.

JSON prototype

Constructor Summary	
public	<a href="#">PasswordRequirement()</a>

Method Summary	
<a href="#">PasswordComplexityRequirement</a>	<a href="#">getRequirement()</a>
Integer	<a href="#">getValue()</a>
void	<a href="#">setRequirement(<a href="#">PasswordComplexityRequirement</a> requirement)</a>
void	<a href="#">setValue(Integer value)</a>

Methods inherited from class java.lang.Object
<code>equals, getClass, hashCode, notify, notifyAll, toString, wait, wait, wait</code>

## 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
```

```
public class Right
extends Object
```

DESCRIBE ME

JSON prototype

Constructor Summary	
public	<a href="#">Right()</a>

Method Summary	
String	<a href="#">getCategory()</a>
String	<a href="#">getDescription()</a>
long	<a href="#">getId()</a>
String	<a href="#">getModule()</a>
String	<a href="#">getName()</a>
String	<a href="#">getType()</a>
void	<a href="#">setCategory(String category)</a>
void	<a href="#">setDescription(String description)</a>
void	<a href="#">setId(long id)</a>
void	<a href="#">setModule(String module)</a>
void	<a href="#">setName(String name)</a>
void	<a href="#">setType(String type)</a>

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
```

```
public class ScheduledWorkPeriod
extends Object
```

Description of scheduled work period.

JSON prototype

Constructor Summary	
public	<a href="#">ScheduledWorkPeriod()</a>

Method Summary	
<a href="#">Workday</a>	<a href="#">getDayOfWeek()</a> Get the dayOfWeek.
<a href="#">Time</a>	<a href="#">getEndTime()</a> Get the endTime.
Long	<a href="#">getId()</a> Get the id.
<a href="#">Time</a>	<a href="#">getStartTime()</a> Get the startTime.
void	<a href="#">setDayOfWeek(<a href="#">Workday</a> dayOfWeek)</a> Set the dayOfWeek.
void	<a href="#">setEndTime(<a href="#">Time</a> endTime)</a> Set the endTime.
void	<a href="#">setId(Long id)</a> Set the id.
void	<a href="#">setStartTime(<a href="#">Time</a> startTime)</a> Set the startTime.
String	<a href="#">toString()</a>

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

---

### getStartTime

```
public Time getStartTime()
```

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

public class **Session**  
extends Object

DESCRIBE ME

JSON prototype

## Constructor Summary

public	<a href="#">Session()</a>
--------	---------------------------

## Method Summary

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

public class Time  
extends Object

DESCRIBE ME

JSON prototype

Constructor Summary	
public	<a href="#">Time()</a>

Method Summary	
int	<a href="#">getHour()</a> Get the hour.
int	<a href="#">getMinutes()</a> Get the minutes.
void	<a href="#">setHour(int hour)</a> Set the hour.
void	<a href="#">setMinutes(int minutes)</a> 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

public class **User**  
extends Object

DESCRIBE ME

JSON prototype

### Constructor Summary

public	<a href="#">User()</a> Constructor
--------	---------------------------------------

### Method Summary

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

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

void	<a href="#"><code>setLocked</code></a> (boolean locked) Sets whether this user is locked.
void	<a href="#"><code>setLogin</code></a> (String login) Sets the login name of this user.
void	<a href="#"><code>setMustChangePassword</code></a> (boolean mustChangePassword) Sets whether the password is required to change.
void	<a href="#"><code>setNotes</code></a> (String notes) Sets the notes of this user.
void	<a href="#"><code>setPagerNumber</code></a> (String pagerNumber) Sets the pager number of this user.
void	<a href="#"><code>setPassword</code></a> (String password) Sets the password of this user.
void	<a href="#"><code>setPhone</code></a> (String phone) Sets the phone number of this user.
void	<a href="#"><code>setScheduledWorkPeriods</code></a> (List scheduledWorkPeriods) Set the list of scheduled work periods.
void	<a href="#"><code>setTitle</code></a> (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.  
id

---

## 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



All Implemented Interfaces:  
Serializable, Comparable

public final class **Workday**  
extends Enum

Field Summary	
public static final	<a href="#">Friday</a>
public static final	<a href="#">Monday</a>
public static final	<a href="#">Saturday</a>
public static final	<a href="#">Sunday</a>
public static final	<a href="#">Thursday</a>
public static final	<a href="#">Tuesday</a>
public static final	<a href="#">Wednesday</a>

Method Summary	
static <a href="#">Workday</a>	<a href="#">valueOf</a> (String name)
static <a href="#">Workday[]</a>	<a href="#">values</a> ()

Methods inherited from class java.lang.Enum
<a href="#">compareTo</a> , <a href="#">equals</a> , <a href="#">getDeclaringClass</a> , <a href="#">hashCode</a> , <a href="#">name</a> , <a href="#">ordinal</a> , <a href="#">toString</a> , <a href="#">valueOf</a>

Methods inherited from class java.lang.Object
<a href="#">equals</a> , <a href="#">getClass</a> , <a href="#">hashCode</a> , <a href="#">notify</a> , <a href="#">notifyAll</a> , <a href="#">toString</a> , <a href="#">wait</a> , <a href="#">wait</a> , <a href="#">wait</a>

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



```
public class HashMapOfRightListResponse
extends <any>
```

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

### Constructor Summary

public	<a href="#">HashMapOfRightListResponse()</a>
--------	--

### Methods inherited from class java.lang.Object

<code>equals</code> , <code>getClass</code> , <code>hashCode</code> , <code>notify</code> , <code>notifyAll</code> , <code>toString</code> , <code>wait</code> , <code>wait</code> , <code>wait</code>
--

### 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	<a href="#">ObjectFactory()</a>

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	<a href="#">LoginServiceImpl()</a>
--------	------------------------------------

## Method Summary

<a href="#">LoginServiceAuthenticateResponse</a>	<a href="#">authenticate(LoginServiceAuthenticate value)</a> Authenticates the user with the given credentials.
<a href="#">LoginServiceGetAuthenticationMethodResponse</a>	<a href="#">getAuthenticationMethod(HttpHeaders hh)</a> Gets the method that applications should use to authenticate users.
<a href="#">LoginServiceGetAuthenticationMethodResponse</a>	<a href="#">getAuthenticationMethodPost(HttpHeaders hh)</a> Gets the method that applications should use to authenticate users.
<a href="#">LoginServiceGetCurrentUserResponse</a>	<a href="#">getCurrentUser(LoginServiceGetCurrentUser value)</a> Returns the login user for the current session.
<a href="#">LoginServiceGetCurrentUserResponse</a>	<a href="#">getCurrentUser(String authToken, HttpHeaders hh)</a> Returns the login user for the current session.
<a href="#">LoginServiceGetCurrentUserResponse</a>	<a href="#">getCurrentUserPost(String authToken, HttpHeaders hh)</a> Returns the login user for the current session.
<a href="#">LoginServiceGetServiceMajorVersionResponse</a>	<a href="#">getServiceMajorVersion(LoginServiceGetServiceMajorVersion value)</a> The major version of this service.
<a href="#">LoginServiceGetServiceMajorVersionResponse</a>	<a href="#">getServiceMajorVersion(String authToken, HttpHeaders hh)</a> The major version of this service.
<a href="#">LoginServiceGetServiceMajorVersionResponse</a>	<a href="#">getServiceMajorVersionPost(String authToken, HttpHeaders hh)</a> The major version of this service.
<a href="#">LoginServiceGetServiceMinorVersionResponse</a>	<a href="#">getServiceMinorVersion(LoginServiceGetServiceMinorVersion value)</a> The minor version of this service.
<a href="#">LoginServiceGetServiceMinorVersionResponse</a>	<a href="#">getServiceMinorVersion(String authToken, HttpHeaders hh)</a> The minor version of this service.

<a href="#">LoginServiceGetServiceMinorVersionResponse</a>	<a href="#">getServiceMinorVersionPost</a> (String authToken, HttpHeaders hh) The minor version of this service.
<a href="#">LoginServiceGetSessionResponse</a>	<a href="#">getSession</a> ( <a href="#">LoginServiceGetSession</a> value) Returns the current session.
<a href="#">LoginServiceGetSessionResponse</a>	<a href="#">getSession</a> (String authToken, HttpHeaders hh) Returns the current session.
<a href="#">LoginServiceGetSessionResponse</a>	<a href="#">getSessionPost</a> (String authToken, HttpHeaders hh) Returns the current session.
<a href="#">LoginServiceIsCASAAuthResponse</a>	<a href="#">isCASAAuth</a> (HttpHeaders hh) <b>Deprecated. Not implemented</b>
<a href="#">LoginServiceIsCASAAuthResponse</a>	<a href="#">isCASAAuthPost</a> (HttpHeaders hh) <b>Deprecated. Not implemented</b>
<a href="#">LoginServiceLoginResponse</a>	<a href="#">login</a> ( <a href="#">LoginServiceLogin</a> 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.
<a href="#">LoginServiceLoginResponse</a>	<a href="#">login</a> (String login, String password, 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.
<a href="#">LoginServiceLoginForOneTimeUseResponse</a>	<a href="#">loginForOneTimeUse</a> ( <a href="#">LoginServiceLoginForOneTimeUse</a> 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.
<a href="#">LoginServiceLoginForOneTimeUseResponse</a>	<a href="#">loginForOneTimeUse</a> (String login, String password, 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.
<a href="#">LoginServiceLoginForOneTimeUseResponse</a>	<a href="#">loginForOneTimeUsePost</a> (String login, String password, 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.
<a href="#">LoginServiceLoginResponse</a>	<a href="#">loginPost</a> (String login, String password, 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	<a href="#">logout</a> ( <a href="#">LoginServiceLogout</a> value) Drops the current session and its bound auth-token.
Void	<a href="#">logout</a> (String authToken, HttpHeaders hh) Drops the current session and its bound auth-token.
Void	<a href="#">logoutPost</a> (String authToken, HttpHeaders hh) Drops the current session and its bound auth-token.
Void	<a href="#">resetPassword</a> ( <a href="#">LoginServiceResetPassword</a> value) Resets the password for the user specified by the login userName.
Void	<a href="#">resetPassword</a> (String login, HttpHeaders hh) Resets the password for the user specified by the login userName.

Void	<a href="#">resetPasswordPost</a> (String login, HttpHeaders hh) Resets the password for the user specified by the login userName.
<a href="#">LoginServiceSendAuthChallengeResponseResponse</a>	<a href="#">sendAuthChallengeResponse</a> (int challengeId, String resp, HttpHeaders hh) Sends a response for the requested challenge back to JAAS CallbackHandler, which initiates that challenge.
<a href="#">LoginServiceSendAuthChallengeResponseResponse</a>	<a href="#">sendAuthChallengeResponse</a> ( <a href="#">LoginServiceSendAuthChallengeResponse</a> value) Sends a response for the requested challenge back to JAAS CallbackHandler, which initiates that challenge.
<a href="#">LoginServiceSendAuthChallengeResponseResponse</a>	<a href="#">sendAuthChallengeResponsePost</a> (int challengeId, String resp, 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,
    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  
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

**See Also:**

**GET**

```
URL: http://HOST:PORT/www/core-  
service/rest/LoginService/login?login=value&password=value  
Normal response code: 200
```

---

## loginPost

```
public LoginServiceLoginResponse loginPost(String login,  
      String password,  
      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  
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

See Also:

## POST

```
Consumes({"application/x-www-form-urlencoded"})
URL: http://HOST:PORT/www/core-service/rest/LoginService/login
Normal response code: 200
```

### JSON prototype for request body:

```
{
  "log.login" : {
    "log.login" : "value",
    "log.password" : "value"
  }
}
```

---

## 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 other errors happened during execution of this operation

**See Also:****POST**

```
Consumes({"application/xml","text/xml","application/json"})
URL: http://HOST:PORT/www/core-service/rest/LoginService/login
Normal response code: 200
```

**JSON prototype for request body:**

```
{
  "log.login" : {
    "log.login" : "value",
    "log.password" : "value"
  }
}
where:
  login The login user name
  password The password of the login user
```

---

**logout**

```
public Void logout(String authToken,
    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

**See Also:**

**GET**

```
URL: http://HOST:PORT/www/core-service/rest/LoginService/logout?authToken=value  
Normal response code: 204
```

---

## logoutPost

```
public Void logoutPost(String authToken,  
    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

**See Also:**

## POST

```
Consumes({"application/x-www-form-urlencoded"})  
URL: http://HOST:PORT/www/core-service/rest/LoginService/logout  
Normal response code: 204
```

### JSON prototype for request body:

```
{  
  "log.logout" : {  
    "log.authToken" : "value"  
  }  
}
```

---

## 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 other errors happened during execution of this operation

#### See Also:

## POST

```
Consumes({"application/xml","text/xml","application/json"})
URL: http://HOST:PORT/www/core-service/rest/LoginService/logout
Normal response code: 204
```

### JSON prototype for request body:

```
{
  "log.logout" : {
    "log.authToken" : "value"
  }
}

where:
  authToken  Authentication token created for the current session
```

---

## getCurrentUser

```
public LoginServiceGetCurrentUserResponse getCurrentUser(String authToken,
    HttpHeaders hh)
    throws ServiceException,
    AuthorizationException,
    AuthenticationException
```

Returns the login user for the current session.

#### Parameters:

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

#### Returns:

The login user for 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

**See Also:**

**GET**

```
URL: http://HOST:PORT/www/core-  
service/rest/LoginService/getCurrentUser?authToken=value  
Normal response code: 200
```

---

## getCurrentUserPost

```
public LoginServiceGetCurrentUserResponse getCurrentUserPost(String authToken,  
    HttpHeaders hh)  
    throws ServiceException,  
    AuthorizationException,  
    AuthenticationException
```

Returns the login user for the current session.

**Parameters:**

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

**Returns:**

The login user for 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

**See Also:**

## POST

```
Consumes({"application/x-www-form-urlencoded"})  
URL: http://HOST:PORT/www/core-service/rest/LoginService/getCurrentUser  
Normal response code: 200
```

### JSON prototype for request body:

```
{  
  "log.getCurrentUser" : {  
    "log.authToken" : "value"  
  }  
}
```

---

## getCurrentUser

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

Returns the login user for the current session.

#### Parameters:

value - Model object containing request body

#### Returns:

The login user for 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 other errors happened during execution of this operation

#### See Also:

## POST

```
Consumes({"application/xml","text/xml","application/json"})
URL: http://HOST:PORT/www/core-service/rest/LoginService/getCurrentUser
Normal response code: 200
```

### JSON prototype for request body:

```
{
  "log.getCurrentUser" : {
    "log.authToken" : "value"
  }
}

where:
  authToken  Authentication token created for the current session
```

---

## getSession

```
public LoginServiceGetSessionResponse getSession(String authToken,
    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:

[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

**See Also:**

**GET**

```
URL: http://HOST:PORT/www/core-service/rest/LoginService/getSession?authToken=value
Normal response code: 200
```

---

## getSessionPost

```
public LoginServiceGetSessionResponse getSessionPost(String authToken,
    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:**

[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

**See Also:**



## POST

```
Consumes({"application/x-www-form-urlencoded"})
URL: http://HOST:PORT/www/core-service/rest/LoginService/getSession
Normal response code: 200
```

### JSON prototype for request body:

```
{
  "log.getSession" : {
    "log.authToken" : "value"
  }
}
```

---

## 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 other errors happened during execution of this operation

#### See Also:

## POST

```
Consumes({"application/xml","text/xml","application/json"})
URL: http://HOST:PORT/www/core-service/rest/LoginService/getSession
Normal response code: 200
```

### JSON prototype for request body:

```
{
  "log.getSession" : {
    "log.authToken" : "value"
  }
}
where:
  authToken  Authentication token created for the current session
```

---

## isCASAAuth

```
public LoginServiceIsCASAAuthResponse isCASAAuth(HttpHeaders hh)
    throws ServiceException,
           AuthorizationException,
           AuthenticationException
```

**Deprecated.** *Not implemented*

### Parameters:

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

---

## isCASAAuthPost

```
public LoginServiceIsCASAAuthResponse isCASAAuthPost(HttpHeaders hh)
    throws ServiceException,
           AuthorizationException,
           AuthenticationException
```

**Deprecated.** *Not implemented*

### Parameters:

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

---

## 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 other errors happened during execution of this operation

### See Also:

## POST

```
Consumes({"application/xml","text/xml","application/json"})
URL: http://HOST:PORT/www/core-service/rest/LoginService/authenticate
Normal response code: 200
```

### JSON prototype for request body:

```
{
  "log.authenticate" : {
    "log.cred" : { "JSON for the nested object" },
    "log.authContext" : { "JSON for the nested object" }
  }
}

where:
  cred Credential to use to authenticate the user. Credential must match the
  AuthMethod being used.
  authContext The context in which the authentication is taking place. Can be null.
```

---

## sendAuthChallengeResponse

```
public LoginServiceSendAuthChallengeResponseResponse sendAuthChallengeResponse(int
challengeId,
    String resp,
    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  
`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

**See Also:****GET**

```
URL: http://HOST:PORT/www/core-  
service/rest/LoginService/sendAuthChallengeResponse?challengeId=value&resp=value  
Normal response code: 200
```

---

## sendAuthChallengeResponsePost

```
public LoginServiceSendAuthChallengeResponseResponse sendAuthChallengeResponsePost(int  
challengeId,  
    String resp,  
    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  
`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

**See Also:****POST**

```
Consumes({ "application/x-www-form-urlencoded" })
URL: http://HOST:PORT/www/core-service/rest/LoginService/sendAuthChallengeResponse
Normal response code: 200
```

**JSON prototype for request body:**

```
{
  "log.sendAuthChallengeResponse" : {
    "log.challengeId" : "value",
    "log.resp" : "value"
  }
}
```

---

## 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 other errors happened during execution of this operation

**See Also:**

## POST

```
Consumes({"application/xml","text/xml","application/json"})
URL: http://HOST:PORT/www/core-service/rest/LoginService/sendAuthChallengeResponse
Normal response code: 200
```

### JSON prototype for request body:

```
{
  "log.sendAuthChallengeResponse" : {
    "log.challengeId" : "value",
    "log.resp" : "value"
  }
}

where:
  challengeId Identifier of a challenge send by JAAS authenticator
  response User response to the challenge
```

---

## getAuthenticationMethod

```
public LoginServiceGetAuthenticationMethodResponse getAuthenticationMethod(HttpHeaders
hh)
    throws ServiceException,
           AuthorizationException,
           AuthenticationException
```

Gets the method that applications should use to authenticate users.

#### Parameters:

hh - HTTP headers from http request

#### 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

**See Also:**

**GET**

```
URL: http://HOST:PORT/www/core-service/rest/LoginService/getAuthenticationMethod?  
Normal response code: 200
```

---

## getAuthenticationMethodPost

```
public LoginServiceGetAuthenticationMethodResponse  
getAuthenticationMethodPost(HttpHeaders hh)  
    throws ServiceException,  
           AuthorizationException,  
           AuthenticationException
```

Gets the method that applications should use to authenticate users.

**Parameters:**

hh - HTTP headers from http request

**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

**See Also:**

## POST

```
Consumes({"application/x-www-form-urlencoded"})
URL: http://HOST:PORT/www/core-service/rest/LoginService/getAuthenticationMethod
Normal response code: 200
```

### JSON prototype for request body:

```
{
  "log.getAuthenticationMethod" : {

  }
}
```

---

## loginForOneTimeUse

```
public LoginServiceLoginForOneTimeUseResponse loginForOneTimeUse(String login,
    String password,
    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.  
`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

**See Also:**

**GET**

```
URL: http://HOST:PORT/www/core-  
service/rest/LoginService/loginForOneTimeUse?login=value&password=value  
Normal response code: 200
```

---

## loginForOneTimeUsePost

```
public LoginServiceLoginForOneTimeUseResponse loginForOneTimeUsePost(String login,  
    String password,  
    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.  
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

## See Also:

### POST

```
Consumes({"application/x-www-form-urlencoded"})
URL: http://HOST:PORT/www/core-service/rest/LoginService/loginForOneTimeUse
Normal response code: 200
```

### JSON prototype for request body:

```
{
  "log.loginForOneTimeUse" : {
    "log.login" : "value",
    "log.password" : "value"
  }
}
```

---

## 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 other errors happened during execution of this operation

**See Also:**

**POST**

```
Consumes({"application/xml","text/xml","application/json"})
URL: http://HOST:PORT/www/core-service/rest/LoginService/loginForOneTimeUse
Normal response code: 200
```

**JSON prototype for request body:**

```
{
  "log.loginForOneTimeUse" : {
    "log.login" : "value",
    "log.password" : "value"
  }
}
where:
  login The login user name.
  password The password of the login user.
```

---

## resetPassword

```
public Void resetPassword(String login,
    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.  
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

**See Also:**

**GET**

URL: `http://HOST:PORT/www/core-service/rest/LoginService/resetPassword?login=value`  
Normal response code: 204

---

## resetPasswordPost

```
public Void resetPasswordPost(String login,  
    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.  
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

**See Also:**

## POST

```
Consumes({"application/x-www-form-urlencoded"})  
URL: http://HOST:PORT/www/core-service/rest/LoginService/resetPassword  
Normal response code: 204
```

### JSON prototype for request body:

```
{  
  "log.resetPassword" : {  
    "log.login" : "value"  
  }  
}
```

---

## 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 other errors happened during execution of this operation

#### See Also:

## POST

```
Consumes({"application/xml","text/xml","application/json"})
URL: http://HOST:PORT/www/core-service/rest/LoginService/resetPassword
Normal response code: 204
```

### JSON prototype for request body:

```
{
  "log.resetPassword" : {
    "log.login" : "value"
  }
}
where:
  login User name associated with the account.
```

---

## getServiceMajorVersion

```
public LoginServiceGetServiceMajorVersionResponse getServiceMajorVersion(String
authToken,
    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



## See Also:

### GET

```
URL: http://HOST:PORT/www/core-  
service/rest/LoginService/getServiceMajorVersion?authToken=value  
Normal response code: 200
```

---

## getServiceMajorVersionPost

```
public LoginServiceGetServiceMajorVersionResponse getServiceMajorVersionPost(String  
authToken,  
    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

## See Also:

## POST

```
Consumes({"application/x-www-form-urlencoded"})  
URL: http://HOST:PORT/www/core-service/rest/LoginService/getServiceMajorVersion  
Normal response code: 200
```

### JSON prototype for request body:

```
{  
  "log.getServiceMajorVersion" : {  
    "log.authToken" : "value"  
  }  
}
```

---

## 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 other errors happened during execution of this operation

### See Also:

## POST

```
Consumes({"application/xml","text/xml","application/json"})
URL: http://HOST:PORT/www/core-service/rest/LoginService/getServiceMajorVersion
Normal response code: 200
```

### JSON prototype for request body:

```
{
  "log.getServiceMajorVersion" : {
    "log.authToken" : "value"
  }
}
where:
  authToken  Authentication token created for the current session
```

---

## getServiceMinorVersion

```
public LoginServiceGetServiceMinorVersionResponse getServiceMinorVersion(String
authToken,
    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

## See Also:

### GET

```
URL: http://HOST:PORT/www/core-  
service/rest/LoginService/getServiceMinorVersion?authToken=value  
Normal response code: 200
```

---

## getServiceMinorVersionPost

```
public LoginServiceGetServiceMinorVersionResponse getServiceMinorVersionPost(String  
authToken,  
    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

## See Also:

## POST

```
Consumes({"application/x-www-form-urlencoded"})  
URL: http://HOST:PORT/www/core-service/rest/LoginService/getServiceMinorVersion  
Normal response code: 200
```

### JSON prototype for request body:

```
{  
  "log.getServiceMinorVersion" : {  
    "log.authToken" : "value"  
  }  
}
```

---

## 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 other errors happened during execution of this operation

### See Also:

## POST

```
Consumes({"application/xml","text/xml","application/json"})  
URL: http://HOST:PORT/www/core-service/rest/LoginService/getServiceMinorVersion  
Normal response code: 200
```

### JSON prototype for request body:

```
{  
  "log.getServiceMinorVersion" : {  
    "log.authToken" : "value"  
  }  
}  
where:  
  authToken  Authentication token created for the current session
```

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	<a href="#">RuntimeCodedException()</a> Constructs a new runtime exception with <code>null</code> as its detail message.
public	<a href="#">RuntimeCodedException(String message)</a> Constructs a new runtime exception with the specified detail message.
public	<a href="#">RuntimeCodedException(Throwable cause)</a> 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	<a href="#">RuntimeCodedException(String message, Throwable cause)</a> Constructs a new runtime exception with the specified detail message and cause.
public	<a href="#">RuntimeCodedException(int errorCode)</a> Constructs a new exception with the specified error code

## Method Summary

int	<a href="#">getErrorCode()</a> Returns the error code associated with this exception.
void	<a href="#">setErrorCode(int errorCode)</a> Associates the error code with the exception.

Methods inherited from class `java.lang.Throwable`



```
fillInStackTrace, getCause, getLocalizedMessage, getMessage, getStackTrace, 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)
```

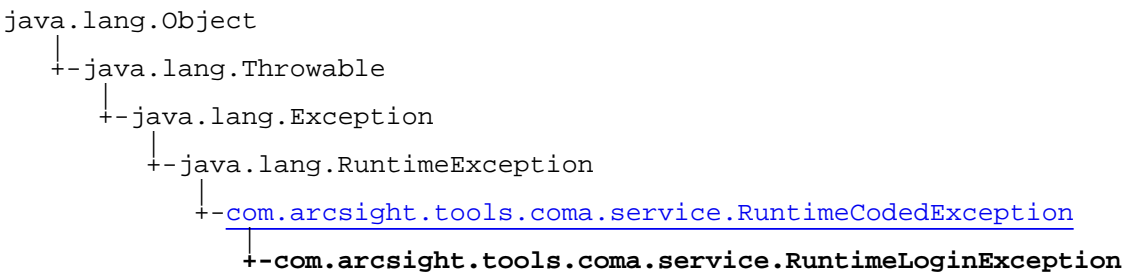
Associates the error code with the exception.

**Parameters:**

`errorCode` - The `errorCode` to set

# com.arcsight.tools.coma.service

## Class RuntimeException



All Implemented Interfaces:  
Serializable

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

## Constructor Summary

public	<a href="#">RuntimeLoginException</a> () Constructs a new runtime exception with <code>null</code> as its detail message.
public	<a href="#">RuntimeLoginException</a> (String message) Constructs a new runtime exception with the specified detail message.
public	<a href="#">RuntimeLoginException</a> (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	<a href="#">RuntimeLoginException</a> (String message, Throwable cause) Constructs a new runtime exception with the specified detail message and cause.
public	<a href="#">RuntimeLoginException</a> (int errorCode)

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

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

### Methods inherited from class `java.lang.Throwable`

`fillInStackTrace`, `getCause`, `getLocalizedMessage`, `getMessage`, `getStackTrace`, `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
```

Base interface for services.

---

## Method Summary

int	<a href="#">getServiceMajorVersion()</a> The major version of this service.
int	<a href="#">getServiceMinorVersion()</a> The minor version of this service.

---

## Methods

### getServiceMajorVersion

```
public int getServiceMajorVersion()
```

The major version of this service.

**Returns:**

The major version of this service.

---

### getServiceMinorVersion

```
public 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](#)

Base service implementation.

### Constructor Summary

public	<a href="#">ServiceBase()</a>
--------	-------------------------------

### Method Summary

int	<a href="#">getServiceMajorVersion()</a>
int	<a href="#">getServiceMinorVersion()</a>

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	<a href="#">ERROR_UNKNOWN</a> Value: -54188

Constructor Summary	
public	<a href="#">ServiceException</a> () Constructs a new exception with null as its detail message.
public	<a href="#">ServiceException</a> (String message) Constructs a new exception with the specified detail message.
public	<a href="#">ServiceException</a> (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	<a href="#">ServiceException</a> (String message, Throwable cause) Constructs a new exception with the specified detail message and cause.

Method Summary	
static String	<a href="#">buildExceptionStackTraceString</a> (Throwable e) It builds a string for stack trace of an exception.

static <a href="#">ServiceException</a>	<a href="#">createServiceException</a> (Throwable e) It creates an exception which is serializable.
int	<a href="#">getErrorCode</a> () Returns the error code associated with this exception.
void	<a href="#">setErrorCode</a> (int errorCode) Associates the error code with the exception.

#### Methods inherited from class java.lang.Throwable

fillInStackTrace, getCause, getLocalizedMessage, getMessage, getStackTrace, 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	<a href="#">LOGIN_ERROR_FAILURE</a> Indicates login failure. Value: 0
public static final	<a href="#">LOGIN_ERROR_LICENSE_EXPIRED</a> Indicates an expired license. Value: -1
public static final	<a href="#">LOGIN_ERROR_USER_DISABLED</a> Indicates the fact that user account was disabled. Value: -2
public static final	<a href="#">LOGIN_ERROR_USER_NOT_ALLOWED</a> Indicates that the user doesn't have permission to access the component. Value: -5
Fields inherited from class <a href="#">com.arcsight.tools.coma.service.ServiceException</a>	
<a href="#">ERROR_UNKNOWN</a>	

Constructor Summary	
public	<a href="#">ServiceLoginException()</a> Constructs a new exception with <code>null</code> as its detail message.
public	<a href="#">ServiceLoginException(String message)</a> Constructs a new exception with the specified detail message.

public	<a href="#">ServiceLoginException</a> (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	<a href="#">ServiceLoginException</a> (String message, Throwable cause) Constructs a new exception with the specified detail message and cause.
public	<a href="#">ServiceLoginException</a> (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

fillInStackTrace, getCause, getLocalizedMessage, getMessage, getStackTrace, 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)
```

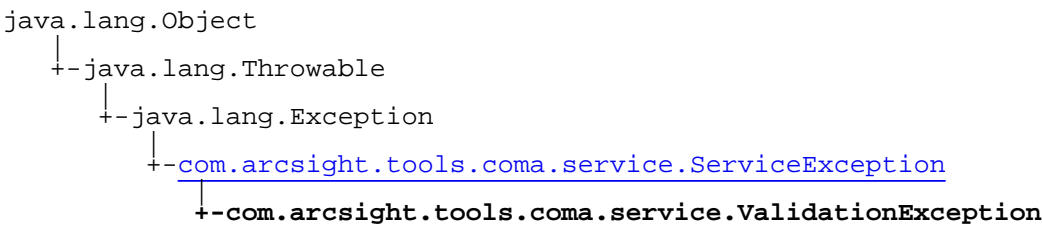
Constructs a new exception with the specified error code

### Parameters:

`errorCode` - error code identifying the exceptional case



# com.arcsight.tools.coma.service Class ValidationException



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 <a href="#">com.arcsight.tools.coma.service.ServiceException</a>
<a href="#">ERROR_UNKNOWN</a>

Constructor Summary	
public	<a href="#">ValidationException()</a> Constructs a new exception with null as its detail message.
public	<a href="#">ValidationException(String message)</a> Constructs a new exception with the specified detail message.
public	<a href="#">ValidationException(String message, Map validationErrors)</a> Constructs a new exception with the specified detail message and a map containing error descriptions.

Method Summary	
String	<a href="#">getLocalizedMessage()</a>
String	<a href="#">getMessage()</a>
Map	<a href="#">getValidationErrors()</a> Returns validationErrors, which is a map of errors found for different items.
void	<a href="#">setValidationErrors(Map validationErrors)</a> Sets the validationErrors.
String	<a href="#">toString()</a>

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

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

Methods inherited from class [java.lang.Throwable](#)

[fillInStackTrace](#), [getCause](#), [getLocalizedMessage](#), [getMessage](#), [getStackTrace](#), [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()
```

---

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