



Micro Focus Security

ArcSight ESM Service Layer

Software Version: 7.0 Patch 1

API Reference Vol. 1: Core-Client Services

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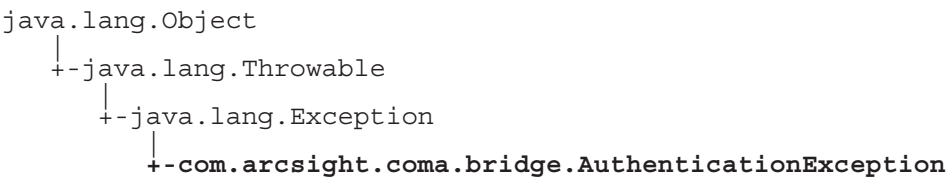
| | |
|---------------------------------------|---|
| Phone | A list of phone numbers is available on the Technical Support Page: https://softwaresupport.softwaregrp.com/support-contact-information |
| Support Web Site | https://softwaresupport.softwaregrp.com/ |
| ArcSight Product Documentation | https://community.softwaregrp.com/t5/ArcSight-Product-Documentation/ctp/productdocs |

Package

com.arcsight.coma.bridge

com.arcsight.coma.bridge

Class AuthenticationException



All Implemented Interfaces:
Serializable

public class **AuthenticationException**
extends Exception

| Constructor Summary | |
|---------------------|---|
| public | AuthenticationException (String message) |
| public | AuthenticationException (String service, String method) |

| Methods inherited from class java.lang.Throwable |
|---|
| 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

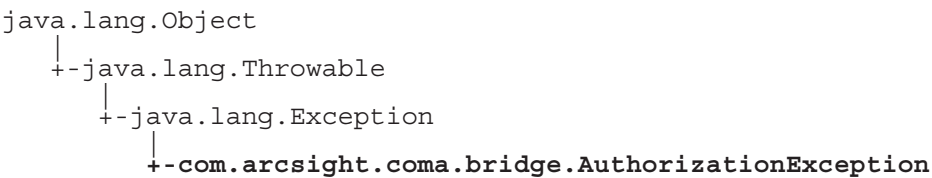
public **AuthenticationException**(String message)

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 | AuthorizationException (String message) |
| public | AuthorizationException (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 | ERROR_UNKNOWN Value: -54188 |
|---------------------|--|

Constructor Summary

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

Method Summary

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

Methods inherited from class `java.lang.Throwable`


```
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 | AuthenticationExceptionBean() |

| Method Summary | |
|----------------|--|
| String | getMessage() |
| void | setMessage(String message) |

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

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 | AuthorizationExceptionBean() |
|--------|--|

Method Summary

| | |
|--------|--|
| String | getMessage() |
| void | setMessage(String message) |

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

Constructors

```
AuthorizationExceptionBean
public AuthorizationExceptionBean()
```

Methods

```
getMessage
public String getMessage()
```

Returns:
returns String

setMessage

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

Parameters:

message - the value for the message property

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

Class GetAllRightsByGroupTypeResponse

java.lang.Object

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

public class **GetAllRightsByGroupTypeResponse**
extends Object

Constructor Summary

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

Method Summary

| | |
|---------|---|
| HashMap | getReturn() |
| void | setReturn (HashMap _return) |

Methods inherited from class java.lang.Object

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

Constructors

GetAllRightsByGroupTypeResponse

public **GetAllRightsByGroupTypeResponse**()

Methods

getReturn

public HashMap **getReturn**()

Returns:

returns HashMap>

setReturn

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

Parameters:

_return - the value for the _return property

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

Class LoginServiceAuthenticate

java.lang.Object

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

public class **LoginServiceAuthenticate**
extends Object

Constructor Summary

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

Method Summary

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

Methods inherited from class java.lang.Object

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

Constructors

LoginServiceAuthenticate

public **LoginServiceAuthenticate**()

Methods

getAuthToken

```
public String getAuthToken()
```

Returns:

returns String

setAuthToken

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

Parameters:

`authToken` - the value for the authToken property

getCred

```
public PasswordCredential getCred()
```

Returns:

returns PasswordCredential

setCred

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

Parameters:

`cred` - the value for the cred property

getAuthContext

```
public AuthContext getAuthContext()
```

Returns:

returns AuthContext

setAuthContext

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

Parameters:

`authContext` - the value for the authContext property

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

java.lang.Object

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

```
public class LoginServiceAuthenticateResponse
extends Object
```

Constructor Summary

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

Method Summary

| | |
|------------------------------|---|
| AuthResponse | getReturn() |
| void | setReturn(AuthResponse _return) |

Methods inherited from class java.lang.Object

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

Constructors

LoginServiceAuthenticateResponse

```
public LoginServiceAuthenticateResponse()
```

Methods

getReturn

```
public AuthResponse getReturn()
```

Returns:

returns AuthResponse

setReturn

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

Parameters:

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

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

java.lang.Object

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

public class **LoginServiceGetAuthenticationMethod**
extends Object

Constructor Summary

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

Method Summary

| | |
|--------|---|
| String | getAuthToken() |
| void | setAuthToken (String authToken) |

Methods inherited from class java.lang.Object

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

Constructors

LoginServiceGetAuthenticationMethod

public **LoginServiceGetAuthenticationMethod**()

Methods

getAuthToken

public String **getAuthToken**()

Returns:

returns String

setAuthToken

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

Parameters:

`authToken` - the value for the authToken property

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

Class LoginServiceGetAuthenticationMethodResponse

```
java.lang.Object
|
+-
com.arcsight.product.core.service.v1.axis2.jaxws.LoginServiceGetAuthenticationMethodResponse
```

```
public class LoginServiceGetAuthenticationMethodResponse
extends Object
```

Constructor Summary

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

Method Summary

| | |
|----------------------------|---|
| AuthMethod | getReturn() |
| void | setReturn (AuthMethod _return) |

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

Constructors

LoginServiceGetAuthenticationMethodResponse

```
public LoginServiceGetAuthenticationMethodResponse()
```

Methods

getReturn

```
public AuthMethod getReturn()
```

Returns:
returns AuthMethod

setReturn

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

Parameters:

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

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

Class LoginServiceGetCurrentUser

```
java.lang.Object
├── com.arcsight.product.core.service.v1.axis2.jaxws.LoginServiceGetCurrentUser
```

```
public class LoginServiceGetCurrentUser
extends Object
```

Constructor Summary

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

Method Summary

| | |
|--------|--|
| String | getAuthToken() |
| void | setAuthToken(String authToken) |

Methods inherited from class java.lang.Object

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

Constructors

LoginServiceGetCurrentUser

```
public LoginServiceGetCurrentUser()
```

Methods

getAuthToken

```
public String getAuthToken()
```

Returns:

returns String

setAuthToken

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

Parameters:

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

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

Class LoginServiceGetCurrentUserResponse

java.lang.Object

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

```
public class LoginServiceGetCurrentUserResponse
extends Object
```

Constructor Summary

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

Method Summary

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

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

Methods inherited from class java.lang.Object

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

Constructors

LoginServiceGetCurrentUserResponse

```
public LoginServiceGetCurrentUserResponse()
```

Methods

getReturn

```
public User getReturn()
```

Returns:

returns User

setReturn

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

Parameters:

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

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

Class LoginServiceGetServiceMajorVersion

java.lang.Object

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

```
public class LoginServiceGetServiceMajorVersion
extends Object
```

Constructor Summary

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

Method Summary

| | |
|--------|---|
| String | getAuthToken() |
| void | setAuthToken (String authToken) |

Methods inherited from class java.lang.Object

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

Constructors

LoginServiceGetServiceMajorVersion

```
public LoginServiceGetServiceMajorVersion()
```

Methods

getAuthToken

```
public String getAuthToken()
```

Returns:

returns String

setAuthToken

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

Parameters:

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

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

Class LoginServiceGetServiceMajorVersionResponse

```
java.lang.Object
|
+-
com.arcsight.product.core.service.v1.axis2.jaxws.LoginServiceGetServiceMajorVersionResponse
```

```
public class LoginServiceGetServiceMajorVersionResponse
extends Object
```

| Constructor Summary | |
|---------------------|--|
| public | LoginServiceGetServiceMajorVersionResponse() |

| Method Summary | |
|----------------|--|
| int | getReturn() |
| void | setReturn(int _return) |

| Methods inherited from class java.lang.Object | |
|---|--|
| equals, getClass, hashCode, notify, notifyAll, toString, wait, wait, wait | |

Constructors

LoginServiceGetServiceMajorVersionResponse

```
public LoginServiceGetServiceMajorVersionResponse()
```

Methods

getReturn

```
public int getReturn()
```

Returns:
returns int

setReturn

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

Parameters:

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

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

Class LoginServiceGetServiceMinorVersion

java.lang.Object

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

public class **LoginServiceGetServiceMinorVersion**
extends Object

Constructor Summary

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

Method Summary

| | |
|--------|---|
| String | getAuthToken() |
| void | setAuthToken (String authToken) |

Methods inherited from class java.lang.Object

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

Constructors

LoginServiceGetServiceMinorVersion

public **LoginServiceGetServiceMinorVersion**()

Methods

getAuthToken

public String **getAuthToken**()

Returns:

returns String

setAuthToken

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

Parameters:

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

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

Class LoginServiceGetServiceMinorVersionResponse

```
java.lang.Object
|
+-
com.arcsight.product.core.service.v1.axis2.jaxws.LoginServiceGetServiceMinorVersionResponse
```

public class LoginServiceGetServiceMinorVersionResponse
extends Object

| Constructor Summary | |
|---------------------|--|
| public | LoginServiceGetServiceMinorVersionResponse() |

| Method Summary | |
|----------------|--|
| int | getReturn() |
| void | setReturn(int _return) |

| Methods inherited from class java.lang.Object | |
|---|--|
| equals, getClass, hashCode, notify, notifyAll, toString, wait, wait, wait | |

Constructors

LoginServiceGetServiceMinorVersionResponse

public LoginServiceGetServiceMinorVersionResponse()

Methods

getReturn

public int **getReturn**()

Returns:
returns int

setReturn

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

Parameters:

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

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

Class LoginServiceGetSession

```
java.lang.Object
├--com.arcsight.product.core.service.v1.axis2.jaxws.LoginServiceGetSession
```

```
public class LoginServiceGetSession
extends Object
```

| Constructor Summary | |
|---------------------|--|
| public | LoginServiceGetSession() |

| Method Summary | |
|----------------|---|
| String | getAuthToken() |
| void | setAuthToken (String authToken) |

| Methods inherited from class java.lang.Object | |
|---|--|
| equals, getClass, hashCode, notify, notifyAll, toString, wait, wait, wait | |

Constructors

LoginServiceGetSession

```
public LoginServiceGetSession()
```

Methods

getAuthToken

```
public String getAuthToken()
```

Returns:
returns String

setAuthToken

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

Parameters:

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

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

java.lang.Object

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

public class LoginServiceGetSessionResponse
extends Object

Constructor Summary

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

Method Summary

| | |
|-------------------------|--|
| Session | getReturn() |
| void | setReturn(Session _return) |

Methods inherited from class java.lang.Object

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

Constructors

LoginServiceGetSessionResponse

public LoginServiceGetSessionResponse()

Methods

getReturn

public [Session](#) getReturn()

Returns:

returns Session

setReturn

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

Parameters:

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

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

Class LoginServiceIsCASAAuth

```
java.lang.Object
├── com.arcsight.product.core.service.v1.axis2.jaxws.LoginServiceIsCASAAuth
```

```
public class LoginServiceIsCASAAuth
extends Object
```

| Constructor Summary | |
|---------------------|--|
| public | LoginServiceIsCASAAuth() |

| Method Summary | |
|----------------|---|
| String | getAuthToken() |
| void | setAuthToken (String authToken) |

| Methods inherited from class java.lang.Object | |
|---|--|
| equals, getClass, hashCode, notify, notifyAll, toString, wait, wait, wait | |

Constructors

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 | LoginServiceIsCASAuthResponse() |
|--------|---|

Method Summary

| | |
|---------|--|
| boolean | isReturn() |
| void | setReturn(boolean _return) |

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 | LoginServiceLogin() |

| Method Summary | |
|----------------|--|
| String | getAuthToken() |
| String | getLogin() |
| String | getPassword() |
| void | setAuthToken(String authToken) |
| void | setLogin(String login) |
| void | setPassword(String password) |

| Methods inherited from class java.lang.Object |
|--|
| <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

LoginServiceLogin

```
public LoginServiceLogin()
```

Methods

getAuthToken

```
public String getAuthToken()
```

Returns:

returns String

setAuthToken

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

Parameters:

authToken - the value for the authToken property

getLogin

```
public String getLogin()
```

Returns:

returns String

setLogin

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

Parameters:

login - the value for the login property

getPassword

```
public String getPassword()
```

Returns:

returns String

setPassword

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

Parameters:

password - the value for the password property

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

Class LoginServiceLoginForOneTimeUse

java.lang.Object

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

public class **LoginServiceLoginForOneTimeUse**
extends Object

Constructor Summary

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

Method Summary

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

Methods inherited from class java.lang.Object

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

Constructors

LoginServiceLoginForOneTimeUse

public **LoginServiceLoginForOneTimeUse**()

Methods

getAuthToken

```
public String getAuthToken()
```

Returns:

returns String

setAuthToken

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

Parameters:

authToken - the value for the authToken property

getLogin

```
public String getLogin()
```

Returns:

returns String

setLogin

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

Parameters:

login - the value for the login property

getPassword

```
public String getPassword()
```

Returns:

returns String

setPassword

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

Parameters:

password - the value for the password property

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

java.lang.Object



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

```
public class LoginServiceLoginForOneTimeUseResponse
extends Object
```

Constructor Summary

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

Method Summary

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

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

Methods inherited from class java.lang.Object

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

Constructors

LoginServiceLoginForOneTimeUseResponse

```
public LoginServiceLoginForOneTimeUseResponse()
```

Methods

getReturn

```
public String getReturn()
```

Returns:

returns String

setReturn

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

Parameters:

_return - the value for the _return property

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

Class LoginServiceLoginResponse

```
java.lang.Object
├── com.arcsight.product.core.service.v1.axis2.jaxws.LoginServiceLoginResponse
```

```
public class LoginServiceLoginResponse
extends Object
```

Constructor Summary

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

Method Summary

| | |
|--------|---|
| String | getReturn() |
| void | setReturn(String _return) |

Methods inherited from class java.lang.Object

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

Constructors

LoginServiceLoginResponse

```
public LoginServiceLoginResponse()
```

Methods

getReturn

```
public String getReturn()
```

Returns:
returns String

setReturn

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

Parameters:

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

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

Class LoginServiceLogout

java.lang.Object

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

```
public class LoginServiceLogout
extends Object
```

Constructor Summary

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

Method Summary

| | |
|--------|--|
| String | getAuthToken() |
| void | setAuthToken(String authToken) |

Methods inherited from class java.lang.Object

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

Constructors

LoginServiceLogout

```
public LoginServiceLogout()
```

Methods

getAuthToken

```
public String getAuthToken()
```

Returns:

returns String

setAuthToken

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

Parameters:

`authToken` - the value for the authToken property

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

Class LoginServiceLogoutResponse

```
java.lang.Object
├--com.arcsight.product.core.service.v1.axis2.jaxws.LoginServiceLogoutResponse
```

```
public class LoginServiceLogoutResponse
extends Object
```

| Constructor Summary | |
|---------------------|--|
| public | LoginServiceLogoutResponse() |

| Method Summary | |
|----------------|---|
| Void | getReturn() |
| void | setReturn(Void _return) |

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

Constructors

LoginServiceLogoutResponse

```
public LoginServiceLogoutResponse()
```

Methods

getReturn

```
public Void getReturn()
```

Returns:
returns Void

setReturn

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

Parameters:

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

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

Class LoginServiceResetPassword

```
java.lang.Object
├── com.arcsight.product.core.service.v1.axis2.jaxws.LoginServiceResetPassword
```

```
public class LoginServiceResetPassword
extends Object
```

| Constructor Summary | |
|---------------------|---|
| public | LoginServiceResetPassword() |

| Method Summary | |
|----------------|---|
| String | getAuthToken() |
| String | getLogin() |
| void | setAuthToken (String authToken) |
| void | setLogin (String login) |

| Methods inherited from class java.lang.Object |
|--|
| <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

LoginServiceResetPassword

```
public LoginServiceResetPassword()
```

Methods

getAuthToken

```
public String getAuthToken()
```

Returns:

returns String

setAuthToken

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

Parameters:

`authToken` - the value for the authToken property

getLogin

```
public String getLogin()
```

Returns:

returns String

setLogin

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

Parameters:

`login` - the value for the login property

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

Class LoginServiceResetPasswordResponse

```
java.lang.Object
├── com.arcsight.product.core.service.v1.axis2.jaxws.LoginServiceResetPasswordResponse
```

```
public class LoginServiceResetPasswordResponse
extends Object
```

Constructor Summary

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

Method Summary

| | |
|------|---|
| Void | getReturn() |
| void | setReturn(Void _return) |

| |
|---|
| Methods inherited from class java.lang.Object |
| equals, getClass, hashCode, notify, notifyAll, toString, wait, wait, wait |

Constructors

LoginServiceResetPasswordResponse

```
public LoginServiceResetPasswordResponse()
```

Methods

getReturn

```
public Void getReturn()
```

Returns:
returns Void

setReturn

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

Parameters:

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

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

java.lang.Object



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

```
public class LoginServiceSendAuthChallengeResponse
extends Object
```

Constructor Summary

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

Method Summary

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

Methods inherited from class java.lang.Object

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

Constructors

LoginServiceSendAuthChallengeResponse

```
public LoginServiceSendAuthChallengeResponse()
```

Methods

getAuthToken

```
public String getAuthToken()
```

Returns:

returns String

setAuthToken

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

Parameters:

`authToken` - the value for the authToken property

getChallengeId

```
public int getChallengeId()
```

Returns:

returns int

setChallengeId

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

Parameters:

`challengeId` - the value for the challengeId property

getResp

```
public String getResp()
```

Returns:

returns String

setResp

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

Parameters:

`resp` - the value for the resp property

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

Class LoginServiceSendAuthChallengeResponseResponse

```
java.lang.Object
|
+-
com.arcsight.product.core.service.v1.axis2.jaxws.LoginServiceSendAuthChallengeResponseResponse
```

public class LoginServiceSendAuthChallengeResponseResponse
extends Object

| Constructor Summary | |
|---------------------|---|
| public | LoginServiceSendAuthChallengeResponseResponse() |

| Method Summary | |
|------------------------------|---|
| AuthResponse | getReturn() |
| void | setReturn (AuthResponse _return) |

| Methods inherited from class java.lang.Object | |
|---|--|
| equals, getClass, hashCode, notify, notifyAll, toString, wait, wait, wait | |

Constructors

LoginServiceSendAuthChallengeResponseResponse
public LoginServiceSendAuthChallengeResponseResponse()

Methods

getReturn
public [AuthResponse](#) getReturn()

Returns:
returns AuthResponse

setReturn

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

Parameters:

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

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

Class ModelLoader

```
java.lang.Object
|
+-com.arcsight.product.core.service.v1.axis2.jaxws.ModelLoader
```

```
public final class ModelLoader
extends Object
```

| Constructor Summary | |
|---------------------|-------------------------------|
| public | ModelLoader() |

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

Constructors

ModelLoader

```
public ModelLoader()
```

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

Class ObjectFactory

```
java.lang.Object
└─com.arcsight.product.core.service.v1.axis2.jaxws.ObjectFactory
```

```
public final class ObjectFactory
extends Object
```

Constructor Summary

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

Methods inherited from class java.lang.Object

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

Constructors

ObjectFactory

```
public ObjectFactory()
```

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

Class ServiceExceptionBean

```
java.lang.Object
|
+-com.arcsight.product.core.service.v1.axis2.jaxws.ServiceExceptionBean
```

```
public class ServiceExceptionBean
extends Object
```

This class was generated by the JAX-WS RI. JAX-WS RI 2.1.5-b03- Generated source version: 2.1.5

| Constructor Summary | |
|---------------------|--|
| public | ServiceExceptionBean() |

| Method Summary | |
|----------------|---|
| int | getErrorCode() |
| String | getMessage() |
| void | setErrorCode(int errorCode) |
| void | setMessage(String message) |

| Methods inherited from class java.lang.Object |
|--|
| <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.mode
l**

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 | AuthContext() Constructor |
|--------|--|

Method Summary

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

| |
|---|
| Methods inherited from class java.lang.Object |
| equals, getClass, hashCode, notify, notifyAll, toString, wait, wait, wait |

Constructors

AuthContext

```
public AuthContext()
    Constructor
```

Methods

getFallback

```
public Boolean getFallback()
    Tests whether this authContext is fallen back or not.

    Returns:
        True if this authContext is fallen back.
```

setFallback

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

Sets whether this authContext is fallen back.

Parameters:

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

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

Class AuthMethod

java.lang.Object

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

```
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 | BUILTIN |
| public static final | PKI |
| public static final | PKI_AND_LOCAL_PASSWORD |
| public static final | PKI_WITH_PASSWORD_BACKUP |
| public static final | RADIUS |
| public static final | RADIUS_WITH_PASSWORD_BACKUP |

Constructor Summary

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

Method Summary

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

| | |
|------|--|
| void | setLocalPassword (boolean localPassword) Sets whether this AuthMethod has local password. |
|------|--|

| |
|---|
| Methods inherited from class java.lang.Object |
| equals, getClass, hashCode, notify, notifyAll, toString, wait, wait, wait |

Fields

BUILTIN

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

PKI

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

RADIUS

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

PKI_AND_LOCAL_PASSWORD

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

PKI_WITH_PASSWORD_BACKUP

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

RADIUS_WITH_PASSWORD_BACKUP

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

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

Method Summary

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

Methods inherited from class java.lang.Object

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

Constructors

AuthResponse

```
public AuthResponse()
```

Constructor

AuthResponse

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

Constructor

Parameters:

`authToken` - The string value of authToken.

Methods

getAuthToken

```
public String getAuthToken()
```

Gets the string value of authToken.

Returns:

The string value of authToken.

setAuthToken

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

Sets the string value of authToken.

Parameters:

`authToken` - the string value authToken to set

getUser

```
public User getUser()
```

Returns the user being authenticated.

Returns:

User being authenticated.

setUser

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

Sets the user being authenticated.

Parameters:

`user` - The user being authenticated.

isPasswordExpiring

```
public boolean isPasswordExpiring()
```

Notifies user that password is expiring soon.

Returns:

True if password is expiring soon.

setPasswordExpiring

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

Sets whether password is expiring soon.

Parameters:

passwordExpiring - If true, password is expiring soon.

isPasswordChangeRequired

```
public boolean isPasswordChangeRequired()
```

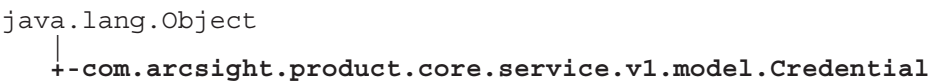
Gets whether or not the user must change their password.

Returns:

True if the user must change their password.

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

Class Credential



Direct Known Subclasses:
[PasswordCredential](#)

public class **Credential**
extends Object

Constructor Summary

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

Method Summary

| | |
|--------|--|
| String | getUserName() |
| void | setUserName(String userName) |

| |
|--|
| 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 | Group() |
|--------|-------------------------|

Method Summary

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

| | |
|------|---|
| void | setType (GroupType type) |
| void | setUserIds (Long[] userIds) |

| | |
|--|--|
| Methods inherited from class <code>java.lang.Object</code> | |
| <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

Group

```
public Group()
```

Methods

getId

```
public long getId()
```

getRightIds

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

setRightIds

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

getUserIds

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

setUserIds

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

setId

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

getType

```
public GroupType getType()
```

setType

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

getName

```
public String getName()
```

setName

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

getDescription

```
public String getDescription()
```

setDescription

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

getIsDefault

```
public boolean getIsDefault()
```

setIsDefault

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

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

Class GroupType

```
java.lang.Object
|
+-java.lang.Enum
|
+-com.arcsight.product.core.service.v1.model.GroupType
```

All Implemented Interfaces:
Serializable, Comparable

public final class **GroupType**
extends Enum

Different types of groups that can be created.

| Field Summary | |
|---------------------|-------------------------------|
| public static final | CONAPP_RIGHTS |
| public static final | LOGGER_REPORT |
| public static final | LOGGER_RIGHTS |
| public static final | LOGGER_SEARCH |
| public static final | SYSTEM_ADMIN |

| Method Summary | |
|------------------------------------|--------------------------------------|
| String | getDbName() |
| static GroupType | valueOf(String name) |
| static GroupType[] | values() |

| Methods inherited from class java.lang.Enum | |
|--|--|
| compareTo, equals, getDeclaringClass, hashCode, name, ordinal, toString, valueOf | |

| Methods inherited from class java.lang.Object | |
|---|--|
| equals, getClass, hashCode, notify, notifyAll, toString, wait, wait, wait | |

| Methods inherited from interface java.lang.Comparable | |
|---|--|
|---|--|

compareTo

Fields

SYSTEM_ADMIN

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

LOGGER_RIGHTS

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

LOGGER_REPORT

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

LOGGER_SEARCH

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

CONAPP_RIGHTS

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

Methods

values

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

valueOf

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

getDbName

```
public String getDbName()
```

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

Class LoginCookieType



All Implemented Interfaces:
Serializable, Comparable

public final class LoginCookieType
extends Enum

| Field Summary | |
|---------------------|--------------------------|
| public static final | ESM |
| public static final | PLATFORM |

| Method Summary | |
|---|---------------------------------------|
| static LoginCookieType | valueOf (String name) |
| static LoginCookieType[] | values () |

| Methods inherited from class java.lang.Enum | |
|--|--|
| compareTo, equals, getDeclaringClass, hashCode, name, ordinal, toString, valueOf | |

| Methods inherited from class java.lang.Object | |
|---|--|
| equals, getClass, hashCode, notify, notifyAll, toString, wait, wait, wait | |

| Methods inherited from interface java.lang.Comparable | |
|---|--|
| compareTo | |

Fields

ESM

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

PLATFORM

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

Methods

values

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

valueOf

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


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

Class PasswordComplexityRequirement



All Implemented Interfaces:
Serializable, Comparable

public final class PasswordComplexityRequirement
extends Enum

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

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

| Method Summary | |
|---|---------------------------------------|
| static PasswordComplexityRequirement | valueOf (String name) |
| static PasswordComplexityRequirement[] | values () |

| Methods inherited from class java.lang.Enum | |
|--|--|
| compareTo, equals, getDeclaringClass, hashCode, name, ordinal, toString, valueOf | |

Methods inherited from class `java.lang.Object`

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

Methods inherited from interface `java.lang.Comparable`

`compareTo`

Fields

MINIMUM_LENGTH

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

is the password at least a minimum length ...

MAXIMUM_LENGTH

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

... at most a maximum length ...

MINIMUM_NUMERIC

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

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

MINIMUM_UPPER_CASE

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

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

MINIMUM_LOWER_CASE

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

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

MINIMUM_SPECIAL_CHARACTERS

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

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

MINIMUM_DIFFERENCE

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

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

Methods

values

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

valueOf

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

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

```
java.lang.Object
|
+-com.arcsight.product.core.service.v1.model.Credential
|
+-com.arcsight.product.core.service.v1.model.PasswordCredential
```

```
public class PasswordCredential
extends Credential
```

Constructor Summary

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

Method Summary

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

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

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

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

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

Constructors

PasswordCredential

```
public PasswordCredential()

    Constructor.
```

PasswordCredential

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

Constructor.

Parameters:

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

Methods

getPassword

```
public String getPassword()
```

Gets the password of the login user.

Returns:

the password

setPassword

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

Sets the password for the login user.

Parameters:

`password` - The password to set.

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

Class PasswordRequirement

```
java.lang.Object
├── com.arcsight.product.core.service.v1.model.PasswordRequirement
```

```
public class PasswordRequirement
extends Object
```

Requirements for new passwords.

JSON prototype

| Constructor Summary | |
|---------------------|---------------------------------------|
| public | PasswordRequirement() |

| Method Summary | |
|---|---|
| PasswordComplexityRequirement | getRequirement() |
| Integer | getValue() |
| void | setRequirement(PasswordComplexityRequirement requirement) |
| void | setValue(Integer value) |

| Methods inherited from class java.lang.Object |
|--|
| <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 | Right() |

| Method Summary | |
|----------------|--|
| String | getCategory() |
| String | getDescription() |
| long | getId() |
| String | getModule() |
| String | getName() |
| String | getType() |
| void | setCategory(String category) |
| void | setDescription(String description) |
| void | setId(long id) |
| void | setModule(String module) |
| void | setName(String name) |
| void | setType(String type) |

Methods inherited from class java.lang.Object


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

Constructors

Right

```
public Right()
```

Methods

getId

```
public long getId()
```

setId

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

getType

```
public String getType()
```

setType

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

getModule

```
public String getModule()
```

setModule

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

getName

```
public String getName()
```

setName

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

getDescription

```
public String getDescription()
```

setDescription

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

getCategory

```
public String getCategory()
```

setCategory

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

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

Class ScheduledWorkPeriod

```
java.lang.Object
├-com.arcsight.product.core.service.v1.model.ScheduledWorkPeriod
```

```
public class ScheduledWorkPeriod
extends Object
```

Description of scheduled work period.

JSON prototype

| Constructor Summary | |
|---------------------|---------------------------------------|
| public | ScheduledWorkPeriod() |

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

| Methods inherited from class java.lang.Object |
|---|
| equals, getClass, hashCode, notify, notifyAll, toString, wait, wait, wait |

Constructors

ScheduledWorkPeriod

```
public ScheduledWorkPeriod()
```

Methods

getId

```
public Long getId()
```

Get the id.

Returns:
the id

setId

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

Set the id.

Parameters:
id - the id to set

getDayOfWeek

```
public Workday getDayOfWeek()
```

Get the dayOfWeek.

Returns:
the dayOfWeek

setDayOfWeek

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

Set the dayOfWeek.

Parameters:
dayOfWeek - the dayOfWeek to set

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 | Session() |
|--------|---------------------------|

Method Summary

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

Methods inherited from class java.lang.Object

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

Constructors

Session

```
public Session()
```

Methods

getAuthToken

```
public String getAuthToken()
```

Gets the string value of authToken.

Returns:

The string value of authToken.

setAuthToken

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

Sets the string value of authToken.

Parameters:

`authToken` - The string value of authToken.

getUserId

```
public long getUserId()
```

Gets the ID of the login user in this session.

Returns:

The ID of the login user.

setUserId

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

Sets the ID of the login user in this session.

Parameters:

`userId` - The ID of login user.

getCreationMillis

```
public long getCreationMillis()
```

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

Returns:

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

setCreationMillis

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

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

Parameters:

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

getExpirationMillis

```
public long getExpirationMillis()
```

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

Returns:

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

setExpirationMillis

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

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

Parameters:

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

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

Class Time

java.lang.Object
└─ com.arcsight.product.core.service.v1.model.Time

public class Time
extends Object

DESCRIBE ME

JSON prototype

| Constructor Summary | |
|---------------------|------------------------|
| public | Time() |

| Method Summary | |
|----------------|---|
| int | getHour() Get the hour. |
| int | getMinutes() Get the minutes. |
| void | setHour(int hour) Set the hour. |
| void | setMinutes(int minutes) Set the minutes. |

| Methods inherited from class java.lang.Object |
|---|
| equals, getClass, hashCode, notify, notifyAll, toString, wait, wait, wait |

Constructors

Time
public Time()

Methods

getHour

```
public int getHour()
```

Get the hour.

Returns:
the hour

setHour

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

Set the hour.

Parameters:
hour - the hour to set

getMinutes

```
public int getMinutes()
```

Get the minutes.

Returns:
the minutes

setMinutes

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

Set the minutes.

Parameters:
minutes - the minutes to set

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

Class User

java.lang.Object

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

public class **User**
extends Object

DESCRIBE ME

JSON prototype

Constructor Summary

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

Method Summary

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

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

| | |
|------|---|
| void | <code>setLocked</code> (boolean locked) Sets whether this user is locked. |
| void | <code>setLogin</code> (String login) Sets the login name of this user. |
| void | <code>setMustChangePassword</code> (boolean mustChangePassword) Sets whether the password is required to change. |
| void | <code>setNotes</code> (String notes) Sets the notes of this user. |
| void | <code>setPagerNumber</code> (String pagerNumber) Sets the pager number of this user. |
| void | <code>setPassword</code> (String password) Sets the password of this user. |
| void | <code>setPhone</code> (String phone) Sets the phone number of this user. |
| void | <code>setScheduledWorkPeriods</code> (List scheduledWorkPeriods) Set the list of scheduled work periods. |
| void | <code>setTitle</code> (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 | Friday |
| public static final | Monday |
| public static final | Saturday |
| public static final | Sunday |
| public static final | Thursday |
| public static final | Tuesday |
| public static final | Wednesday |

| Method Summary | |
|----------------------------------|---------------------------------------|
| static Workday | valueOf (String name) |
| static Workday[] | values () |

| Methods inherited from class java.lang.Enum |
|--|
| compareTo, equals, getDeclaringClass, hashCode, name, ordinal, toString, valueOf |

| Methods inherited from class java.lang.Object |
|---|
| equals, getClass, hashCode, notify, notifyAll, toString, wait, wait, wait |

| Methods inherited from interface java.lang.Comparable |
|---|
|---|

compareTo

Fields

Sunday

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

Monday

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

Tuesday

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

Wednesday

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

Thursday

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

Friday

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

Saturday

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

Methods

values

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

valueOf

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

Package

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

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

Class HashMapOfRightListResponse



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

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

Constructor Summary

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

Methods inherited from class java.lang.Object

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

Constructors

HashMapOfRightListResponse

```
public HashMapOfRightListResponse()
```

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

Class ObjectFactory

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

public final class **ObjectFactory**
extends Object

| Constructor Summary | |
|---------------------|---------------------------------|
| public | ObjectFactory() |

| Methods inherited from class java.lang.Object |
|---|
| equals, getClass, hashCode, notify, notifyAll, toString, wait, wait, wait |

Constructors

ObjectFactory
public **ObjectFactory**()

Package

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

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

```
java.lang.Object
|
+-com.arcsight.product.core.service.v1.rest.LoginServiceImpl
```

```
public class LoginServiceImpl
extends Object
```

Implementation of the login service interface.

| Constructor Summary | |
|---|--|
| public | LoginServiceImpl() |
| Method Summary | |
| LoginServiceAuthenticateResponse | authenticate(LoginServiceAuthenticate value) Authenticates the user with the given credentials. |
| LoginServiceGetAuthenticationMethodResponse | getAuthenticationMethod(HttpHeaders hh) Gets the method that applications should use to authenticate users. |
| LoginServiceGetAuthenticationMethodResponse | getAuthenticationMethodPost(HttpHeaders hh) Gets the method that applications should use to authenticate users. |
| LoginServiceGetCurrentUserResponse | getCurrentUser(LoginServiceGetCurrentUser value) Returns the login user for the current session. |
| LoginServiceGetCurrentUserResponse | getCurrentUser(String authToken, HttpHeaders hh) Returns the login user for the current session. |
| LoginServiceGetCurrentUserResponse | getCurrentUserPost(String authToken, HttpHeaders hh) Returns the login user for the current session. |
| LoginServiceGetServiceMajorVersionResponse | getServiceMajorVersion(LoginServiceGetServiceMajorVersion value) The major version of this service. |
| LoginServiceGetServiceMajorVersionResponse | getServiceMajorVersion(String authToken, HttpHeaders hh) The major version of this service. |
| LoginServiceGetServiceMajorVersionResponse | getServiceMajorVersionPost(String authToken, HttpHeaders hh) The major version of this service. |
| LoginServiceGetServiceMinorVersionResponse | getServiceMinorVersion(LoginServiceGetServiceMinorVersion value) The minor version of this service. |
| LoginServiceGetServiceMinorVersionResponse | getServiceMinorVersion(String authToken, HttpHeaders hh) The minor version of this service. |

| | |
|--|---|
| LoginServiceGetServiceMinorVersionResponse | getServiceMinorVersionPost (String authToken, HttpHeaders hh) The minor version of this service. |
| LoginServiceGetSessionResponse | getSession (LoginServiceGetSession value) Returns the current session. |
| LoginServiceGetSessionResponse | getSession (String authToken, HttpHeaders hh) Returns the current session. |
| LoginServiceGetSessionResponse | getSessionPost (String authToken, HttpHeaders hh) Returns the current session. |
| LoginServiceIsCASAAuthResponse | isCASAAuth (HttpHeaders hh) Deprecated. Not implemented |
| LoginServiceIsCASAAuthResponse | isCASAAuthPost (HttpHeaders hh) Deprecated. Not implemented |
| LoginServiceLoginResponse | login (LoginServiceLogin value) Establishes a session using the specified login and password, and gets the string value of the auth-token which is valid throughout the life of the session. |
| LoginServiceLoginResponse | login (String login, String password, HttpHeaders hh) Establishes a session using the specified login and password, and gets the string value of the auth-token which is valid throughout the life of the session. |
| LoginServiceLoginForOneTimeUseResponse | loginForOneTimeUse (LoginServiceLoginForOneTimeUse value) Establishes a session which can only be used once subsequent to its creation, and gets the string value of auth-token which is valid throughout the life of the session. |
| LoginServiceLoginForOneTimeUseResponse | loginForOneTimeUse (String login, String password, HttpHeaders hh) Establishes a session which can only be used once subsequent to its creation, and gets the string value of auth-token which is valid throughout the life of the session. |
| LoginServiceLoginForOneTimeUseResponse | loginForOneTimeUsePost (String login, String password, HttpHeaders hh) Establishes a session which can only be used once subsequent to its creation, and gets the string value of auth-token which is valid throughout the life of the session. |
| LoginServiceLoginResponse | loginPost (String login, String password, HttpHeaders hh) Establishes a session using the specified login and password, and gets the string value of the auth-token which is valid throughout the life of the session. |
| Void | logout (LoginServiceLogout value) Drops the current session and its bound auth-token. |
| Void | logout (String authToken, HttpHeaders hh) Drops the current session and its bound auth-token. |
| Void | logoutPost (String authToken, HttpHeaders hh) Drops the current session and its bound auth-token. |
| Void | resetPassword (LoginServiceResetPassword value) Resets the password for the user specified by the login userName. |
| Void | resetPassword (String login, HttpHeaders hh) Resets the password for the user specified by the login userName. |

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

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

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: https://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: https://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: https://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: https://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: https://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: https://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. If there is no User associated with the current session this method returns null.

Parameters:

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

Returns:

The login user for the current session or null

Throws:

[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: https://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. If there is no User associated with the current session this method returns null.

Parameters:

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

Returns:

The login user for the current session or null

Throws:

[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: https://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. If there is no User associated with the current session this method returns null.

Parameters:

value - Model object containing request body

Returns:

The login user for the current session or null

Throws:

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

See Also:

POST

```
Consumes({"application/xml","text/xml","application/json"})
URL: https://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: https://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: https://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: https://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: https://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: https://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: <https://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: https://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: https://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: https://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 a [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: https://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: https://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: https://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: <https://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: https://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: https://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: https://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: https://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: https://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: https://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: https://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: https://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 | RuntimeCodedException() Constructs a new runtime exception with <code>null</code> as its detail message. |
| public | RuntimeCodedException(String message) Constructs a new runtime exception with the specified detail message. |
| public | RuntimeCodedException(Throwable cause) Constructs a new runtime exception with the specified cause and a detail message of <code>(cause==null ? null : cause.toString())</code> (which typically contains the class and detail message of cause). |
| public | RuntimeCodedException(String message, Throwable cause) Constructs a new runtime exception with the specified detail message and cause. |
| public | RuntimeCodedException(int errorCode) Constructs a new exception with the specified error code |

Method Summary

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

Methods inherited from class `java.lang.Throwable`


```
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

```
java.lang.Object
|
+-java.lang.Throwable
|
+-java.lang.Exception
|
+-java.lang.RuntimeException
|
+-com.arcsight.tools.coma.service.RuntimeCodedException
|
+-com.arcsight.tools.coma.service.RuntimeLoginException
```

All Implemented Interfaces:
Serializable

public class **RuntimeLoginException**
extends [RuntimeCodedException](#)

Exception thrown for authentication issues. It doesn't necessarily means failure. The exception could indicate a request for additional information (challenge).
This is internal exception not returned by API calls. To report related exceptional cases to the clients API converts this exception to [ServiceLoginException](#)

Field Summary

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

Constructor Summary

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

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

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

Methods inherited from class `java.lang.Throwable`

`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 | getServiceMajorVersion() The major version of this service. |
| | int | getServiceMinorVersion() 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 | ServiceBase() |
|--------|-------------------------------|

Method Summary

| | |
|-----|--|
| int | getServiceMajorVersion() |
| int | getServiceMinorVersion() |

Methods inherited from class `java.lang.Object`

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

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

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

Constructors

ServiceBase

public **ServiceBase()**

Methods

getServiceMajorVersion

```
public int getServiceMajorVersion()
```

getServiceMinorVersion

```
public int getServiceMinorVersion()
```

com.arcsight.tools.coma.service Class ServiceException

```
java.lang.Object
|
+-java.lang.Throwable
|
+-java.lang.Exception
|
+-com.arcsight.tools.coma.service.ServiceException
```

All Implemented Interfaces:
Serializable, Serializable

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

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

This is exception for kahuna/coma service. There are several reasons to have special exception impl: 1. Make it serializable so all service binding can marshal it 2. Due to the known GWT marshaling issue, parent message can not be marshaled we have to duplicated parent instance variables in this class.

| Field Summary | |
|---------------------|--|
| public static final | ERROR_UNKNOWN Value: -54188 |

| Constructor Summary | |
|---------------------|---|
| public | ServiceException () Constructs a new exception with null as its detail message. |
| public | ServiceException (String message) Constructs a new exception with the specified detail message. |
| public | ServiceException (Throwable cause) Constructs a new exception with the specified cause and a detail message of (cause==null ? null : cause.toString()) (which typically contains the class and detail message of cause). |
| public | ServiceException (String message, Throwable cause) Constructs a new exception with the specified detail message and cause. |

| Method Summary | |
|----------------|---|
| static String | buildExceptionStackTraceString (Throwable e) It builds a string for stack trace of an exception. |

| | |
|--|--|
| static ServiceException | createServiceException (Throwable e) It creates an exception which is serializable. |
| int | getErrorCode () Returns the error code associated with this exception. |
| void | setErrorCode (int errorCode) Associates the error code with the exception. |

Methods inherited from class java.lang.Throwable

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 | LOGIN_ERROR_FAILURE Indicates login failure. Value: 0 |
| public static final | LOGIN_ERROR_LICENSE_EXPIRED Indicates an expired license. Value: -1 |
| public static final | LOGIN_ERROR_USER_DISABLED Indicates the fact that user account was disabled. Value: -2 |
| public static final | LOGIN_ERROR_USER_NOT_ALLOWED Indicates that the user doesn't have permission to access the component. Value: -5 |
| Fields inherited from class com.arcsight.tools.coma.service.ServiceException | |
| ERROR_UNKNOWN | |
| Constructor Summary | |
| public | ServiceLoginException() Constructs a new exception with null as its detail message. |
| public | ServiceLoginException(String message) Constructs a new exception with the specified detail message. |

| | |
|--------|--|
| public | ServiceLoginException (Throwable cause) Constructs a new exception with the specified cause and a detail message of (cause==null ? null : cause.toString()) (which typically contains the class and detail message of cause). |
| public | ServiceLoginException (String message, Throwable cause) Constructs a new exception with the specified detail message and cause. |
| public | ServiceLoginException (int errorCode) Constructs a new exception with the specified error code |

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

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

Methods inherited from class java.lang.Throwable

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

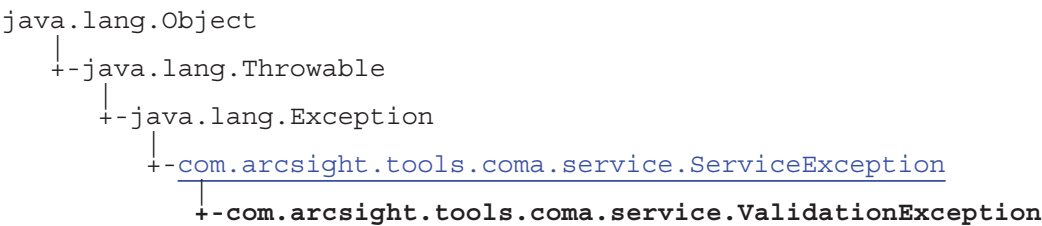
```
public ServiceLoginException(int errorCode)
```

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 com.arcsight.tools.coma.service.ServiceException |
| ERROR_UNKNOWN |

| Constructor Summary | |
|---------------------|--|
| public | ValidationException() Constructs a new exception with null as its detail message. |
| public | ValidationException(String message) Constructs a new exception with the specified detail message. |
| public | ValidationException(String message, Map validationErrors) Constructs a new exception with the specified detail message and a map containing error descriptions. |

| Method Summary | |
|----------------|--|
| String | getLocalizedMessage() |
| String | getMessage() |
| Map | getValidationErrors() Returns validationErrors, which is a map of errors found for different items. |
| void | setValidationErrors(Map validationErrors) Sets the validationErrors. |
| String | toString() |

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 ()
```