Reference

/ OpenAM 13.5

Latest update: 13.5.2

David Goldsmith
Gene Hirayama
Chris Lee

ForgeRock AS
201 Mission St, Suite 2900
San Francisco, CA 94105, USA
+1 415-599-1100 (US)
www.forgerock.com

Copyright © 2011-2018 ForgeRock AS.

Abstract

Reference documentation for OpenAM. OpenAM provides open source Authentication, Authorization, Entitlement and Federation software.

This work is licensed under the Creative Commons Attribution-NonCommercial-NoDerivs 3.0 Unported License.

To view a copy of this license, visit https://creativecommons.org/licenses/by-nc-nd/3.0/ or send a letter to Creative Commons, 444 Castro Street, Suite 900, Mountain View, California, 94041, USA.

ForgeRock® and ForgeRock Identity Platform™ are trademarks of ForgeRock Inc. or its subsidiaries in the U.S. and in other countries. Trademarks are the property of their respective owners.

UNLESS OTHERWISE MUTUALLY AGREED BY THE PARTIES IN WRITING, LICENSOR OFFERS THE WORK AS-IS AND MAKES NO REPRESENTATIONS OR WARRANTIES OF ANY KIND CONCERNING THE WORK, EXPRESS, IMPLIED, STATUTORY OR OTHERWISE, INCLUDING, WITHOUT LIMITATION, WARRANTIES OF TITLE, MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE, NONINFRINGEMENT, OR THE ABSENCE OF LATENT OR OTHER DEFECTS, ACCURACY, OR THE PRESENCE OF ABSENCE OF ERRORS, WHETHER OR NOT DISCOVERABLE. SOME JURISDICTIONS DO NOT ALLOW THE EXCLUSION OF IMPLIED WARRANTIES, SO SUCH EXCLUSION MAY NOT APPLY TO YOU.

EXCEPT TO THE EXTENT REQUIRED BY APPLICABLE LAW, IN NO EVENT WILL LICENSOR BE LIABLE TO YOU ON ANY LEGAL THEORY FOR ANY SPECIAL, INCIDENTAL, CONSEQUENTIAL, PUNITIVE OR EXEMPLARY DAMAGES ARISING OUT OF THIS LICENSE OR THE USE OF THE WORK, EVEN IF LICENSOR HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

DejaVu Fonts

Bitstream Vera Fonts Copyright

Copyright (c) 2003 by Bitstream, Inc. All Rights Reserved. Bitstream Vera is a trademark of Bitstream, Inc.

Permission is hereby granted, free of charge, to any person obtaining a copy of the fonts accompanying this license ("Fonts") and associated documentation files (the "Font Software"), to reproduce and distribute the Font Software, including without limitation the rights to use, copy, merge, publish, distribute, and/or sell copies of the Font Software, and to permit persons to whom the Font Software is furnished to do so, subject to the following conditions:

The above copyright and trademark notices and this permission notice shall be included in all copies of one or more of the Font Software typefaces.

The Font Software may be modified, altered, or added to, and in particular the designs of glyphs or characters in the Fonts may be modified and additional glyphs or characters may be added to the Fonts, only if the fonts are renamed to names not containing either the words "Bitstream" or the word "Vera".

This License becomes null and void to the extent applicable to Fonts or Font Software that has been modified and is distributed under the "Bitstream Vera" names.

The Font Software may be sold as part of a larger software package but no copy of one or more of the Font Software typefaces may be sold by itself.

THE FONT SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO ANY WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT OF COPYRIGHT, PATENT, TRADEMARK, OR OTHER RIGHT. IN NO EVENT SHALL BITSTREAM OR THE GNOME FOUNDATION BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY, INCLUDING ANY GENERAL, SPECIAL, INDIRECT, INCIDENTAL, OR CONSEQUENTIAL DAMAGES, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF THE USE OR INABILITY TO USE THE FONT SOFTWARE OR FROM OTHER DEALINGS IN THE FONT SOFTWARE.

Except as contained in this notice, the names of Gnome, the Gnome Foundation, and Bitstream Inc., shall not be used in advertising or otherwise to promote the sale, use or other dealings in this Font Software without prior written authorization from the Gnome Foundation or Bitstream Inc., respectively. For further information, contact: fonts at gnome dot org.

Arev Fonts Copyright

Copyright (c) 2006 by Tavmjong Bah. All Rights Reserved.

Permission is hereby granted, free of charge, to any person obtaining a copy of the fonts accompanying this license ("Fonts") and associated documentation files (the "Font Software"), to reproduce and distribute the modifications to the Bitstream Vera Font Software, including without limitation the rights to use, copy, merge, publish, distribute, and/or sell copies of the Font Software, and to permit persons to whom the Font Software is furnished to do so, subject to the following conditions:

The above copyright and trademark notices and this permission notice shall be included in all copies of one or more of the Font Software typefaces.

The Font Software may be modified, altered, or added to, and in particular the designs of glyphs or characters in the Fonts may be modified and additional glyphs or characters may be added to the Fonts, only if the fonts are renamed to names not containing either the words "Tavmjong Bah" or the word "Arev".

This License becomes null and void to the extent applicable to Fonts or Font Software that has been modified and is distributed under the "Tavmjong Bah Arev" names.

The Font Software may be sold as part of a larger software package but no copy of one or more of the Font Software typefaces may be sold by itself.

THE FONT SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO ANY WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT OF COPYRIGHT, PATENT, TRADEMARK, OR OTHER RIGHT. IN NO EVENT SHALL TAVMJONG BAH BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY, INCLUDING ANY GENERAL, SPECIAL, INDIRECT, INCIDENTAL, OR CONSEQUENTIAL DAMAGES, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF THE USE OR INABILITY TO USE THE FONT SOFTWARE OR FROM OTHER DEALINGS IN THE FONT SOFTWARE.

Except as contained in this notice, the name of Tavmjong Bah shall not be used in advertising or otherwise to promote the sale, use or other dealings in this Font Software without prior written authorization from Tavmjong Bah. For further information, contact: tavmjong @ free . fr.

FontAwesome Copyright

Copyright (c) 2017 by Dave Gandy, http://fontawesome.io.

This Font Software is licensed under the SIL Open Font License, Version 1.1. This license is available with a FAQ at: http://scripts.sil.org/OFL

Table of Contents

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

Preface

This reference covers OpenAM tools, log formats, error codes, file layout, ports used, standards supported, locales supported, and configuration file semantics.

1. Who Should Use this Reference

This references is written for access management designers, developers, and administrators using OpenAM tools, logs, and configuration files. For API specifications, see the appropriate Javadoc.

2. Formatting Conventions

Most examples in the documentation are created in GNU/Linux or Mac OS X operating environments. If distinctions are necessary between operating environments, examples are labeled with the operating environment name in parentheses. To avoid repetition file system directory names are often given only in UNIX format as in `/path/to/server`, even if the text applies to `C:\path\to\server` as well.

Absolute path names usually begin with the placeholder `/path/to/`. This path might translate to `/opt/`, `C:\Program Files\`, or somewhere else on your system.

Command-line, terminal sessions are formatted as follows:

```
$ echo $JAVA_HOME
/path/to/jdk
```

Command output is sometimes formatted for narrower, more readable output even though formatting parameters are not shown in the command.

Program listings are formatted as follows:

```
class Test {
    public static void main(String [] args)  {
        System.out.println("This is a program listing.");
    }
}
```

3. Accessing Documentation Online

ForgeRock publishes comprehensive documentation online:

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

- The ForgeRock Knowledge Base offers a large and increasing number of up-to-date, practical articles that help you deploy and manage ForgeRock software.

  While many articles are visible to community members, ForgeRock customers have access to much more, including advanced information for customers using ForgeRock software in a mission-critical capacity.

- ForgeRock product documentation, such as this document, aims to be technically accurate and complete with respect to the software documented. It is visible to everyone and covers all product features and examples of how to use them.

4. Using the ForgeRock.org Site

The ForgeRock.org site has links to source code for ForgeRock open source software, as well as links to the ForgeRock forums and technical blogs.

If you are a *ForgeRock customer*, raise a support ticket instead of using the forums. ForgeRock support professionals will get in touch to help you.

5. Getting Support and Contacting ForgeRock

ForgeRock provides support services, professional services, training through ForgeRock University, and partner services to assist you in setting up and maintaining your deployments. For a general overview of these services, see https://www.forgerock.com.

ForgeRock has staff members around the globe who support our international customers and partners. For details, visit https://www.forgerock.com, or send an email to ForgeRock at info@forgerock.com.

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

OpenAM Command Line Tools

Table of Contents

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

Name

agentadmin — manage OpenAM policy agent installation

Synopsis

`agentadmin` {options}

Description

This command manages OpenAM policy agent installations. The **agentadmin** command requires a Java runtime environment.

Options

The following options are supported.

`--install`

Installs a new Agent instance.

Usage: **agentadmin --install [--useResponse | --saveResponse *file-name*]**

`--useResponse`

Use this option to install in silent mode by specifying all the responses in a response specified by *file-name*. When this option is used the installer runs in non-interactive mode.

`--saveResponse`

Use this option to save all the supplied responses to a response file specified by *file-name*.

`--custom-install`

Installs a new Agent instance

Usage: **agentadmin --custom-install [--useResponse | --saveResponse *file-name*]**

`--useResponse`

Use this option to install in silent mode by specifying all the responses in a response specified by *file-name*. When this option is used the installer runs in non-interactive mode.

`--saveResponse`

Use this option to save all the supplied responses to a response file specified by *file-name*.

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

--acceptLicense

Auto-accepts the software license agreement. If this option is present on the command line with the `--install` or `--custom-install` option, the license agreement prompt is suppressed and the agent install continues. To view the license agreement, open `<server-root>/legal-notices/license.txt`.

--uninstall

Uninstalls an existing Agent instance.

Usage: **agentadmin --uninstall [--useResponse | --saveResponse *file-name*]**

--useResponse

Use this option to install in silent mode by specifying all the responses in a response specified by *file-name*. When this option is used the installer runs in non-interactive mode.

--saveResponse

Use this option to save all the supplied responses to a response file specified by *file-name*.

--version

Displays the version information.

--uninstallAll

Uninstalls all the agent instances.

--migrate

Migrate agent to newer version

--listAgents

Displays details of all the configured agents.

--agentInfo

Displays details of the agent corresponding to the specified *agent-id*.

Example: **agentadmin --agentInfo agent_001**

--encrypt

Encrypts a given string.

Usage: **agentadmin --encrypt *agent-instance password-file***

agent-instance

Agent instance identifier. The encryption functionality requires the use of agent instance specific encryption key present in its configuration file.

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

password-file

File containing the password to encrypt.

`--getEncryptKey`

Generates an agent encryption key.

Examples

The following example installs an Apache HTTP Server 2.2 interactively, where Apache HTTP Server has been installed under `/path/to/apache22`.

```
$ ./agentadmin --install --acceptLicense
..
.
-----------------------------------------------
SUMMARY OF YOUR RESPONSES
-----------------------------------------------
Apache Server Config Directory : /path/to/apache22/conf
OpenSSO server URL : http://openam.example.com:8080/openam
Agent URL : http://www.example.com:80
Agent Profile name : Apache Web Agent
Agent Profile Password file name : /tmp/pwd.txt

...
SUMMARY OF AGENT INSTALLATION
-----------------------------
Agent instance name: Agent_001
Agent Bootstrap file location:
/path/to/web_agents/apache22_agent/Agent_001/config/
 OpenSSOAgentBootstrap.properties
Agent Configuration Tag file location
/path/to/web_agents/apache22_agent/Agent_001/config/
 OpenSSOAgentConfiguration.properties
Agent Audit directory location:
/path/to/web_agents/apache22_agent/Agent_001/logs/audit
Agent Debug directory location:
/path/to/web_agents/apache22_agent/Agent_001/logs/debug


Install log file location:
/path/to/web_agents/apache22_agent/installer-logs/audit/install
.log
...
```


Copyright © 2011-2018 ForgeRock AS. All rights reserved.

Name

ampassword — change passwords for the OpenAM Administrator

Synopsis

`ampassword` {options}

Description

This command allows you to change passwords held in the configuration store, and to encrypt passwords.

Options

The following options are supported.

`-a | --admin [ -o | --old` ***`old-password-file`*** **`-n | --new`** ***`new-password-file`*** **`]`**

Change the password for `amAdmin` from the value stored in *old-password-file* to the value stored in *new-password-file*.

`-p | --proxy [ -o | --old` ***`old-password-file`*** **`-n | --new`** ***`new-password-file`*** **`]`**

Change the password for the proxy administrator from the value stored in *old-password-file* to the value stored in *new-password-file*.

The proxy administrator password is shown encrypted in the output from **ssoadm get-svrcfg-xml**.

`-e | --encrypt [` ***`password-file`*** **`]`**

Display the password value provided encrypted with the key generated during OpenAM installation.

`-h | --help`

Display the usage message.

Examples

The following example encrypts the password contained within a text file.

- Create a text file, for example `$HOME/.pwd.txt`, containing the password string on a single line.
- Encrypt the password by using the **ampassword** command:

```
$ ampassword -e $HOME/.pwd.txt
AQICkZs3qy5QUCXir9tebIEEZYGFXI2lCC4B
```


Copyright © 2011-2018 ForgeRock AS. All rights reserved.

Name

amverifyarchive — check OpenAM log archives for tampering

Synopsis

`amverifyarchive` {options}

Description

This command checks log archive integrity.

Options

The following options are required.

`-l` *`logName`*

Verify log files of the specified type. To specify an individual log rather than a type, provide the entire log file name.

`-p` *`path`*

Path to log files to verify.

`-u` *`userName`*

User who can read log files.

`-w` *`password`*

Password of the user who can read log files.

Examples

The following example checks the `amConsole` logs.

```
$ amverifyarchive \
 -l amConsole \
 -p $HOME/openam/openam/log
 -u amadmin \
 -w password
```


Copyright © 2011-2018 ForgeRock AS. All rights reserved.

Name

configurator.jar — install or upgrade OpenAM using a configuration file

Synopsis

`configurator.jar` {options}

Description

This executable .jar file, openam-configurator-tool-13.5.2.jar, lets you perform silent installation, configuring a deployed OpenAM server by applying settings from a configuration file.

Options

The following options are supported.

`-f | --file` *`configuration-file`*

Configure a deployed OpenAM web application archive using the specified configuration file. Installation and upgrade configuration files are described in the sections below.

`--acceptLicense`

Auto-accept the software license agreement and suppress the display of the licence acceptance screen to the user. If the configuration file contains the `ACCEPT_LICENSES` property, it will have precedence over the command-line option.

`-? | --help`

Display the usage message.

Installation Configuration File

Base your configuration on the `sampleconfiguration` file delivered with OpenAM, and using the hints in this section, or the comments included in the file.

Server Properties

These properties pertain to the OpenAM server instance.

SERVER_URL

URL to the web container where you want OpenAM to run, such as `http://openam.example.com:8080`

DEPLOYMENT_URI

URI where you want to deploy OpenAM on the web container, such as `/openam`

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

BASE_DIR

Configuration directory where OpenAM stores files and embedded configuration directory servers, such as `$HOME/openam`

locale

The user locale, such as `en_GB`

PLATFORM_LOCALE

The locale of the OpenAM server, such as `en_US`

AM_ENC_KEY

The password encryption key, which must be the same on all servers in a multi-server installation, such as `06QWwHPO4os+zEz3Nqn/2daAYWyiFE32`. If left blank, installing OpenAM generates a random password encryption key that you can view in the OpenAM console under Deployment > Servers > *Server Name* > Security.

ADMIN_PWD

Password of the OpenAM administrator user `amadmin`, which must be at least 8 characters in length and must match that of other servers in a multiserver deployment

AMLDAPUSERPASSWD

Password of the default policy agent `UrlAccessAgent`, which must be at least 8 characters in length and must not be the same as the value of `ADMIN_PWD`

COOKIE_DOMAIN

Name of the trusted DNS domain OpenAM returns to a browser when it grants a session ID to a user. By default, it is set to the full URL that was used to access the configurator, such as `example.com`.

ACCEPT_LICENSES

Optional boolean property that can be set to always auto-accept the software license agreement and suppress the display of the license acceptance screen to the user. A value of `true` auto-accepts the license; any other value will be assumed to equal `false`, resulting in the presentation of the license. Default value is `false`. This property takes precedence over the `--acceptLicense` option, which can also be passed in to the application with the openam-configurator-tool-13.5.2.jar file.

Configuration Store Properties

These properties pertain to the directory server where OpenAM stores its configuration.

DATA_STORE

Type of the configuration data store. The value `embedded` means set up OpenAM with an embedded, OpenDJ based configuration store. The value `dirServer` means an external directory server, such

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

as OpenDJ, or Sun Java System Directory Server. If you set this to `dirServer`, and the configuration store contains the configuration of other OpenAM servers, then the server is added to the existing multiserver installation.

DIRECTORY_SSL

To use LDAP without SSL, set this to `SIMPLE`. To use LDAP with SSL, set this to `SSL`.

DIRECTORY_SERVER

Fully qualified domain name of the configuration store directory server host, such as `opendj.example.com`

DIRECTORY_PORT

LDAP or LDAPS port number for the configuration store directory server, such as 389 or 636

DIRECTORY_ADMIN_PORT

Administration port number for the configuration store directory server, such as 4444

DIRECTORY_JMX_PORT

Java Management eXtension port number, such as `1689`, used with the OpenDJ embedded configuration store

ROOT_SUFFIX

Root suffix distinguished name (DN) for the configuration store, such as `o=openam`

DS_DIRMGRDN

Distinguished name of the directory manager of the configuration store, such as `cn=Directory Manager`

DS_DIRMGRPASSWD

Password for the directory manager of the configuration store

User Data Store Properties

These properties pertain to the directory server where OpenAM stores user profiles. If you do not include these properties, or you leave these properties commented out, then OpenAM uses the same directory server as it uses for the configuration store.

USERSTORE_TYPE

The type of directory server used. Valid values include the following.

- `LDAPv3ForOpenDS`: ForgeRock 0penDJ or Sun OpenDS

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

- `LDAPv3ForAD`: Active Directory with host and port settings
- `LDAPv3ForADDC`: Active Directory with a Domain Name setting
- `LDAPv3ForADAM`: Active Directory Application Mode
- `LDAPv3ForODSEE`: Sun Java System Directory Server
- `LDAPv3ForTivoli`: IBM Tivoli Directory Server

USERSTORE_SSL

To use LDAP without SSL, set this to `SIMPLE`. To use LDAP with SSL, set this to `SSL`.

USERSTORE_DOMAINNAME

If `USERSTORE_TYPE` is `LDAPv3ForADDC`, you set this to the Active Directory Domain Name, such as `ad.example.com`, and then set only the `USERSTORE_SSL`, `USERSTORE_MGRDN`, and `USERSTORE_PASSWD` additional parameters. This lets Active Directory use DNS to retrieve service locations. Otherwise, do not use.

USERSTORE_HOST

Fully qualified domain name of the user data store directory server, such as `opendj.example.com`

USERSTORE_PORT

Port number of the user data store. Default for LDAP is 389, and for LDAP over SSL is 636.

USERSTORE_SUFFIX

Root suffix distinguished name for the user data in the directory, such as `dc=example,dc=com`

USERSTORE_MGRDN

Distinguished name of the directory manager of the user data store, such as `cn=Directory Manager`

USERSTORE_PASSWD

Password for the directory manager of the user data store

Site Properties

These properties pertain when you configure multiple OpenAM servers in a site deployment, where a load balancer spreads request across multiple servers. Use the `DS_EMB_REPL*` and `existingserverid` properties only for the second and subsequent servers in a site configuration.

LB_SITE_NAME

The name of the OpenAM site

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

LB_PRIMARY_URL

The load balancer URL for the site, such as `http://lb.example.com:80/openam`.

LB_SESSION_HA_SFO

Whether to enable session persistence and failover for the site. Default: `false`

DS_EMB_REPL_FLAG

Enable use of the embedded configuration store by setting this parameter to `embReplFlag`, only if the `DATA_STORE` parameter is set to `embedded`. Use the other `DS_EMB_REPL*` parameters in this section to set up configuration store data replication.

DS_EMB_REPL_REPLPORT1

Replication port number for the new OpenAM server you are installing, such as 58989

DS_EMB_REPL_HOST2

Host name of an existing OpenAM server housing the configuration store directory server with which to replicate, such as `openam1.example.com`

DS_EMB_REPL_ADMINPORT2

Administration port number for the configuration store directory server used by the existing OpenAM server, such as 4444

DS_EMB_REPL_REPLPORT2

Replication port number for the configuration store directory server used by the existing OpenAM server, such as 50899

existingserverid

Full URL of the existing OpenAM server, such as `http://server1.example.com:8080/openam`

Upgrade Configuration File

Base your configuration on the `sampleconfiguration` file delivered with OpenAM, and using the hints in this section, or the comments included in the file.

Upgrade Properties

SERVER_URL

URL to the web container where OpenAM runs, such as `http://openam.example.com:8080`

DEPLOYMENT_URI

URI where OpenAM is deployed on the web container, such as `/openam`

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

ACCEPT_LICENSES

Optional boolean property that can be set to always auto-accept the software license agreement and suppress displaying the license acceptance screen to the user. A value of `true` auto-accepts the license; any other value will be assumed to equal `false`, resulting in the presentation of the license. Default value is `false`. This property takes precedence over the `--acceptLicense` option, which can also be passed in to the application with the openam-configurator-tool-13.5.2.jar file.

Examples

The following example shows a configuration file to install a server with an external user data store.

```
# Server properties, AM_ENC_KEY="" means generate random key
SERVER_URL=http://openam.example.com:8080
DEPLOYMENT_URI=/openam
BASE_DIR=$HOME/openam
locale=en_US
PLATFORM_LOCALE=en_US
AM_ENC_KEY=
ADMIN_PWD=change3me
AMLDAPUSERPASSWD=secret12
COOKIE_DOMAIN=openam.example.com
ACCEPT_LICENSES=true

# Embedded configuration data store
DATA_STORE=embedded
DIRECTORY_SSL=SIMPLE
DIRECTORY_SERVER=openam.example.com
DIRECTORY_PORT=50389
DIRECTORY_ADMIN_PORT=4444
DIRECTORY_JMX_PORT=1689
ROOT_SUFFIX=o=openam
DS_DIRMGRDN=cn=Directory Manager
DS_DIRMGRPASSWD=chang3me

# External OpenDJ based user data store
USERSTORE_TYPE=LDAPv3ForOpenDS
USERSTORE_SSL=SIMPLE
#USERSTORE_DOMAINNAME=ad.example.com
USERSTORE_HOST=opendj.example.com
USERSTORE_PORT=389
USERSTORE_SUFFIX=dc=example,dc=com
USERSTORE_MGRDN=cn=Directory Manager
USERSTORE_PASSWD=secret12

# Uncomment to specify the site for the first server in a site configuration
#LB_SITE_NAME=lb
#LB_PRIMARY_URL=http://lb.example.com:80/openam
```

The following example shows a configuration file to install the second server in a site configuration.

```
# Server properties, AM_ENC_KEY from first server
SERVER_URL=http://server2.example.com:8080
DEPLOYMENT_URI=/openam
BASE_DIR=$HOME/openam
locale=en_US
```


Copyright © 2011-2018 ForgeRock AS. All rights reserved.

```
PLATFORM_LOCALE=en_US
AM_ENC_KEY=O6QWwHPO4os+zEz3Nqn/2daAYWyiFE32
ADMIN_PWD=change3me
AMLDAPUSERPASSWD=secret12
COOKIE_DOMAIN=openam.example.com
ACCEPT_LICENSES=true

# Embedded configuration data store
DATA_STORE=embedded
DIRECTORY_SSL=SIMPLE
DIRECTORY_SERVER=server2.example.com
DIRECTORY_PORT=50389
DIRECTORY_ADMIN_PORT=4444
DIRECTORY_JMX_PORT=1689
ROOT_SUFFIX=o=openam
DS_DIRMGRDN=cn=Directory Manager
DS_DIRMGRPASSWD=chang3me

# External OpenDJ based user data store
USERSTORE_TYPE=LDAPv3ForOpenDS
USERSTORE_SSL=SIMPLE
#USERSTORE_DOMAINNAME=ad.example.com
USERSTORE_HOST=opendj.example.com
USERSTORE_PORT=389
USERSTORE_SUFFIX=dc=example,dc=com
USERSTORE_MGRDN=cn=Directory Manager
USERSTORE_PASSWD=secret12

# Site properties
LB_SITE_NAME=lb
LB_PRIMARY_URL=http://lb.example.com:80/openam
DS_EMB_REPL_FLAG=embReplFlag
DS_EMB_REPL_REPLPORT1=58989
DS_EMB_REPL_HOST2=server1.example.com
DS_EMB_REPL_ADMINPORT2=4444
DS_EMB_REPL_REPLPORT2=50889
existingserverid=http://server1.example.com:8080/openam
```

The following example shows a configuration file to upgrade an OpenAM server.

```
SERVER_URL=https://openam.example.com:8080
DEPLOYMENT_URI=/openam
ACCEPT_LICENSES=true
```

The following example uses a configuration file with the `--acceptLicense` option on the command line.

```
$ java \
 -jar openam-configurator-tool-13.5.2.jar \
 -f config.file \
 --acceptLicense
```


Copyright © 2011-2018 ForgeRock AS. All rights reserved.

Name

upgrade.jar — upgrade OpenAM using a configuration file

Synopsis

`upgrade.jar` {options}

Description

This executable jar file, openam-upgrade-tool-13.5.2.jar, lets you perform a silent upgrade on a deployed OpenAM server by applying settings from a configuration file or using arguments. This capability allows you to include the `upgrade.jar` from a command line or in an upgrade script.

Options

The following options are supported.

`-f | --file` *`configuration-file`*

Upgrade a deployed OpenAM web application archive using the specified configuration file. Upgrade configuration files are described in the sections below. Also, you can specify the system properties on the command line, instead of using the configuration file. See Example 2 below.

`--acceptLicense`

Auto-accept the software license agreement and suppress the display of the licence acceptance screen to the user. If the configuration file contains the `ACCEPT_LICENSES` property, it will have precedence over the command-line option.

`-? | --help`

Display the usage message.

Upgrade Configuration File

Base your configuration on the `sampleupgrade` file delivered with OpenAM, and using the hints in this section, or the comments included in the file.

Upgrade Properties

SERVER_URL

URL to the web container where OpenAM runs, such as `http://openam.example.com:8080`.

DEPLOYMENT_URI

URI where OpenAM is deployed on the web container, such as `/openam`.

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

ACCEPT_LICENSES

Optional boolean property that can be set to always auto-accept the software license agreement and suppress displaying the license acceptance screen to the user. A value of `true` auto-accepts the license; any other value will be assumed to equal `false`, resulting in the presentation of the license. Default value is `false`. This property takes precedence over the `--acceptLicense` option, which can also be passed in to the application with the openam-upgrade-tool-13.5.2.jar file.

Examples

The following example shows a configuration file and the commands to upgrade a server using the `upgrade.jar`. The configuration file is saved as `/tmp/upgrade.txt`.

```
SERVER_URL=http://openam.example.com:8080
DEPLOYMENT_URI=/openam
ACCEPT_LICENSES=true
```

```
$JAVA_HOME/bin/java -jar ~/openam/tools/openam-upgrade-tool-13.5.2.jar \
 -f /tmp/upgrade.txt
```

The following example shows how to specify system properties with the `upgrade.jar`.

```
SERVER_URL=http://openam.example.com:8080
DEPLOYMENT_URI=/openam
ACCEPT_LICENSES=true
```

```
$JAVA_HOME/bin/java -jar ~/openam/tools/openam-upgrade-tool-13.5.2.jar \
 -DSERVER_URL=http://openam.example.com:8080 -DDEPLOYMENT_URI=/openam
```

The following example shows the use of the `--acceptLicense` option with the `upgrade.jar`.

```
SERVER_URL=http://openam.example.com:8080
DEPLOYMENT_URI=/openam
```

```
$JAVA_HOME/bin/java -jar ~/openam/tools/openam-upgrade-tool-13.5.2.jar \
 -DSERVER_URL=http://openam.example.com:8080 -DDEPLOYMENT_URI=/openam \
 --acceptLicense
```


Copyright © 2011-2018 ForgeRock AS. All rights reserved.

Name

ssoadm — configure OpenAM core services

Synopsis

`ssoadm` [*subcommand*] [options]

Description

The **ssoadm** command provides a rich command-line interface for configuring OpenAM core services.

Also see the *Installation Guide* procedure, *To Set Up Administration Tools* in the *Installation Guide* for instructions on setting up the **ssoadm** command.

Global Options

The following global options are supported.

`--debug, -d`

Run in debug mode. Results sent to the debug file.

`--help, -?`

Print usage.

This command can also be used with subcommands as in **ssoadm *subcommand* --help**.

`--information, -O`

Print basic information about the tool.

`--locale, -l`

Name of the locale to display the results.

`--nolog, -O`

Disable audit logging.

`--verbose, -v`

Run in verbose mode. Results sent to standard output.

`--version, -V`

Print the version of this tool.

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

JVM Properties for ssoadm

You can specifically set the authentication module or chain for administrator logins using two JVM settings. These settings provide more control to select the exact authentication mechanisms to be used when **ssoadm** authenticates administrators in the top-level realm.

To set these properties, manually edit the following two JVM settings in the **ssoadm** or **ssoadm.bat** script.

`org.forgerock.openam.ssoadm.auth.indexType`

Specifies the module or chain-based authentication in the top level realm. If the property is set, OpenAM uses only *that* authentication mechanism.

`org.forgerock.openam.ssoadm.auth.indexName`

Specifies the actual name of the authentication module/chain as controlled by the `indexType` setting. For example, if the `indexType` is set to `module_instance` and `indexName` is set to `LDAP`, then **ssoadm** authenticates using only the LDAP authentication module.

Subcommands: By Category

This section lists subcommands by category. The subsequent section lists subcommands in alphabetical order with a short description.

See **ssoadm *subcommand* --help** for detailed options.

Agent Configuration

- **add-agent-to-grp**
- **agent-remove-props**
- **create-agent**
- **create-agent-grp**
- **delete-agent-grps**
- **delete-agents**
- **list-agent-grp-members**
- **list-agent-grps**
- **list-agents**
- **remove-agent-from-grp**

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

- **show-agent**
- **show-agent-grp**
- **show-agent-membership**
- **show-agent-types**
- **update-agent**
- **update-agent-grp**

Authentication Service Management

- **add-auth-cfg-entr**
- **create-auth-cfg**
- **create-auth-instance**
- **delete-auth-cfgs**
- **delete-auth-instances**
- **get-auth-cfg-entr**
- **get-auth-instance**
- **list-auth-cfgs**
- **list-auth-instances**
- **register-auth-module**
- **unregister-auth-module**
- **update-auth-cfg-entr**
- **update-auth-cfg-props**
- **update-auth-instance**

Data Store Management

- **add-amsdk-idrepo-plugin**
- **create-datastore**
- **delete-datastores**
- **list-datastore-types**

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

- **list-datastores**
- **show-datastore**
- **update-datastore**

Entitlements

- **add-app-priv**
- **create-appl**
- **create-appl-type**
- **create-xacml**
- **delete-appl-types**
- **delete-appls**
- **delete-xacml**
- **list-appl-types**
- **list-appls**
- **list-xacml**
- **set-appl**
- **set-entitlement-conf**
- **show-app-priv**
- **show-appl**
- **show-entitlement-conf**
- **update-app-priv**
- **update-app-priv-resources**
- **update-app-priv-subjects**

Federation Management

- **add-cot-member**
- **create-cot**
- **create-metadata-templ**

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

- **delete-cot**
- **delete-entity**
- **do-bulk-federation**
- **export-entity**
- **import-bulk-fed-data**
- **import-entity**
- **list-cot-members**
- **list-cots**
- **list-entities**
- **remove-cot-member**
- **update-entity-keyinfo**

Identity Management

- **add-member**
- **add-privileges**
- **add-svc-identity**
- **create-identity**
- **delete-identities**
- **get-identity**
- **get-identity-svcs**
- **list-identities**
- **list-identity-assignable-svcs**
- **remove-member**
- **remove-privileges**
- **remove-svc-identity**
- **set-identity-attrs**
- **set-identity-svc-attrs**

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

- **show-identity-ops**
- **show-identity-svc-attrs**
- **show-identity-types**
- **show-members**
- **show-memberships**
- **show-privileges**

Policy Management

- **create-policies**
- **delete-policies**
- **list-policies**
- **update-policies**

Realm Management

- **add-svc-attrs**
- **add-svc-realm**
- **create-realm**
- **delete-realm**
- **delete-realm-attr**
- **get-realm**
- **get-realm-svc-attrs**
- **list-realm-assignable-svcs**
- **list-realms**
- **remove-svc-attrs**
- **remove-svc-realm**
- **set-realm-attrs**
- **set-svc-attrs**
- **set-realm-svc-attrs**

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

- **show-auth-modules**
- **show-data-types**
- **show-realm-svcs**

Server Configuration

- **add-site-members**
- **add-site-sec-urls**
- **clone-server**
- **create-server**
- **create-site**
- **delete-server**
- **delete-site**
- **export-server**
- **get-svrcfg-xml**
- **import-server**
- **list-server-cfg**
- **list-servers**
- **list-sites**
- **remove-server-cfg**
- **remove-site-members**
- **remove-site-sec-urls**
- **set-site-pri-url**
- **set-site-sec-urls**
- **set-svrcfg-xml**
- **show-site**
- **show-site-members**
- **update-server-cfg**

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

Service Management

To translate settings applied in OpenAM console to service attributes for use with **ssoadm**, login to the OpenAM console as as `amadmin` and access the services page, such as `http://openam.example.com:8080/openam/services.jsp`.

- **add-attr-defs**
- **add-attrs**
- **add-plugin-interface**
- **add-sub-schema**
- **create-sub-cfg**
- **create-svc**
- **create-svrcfg-xml**
- **delete-attr**
- **delete-sub-cfg**
- **delete-svc**
- **export-svc-cfg**
- **get-attr-defs**
- **get-revision-number**
- **get-sub-cfg**
- **import-svc-cfg**
- **remove-attr-choicevals**
- **remove-attr-defs**
- **remove-sub-schema**
- **set-attr-any**
- **set-attr-bool-values**
- **set-attr-choicevals**
- **set-attr-defs**
- **set-attr-end-range**
- **set-attr-i18n-key**

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

- **set-attr-start-range**
- **set-attr-syntax**
- **set-attr-type**
- **set-attr-ui-type**
- **set-attr-validator**
- **set-attr-view-bean-url**
- **set-inheritance**
- **set-plugin-viewbean-url**
- **set-revision-number**
- **set-sub-cfg**
- **set-svc-i18n-key**
- **set-svc-view-bean-url**
- **update-svc**

Other

- **add-res-bundle**
- **do-batch**
- **do-migration70**
- **list-res-bundle**
- **list-sessions**
- **remove-res-bundle**

Subcommands: Alphabetical Order

The following subcommands are supported.

See also **ssoadm *subcommand* --help**.

ssoadm add-agent-to-grp

Add agents to a agent group.

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

Usage: `ssoadm add-agent-to-grp --options [--global-options]`

Options

`--adminid, -u`

Administrator ID of running the command.

`--agentgroupname, -b`

Name of agent group.

`--agentnames, -s`

Names of agents.

`--password-file, -f`

File name that contains password of administrator.

`--realm, -e`

Name of realm.

ssoadm add-amsdk-idrepo-plugin

Create AMSDK IdRepo Plug-in

Usage: `ssoadm add-amsdk-idrepo-plugin --options [--global-options]`

Options

`--adminid, -u`

Administrator ID of running the command.

`--basedn, -b`

Directory Server base distinguished name.

`--bind-password-file, -m`

File that contains password of bind password.

`--binddn, -e`

Directory Server bind distinguished name.

`--directory-servers, -s`

directory servers <protocol>://<hostname>:<port>. Can have multiple entries.

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

--dsame-password-file, -x

File that contains password of the dsameuser

--password-file, -f

File name that contains password of administrator.

--puser-password-file, -p

File that contains password of the puser

[--org, -o]

Organization objects naming attribute (defaults to 'o')

[--user, -a]

User objects naming attribute (defaults to 'uid')

ssoadm add-app-priv

Add a policy set privilege to delegate resources of a given policy set.

Usage: `ssoadm add-app-priv --options [--global-options]`

Options

--actions, -a

Possible values are READ, MODIFY, DELEGATE, ALL

--adminid, -u

Administrator ID of running the command.

--application, -t

Policy set name

--name, -m

Name for the this delegation

--password-file, -f

File name that contains password of administrator.

--realm, -e

Realm name

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

--subjects, -s

Subject name

--subjecttype, -b

Possible values are User or Group

[--description, -p]

Description for the this delegation.

[--resources, -r]

Resources to delegate, All resources in the policy set will be delegated if this option is absent.

ssoadm add-attr-defs

Add default attribute values in schema.

Usage: `ssoadm add-attr-defs --options [--global-options]`

Options

--adminid, -u

Administrator ID of running the command.

--password-file, -f

File name that contains password of administrator.

--schematype, -t

Type of schema.

--servicename, -s

Name of service.

[--attributevalues, -a]

Attribute values e.g. homeaddress=here.

[--datafile, -D]

Name of file that contains attribute values data.

[--subschemaname, -c]

Name of sub schema.

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

ssoadm add-attrs

Add attribute schema to an existing service.

Usage: `ssoadm add-attrs --options [--global-options]`

Options

`--adminid, -u`

Administrator ID of running the command.

`--attributeschemafile, -F`

XML file containing attribute schema definition.

`--password-file, -f`

File name that contains password of administrator.

`--schematype, -t`

Schema Type.

`--servicename, -s`

Service Name.

`[--subschemaname, -c]`

Name of sub schema.

ssoadm add-auth-cfg-entr

Add authentication configuration entry

Usage: `ssoadm add-auth-cfg-entr --options [--global-options]`

Options

`--adminid, -u`

Administrator ID of running the command.

`--criteria, -c`

Criteria for this entry. Possible values are REQUIRED, OPTIONAL, SUFFICIENT, REQUISITE

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

--modulename, -o

Module Name.

--name, -m

Name of authentication configuration.

--password-file, -f

File name that contains password of administrator.

--realm, -e

Name of realm.

[--options, -t]

Options for this entry.

[--position, -p]

Position where the new entry is to be added. This is option is not set, entry shall be added to the end of the list. If value of this option is 0, it will be inserted to the front of the list. If value is greater of the length of the list, entry shall be added to the end of the list.

ssoadm add-cot-member

Add a member to a circle of trust.

Usage: `ssoadm add-cot-member --options [--global-options]`

Options

--adminid, -u

Administrator ID of running the command.

--cot, -t

Circle of Trust

--entityid, -y

Entity ID

--password-file, -f

File name that contains password of administrator.

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

[--realm, -e]

Realm where circle of trust resides

[--spec, -c]

Specify metadata specification, either wsfed, idff or saml2, defaults to saml2

ssoadm add-member

Add an identity as member of another identity

Usage: `ssoadm add-member --options [--global-options]`

Options

--adminid, -u

Administrator ID of running the command.

--idname, -i

Name of identity.

--idtype, -t

Type of Identity

--memberidname, -m

Name of identity that is member.

--memberidtype, -y

Type of Identity of member such as User, Role and Group.

--password-file, -f

File name that contains password of administrator.

--realm, -e

Name of realm.

ssoadm add-plugin-interface

Add Plug-in interface to service.

Usage: `ssoadm add-plugin-interface --options [--global-options]`

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

Options

`--adminid, -u`

Administrator ID of running the command.

`--i18nkey, -k`

Plug-in I18n Key.

`--interfacename, -i`

Name of interface.

`--password-file, -f`

File name that contains password of administrator.

`--pluginname, -g`

Name of Plug-in.

`--servicename, -s`

Name of service.

ssoadm add-plugin-schema

Add Plug-in schema to service.

Usage: `ssoadm add-plugin-schema --options [--global-options]`

Options

`--adminid, -u`

Administrator ID of running the command.

`--classname, -c`

Name of the Plugin Schema class implementation

`--i18nkey, -k`

Plug-in I18n Key.

`--i18nname, -n`

Plug-in I18n Name.

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

--interfacename, -i

Name of interface.

--password-file, -f

File name that contains password of administrator.

--pluginname, -g

Name of Plug-in.

--servicename, -s

Name of service.

ssoadm add-privileges

Add privileges to an identity. To add a privilege to all authenticated users, use the "All Authenticated Users" idname with "role" idtype.

Usage: `ssoadm add-privileges --options [--global-options]`

Options

--adminid, -u

Administrator ID of running the command.

--idname, -i

Name of identity.

--idtype, -t

Type of Identity such as Role and Group.

--password-file, -f

File name that contains password of administrator.

--privileges, -g

Name of privileges to be added. Privilege names are AgentAdmin, ApplicationModifyAccess, ApplicationReadAccess, ApplicationTypesReadAccess, ConditionTypesReadAccess, DecisionCombinersReadAccess, EntitlementRestAccess, FederationAdmin, LogAdmin, LogRead, LogWrite, PolicyAdmin, PrivilegeRestAccess, PrivilegeRestReadAccess, RealmAdmin, RealmReadAccess, ResourceTypeModifyAccess, ResourceTypeReadAccess, SubjectAttributesReadAccess, and SubjectTypesReadAccess.

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

--realm, -e

Name of realm.

ssoadm add-res-bundle

Add resource bundle to data store.

Usage: `ssoadm add-res-bundle --options [--global-options]`

Options

--adminid, -u

Administrator ID of running the command.

--bundlefilename, -B

Resource bundle physical file name.

--bundlename, -b

Resource Bundle Name.

--password-file, -f

File name that contains password of administrator.

[--bundlelocale, -o]

Locale of the resource bundle.

ssoadm add-site-members

Add members to a site.

Usage: `ssoadm add-site-members --options [--global-options]`

Options

--adminid, -u

Administrator ID of running the command.

--password-file, -f

File name that contains password of administrator.

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

--servernames, -e

Server names, e.g. http://www.example.com:8080/fam

--sitename, -s

Site name, e.g. mysite

ssoadm add-site-sec-urls

Add Site Secondary URLs.

Usage: `ssoadm add-site-sec-urls --options [--global-options]`

Options

--adminid, -u

Administrator ID of running the command.

--password-file, -f

File name that contains password of administrator.

--secondaryurls, -a

Secondary URLs

--sitename, -s

Site name, e.g. mysite

ssoadm add-sub-schema

Add sub schema.

Usage: `ssoadm add-sub-schema --options [--global-options]`

Options

--adminid, -u

Administrator ID of running the command.

--filename, -F

Name of file that contains the schema

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

--password-file, -f

File name that contains password of administrator.

--schematype, -t

Type of schema.

--servicename, -s

Name of service.

ssoadm add-svc-attrs

Add service attribute values in a realm. Long content for an attribute can be supplied in a file by appending '-file' to the attribute name, and giving the filename as the value.

Usage: `ssoadm add-svc-attrs --options [--global-options]`

Options

--adminid, -u

Administrator ID of running the command.

--password-file, -f

File name that contains password of administrator.

--realm, -e

Name of realm.

--servicename, -s

Name of service.

[--attributevalues, -a]

Attribute values to be added e.g. homeaddress=here.

[--datafile, -D]

Name of file that contains attribute values to be added.

ssoadm add-svc-identity

Add Service to an identity

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

Usage: `ssoadm add-svc-identity --options [--global-options]`

Options

`--adminid, -u`

Administrator ID of running the command.

`--idname, -i`

Name of identity.

`--idtype, -t`

Type of Identity such as User, Role and Group.

`--password-file, -f`

File name that contains password of administrator.

`--realm, -e`

Name of realm.

`--servicename, -s`

Name of service.

`[--attributevalues, -a]`

Attribute values e.g. homeaddress=here.

`[--datafile, -D]`

Name of file that contains attribute values data.

ssoadm add-svc-realm

Add service to a realm. Long content for an attribute can be supplied in a file by appending '-file' to the attribute name, and giving the filename as the value.

Usage: `ssoadm add-svc-realm --options [--global-options]`

Options

`--adminid, -u`

Administrator ID of running the command.

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

--password-file, -f

File name that contains password of administrator.

--realm, -e

Name of realm.

--servicename, -s

Service Name.

[--attributevalues, -a]

Attribute values e.g. homeaddress=here.

[--datafile, -D]

Name of file that contains attribute values data.

ssoadm agent-remove-props

Remove agent's properties.

Usage: `ssoadm agent-remove-props --options [--global-options]`

Options

--adminid, -u

Administrator ID of running the command.

--agentname, -b

Name of agent.

--attributenames, -a

properties name(s).

--password-file, -f

File name that contains password of administrator.

--realm, -e

Name of realm.

ssoadm clone-server

Clone a server instance.

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

Usage: `ssoadm clone-server --options [--global-options]`

Options

`--adminid, -u`

Administrator ID of running the command.

`--cloneservername, -o`

Clone server name

`--password-file, -f`

File name that contains password of administrator.

`--servername, -s`

Server name

ssoadm create-agent

Create a new agent configuration.

Usage: `ssoadm create-agent --options [--global-options]`

Options

`--adminid, -u`

Administrator ID of running the command.

`--agentname, -b`

Name of agent.

`--agenttype, -t`

Type of agent. Possible values: J2EEAgent, WebAgent, 2.2_Agent, SharedAgent, OAuth2Client

`--password-file, -f`

File name that contains password of administrator.

`--realm, -e`

Name of realm.

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

[--agenturl, -g]

Agent URL. e.g. http://www.agent.example:8080/agent. WebAgent does not take URL with path. e.g. http://www.agent.example:8080. This option is valid only for J2EEAgent and WebAgent agent types, and is required when the agent type is J2EEAgent or WebAgent.

[--attributevalues, -a]

Properties e.g. sunIdentityServerDeviceKeyValue=https://agent.example.com:443/

[--datafile, -D]

Name of file that contains properties.

[--serverurl, -s]

Server URL. e.g. http://www.example.com:58080/openam. This option is valid only for J2EEAgent and WebAgent agent types, and is required when the agent type is J2EEAgent or WebAgent.

ssoadm create-agent-grp

Create a new agent group.

Usage: `ssoadm create-agent-grp --options [--global-options]`

Options

--adminid, -u

Administrator ID of running the command.

--agentgroupname, -b

Name of agent group.

--agenttype, -t

Type of agent group. e.g. J2EEAgent, WebAgent

--password-file, -f

File name that contains password of administrator.

--realm, -e

Name of realm.

[--attributevalues, -a]

Properties e.g. homeaddress=here.

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

[--datafile, -D]

Name of file that contains properties.

[--serverurl, -s]

Server URL. e.g. http://www.example.com:58080/openam. This option is valid for J2EEAgent and WebAgent.

ssoadm create-appl

Create policy set.

Usage: `ssoadm create-appl --options [--global-options]`

Options

--adminid, -u

Administrator ID of running the command.

--applicationtype, -t

Application type name

--name, -m

Policy set name

--password-file, -f

File name that contains password of administrator.

--realm, -e

Realm name

[--attributevalues, -a]

Attribute values e.g. applicationType=iPlanetAMWebAgentService.

[--datafile, -D]

Name of file that contains attribute values data. Mandatory attributes are resources, subjects, conditions and entitlementCombiner. Optional ones are actions, searchIndexImpl, saveIndexImpl, resourceComparator, subjectAttributeNames.

ssoadm create-appl-type

Create application type.

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

Usage: `ssoadm create-appl-type --options [--global-options]`

Options

`--adminid, -u`

Administrator ID of running the command.

`--name, -m`

Application Type name

`--password-file, -f`

File name that contains password of administrator.

`[--attributevalues, -a]`

Application Type attribute values e.g. actions=enabled=true.

`[--datafile, -D]`

Name of file that contains attribute type values data. Mandatory attributes are actions, searchIndexImpl and saveIndexImpl. Optional are resourceComparator.

ssoadm create-auth-cfg

Create authentication configuration

Usage: `ssoadm create-auth-cfg --options [--global-options]`

Options

`--adminid, -u`

Administrator ID of running the command.

`--name, -m`

Name of authentication configuration.

`--password-file, -f`

File name that contains password of administrator.

`--realm, -e`

Name of realm.

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

ssoadm create-auth-instance

Create authentication module instance

Usage: `ssoadm create-auth-instance --options [--global-options]`

Options

`--adminid, -u`

Administrator ID of running the command.

`--authtype, -t`

Type of authentication module instance. Possible values include AD, Adaptive, Anonymous, Cert, DataStore, DeviceIdMatch, DeviceIdSave, Federation, HOTP, HTTPBasic, JDBC, LDAP, Membership, MSISDN, OATH, OAuth, OpenIdConnect, PersistentCookie, RADIUS, SAE, Scripted, WindowsDesktopSSO, NT, and WSSAuthModule.

`--name, -m`

Name of authentication module instance.

`--password-file, -f`

File name that contains password of administrator.

`--realm, -e`

Name of realm.

ssoadm create-cot

Create circle of trust.

Usage: `ssoadm create-cot --options [--global-options]`

Options

`--adminid, -u`

Administrator ID of running the command.

`--cot, -t`

Circle of Trust

`--password-file, -f`

File name that contains password of administrator.

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

[--prefix, -p]

Prefix URL for idp discovery reader and writer URL.

[--realm, -e]

Realm where circle of trust resides

[--trustedproviders, -k]

Trusted Providers

ssoadm create-datastore

Create data store under a realm

Usage: `ssoadm create-datastore --options [--global-options]`

Options

--adminid, -u

Administrator ID of running the command.

--datatype, -t

Type of datastore. Use the list-datastore-types subcommand to get a list of supported datastore types.

--name, -m

Name of datastore.

--password-file, -f

File name that contains password of administrator.

--realm, -e

Name of realm.

[--attributevalues, -a]

Attribute values e.g. sunIdRepoClass=com.sun.identity.idm.plugins.files.FilesRepo.

[--datafile, -D]

Name of file that contains attribute values data.

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

ssoadm create-identity

Create identity in a realm

Usage: `ssoadm create-identity --options [--global-options]`

Options

`--adminid, -u`

Administrator ID of running the command.

`--idname, -i`

Name of identity.

`--idtype, -t`

Type of Identity such as User, Role and Group.

`--password-file, -f`

File name that contains password of administrator.

`--realm, -e`

Name of realm.

`[--attributevalues, -a]`

Attribute values e.g. sunIdentityServerDeviceStatus=Active.

`[--datafile, -D]`

Name of file that contains attribute values data.

ssoadm create-metadata-templ

Create new metadata template.

Usage: `ssoadm create-metadata-templ --options [--global-options]`

Options

`--adminid, -u`

Administrator ID of running the command.

`--entityid, -y`

Entity ID

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

--password-file, -f

File name that contains password of administrator.

[--affiecertalias, -K]

Affiliation encryption certificate alias

[--affiliation, -F]

Specify metaAlias for hosted affiliation. to be created. The format must be <realm name>/<identifier>

[--affimembers, -M]

Affiliation members

[--affiownerid, -N]

Affiliation Owner ID

[--affiscertalias, -J]

Affiliation signing certificate alias

[--attraecertalias, -G]

Attribute authority encryption certificate alias.

[--attrascertalias, -B]

Attribute authority signing certificate alias

[--attrauthority, -I]

Specify metaAlias for hosted attribute authority to be created. The format must be <realm name>/<identifier>.

[--attrqecertalias, -R]

Attribute query provider encryption certificate alias

[--attrqscertalias, -A]

Attribute query provider signing certificate alias

[--attrqueryprovider, -S]

Specify metaAlias for hosted attribute query provider to be created. The format must be <realm name>/<identifier>.

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

[--authnaecertalias, -E]

Authentication authority encryption certificate alias.

[--authnascertalias, -D]

Authentication authority signing certificate alias

[--authnauthority, -C]

Specify metaAlias for hosted authentication authority to be created. The format must be <realm name>/<identifier>.

[--extended-data-file, -x]

Specify file name for the extended metadata to be created. XML will be displayed on terminal if this file name is not provided.

[--identityprovider, -i]

Specify metaAlias for hosted identity provider to be created. The format must be <realm name>/<identifier>.

[--idpecertalias, -g]

Identity provider encryption certificate alias.

[--idpscertalias, -b]

Identity provider signing certificate alias

[--meta-data-file, -m]

Specify file name for the standard metadata to be created. XML will be displayed on terminal if this file name is not provided.

[--serviceprovider, -s]

Specify metaAlias for hosted service provider to be created. The format must be <realm name>/<identifier>.

[--specertalias, -r]

Service provider encryption certificate alias

[--spec, -c]

Specify metadata specification, either wsfed, idff or saml2, defaults to saml2

[--spscertalias, -a]

Service provider signing certificate alias

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

[--xacmlpdpecertalias, -j]

Policy decision point encryption certificate alias

[--xacmlpdpscertalias, -t]

Policy decision point signing certificate alias

[--xacmlpdp, -p]

Specify metaAlias for policy decision point to be created. The format must be <realm name>/<identifier>.

[--xacmlpepecertalias, -z]

Policy enforcement point encryption certificate alias

[--xacmlpepscertalias, -k]

Policy enforcement point signing certificate alias

[--xacmlpep, -e]

Specify metaAlias for policy enforcement point to be created. The format must be <realm name>/<identifier>.

ssoadm create-realm

Create realm.

Usage: `ssoadm create-realm --options [--global-options]`

Options

--adminid, -u

Administrator ID of running the command.

--password-file, -f

File name that contains password of administrator.

--realm, -e

Name of realm to be created.

ssoadm create-server

Create a server instance.

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

Usage: `ssoadm create-server --options [--global-options]`

Options

`--adminid, -u`

Administrator ID of running the command.

`--password-file, -f`

File name that contains password of administrator.

`--serverconfigxml, -X`

Server Configuration XML file name.

`--servername, -s`

Server name, e.g. http://www.example.com:8080/fam

`[--attributevalues, -a]`

Attribute values e.g. homeaddress=here.

`[--datafile, -D]`

Name of file that contains attribute values data.

ssoadm create-site

Create a site.

Usage: `ssoadm create-site --options [--global-options]`

Options

`--adminid, -u`

Administrator ID of running the command.

`--password-file, -f`

File name that contains password of administrator.

`--sitename, -s`

Site name, e.g. mysite

`--siteurl, -i`

Site's primary URL, e.g. http://www.example.com:8080

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

[--secondaryurls, -a]

Secondary URLs

ssoadm create-sub-cfg

Create a new sub configuration. Long content for an attribute can be supplied in a file by appending '-file' to the attribute name, and giving the filename as the value.

Usage: `ssoadm create-sub-cfg --options [--global-options]`

Options

--adminid, -u

Administrator ID of running the command.

--password-file, -f

File name that contains password of administrator.

--servicename, -s

Name of service.

--subconfigname, -g

Sub-schema name of (or path to) the type of sub-configuration being added.

[--attributevalues, -a]

Attribute values e.g. homeaddress=here.

[--datafile, -D]

Name of file that contains attribute values data.

[--priority, -p]

Priority of the sub configuration.

[--realm, -e]

Name of realm (Sub Configuration shall be added to global configuration if this option is not provided).

[--subconfigid, -b]

User-specfieid ID of (or path to) the sub-configuration.

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

ssoadm create-svc

Create a new service in server.

Usage: `ssoadm create-svc --options [--global-options]`

Options

`--adminid, -u`

Administrator ID of running the command.

`--password-file, -f`

File name that contains password of administrator.

`--xmlfile, -X`

XML file(s) that contains schema.

`[--continue, -c]`

Continue adding service if one or more previous service cannot be added.

ssoadm create-svrcfg-xml

Create serverconfig.xml file. No options are required for flat file configuration data store.

Usage: `ssoadm create-svrcfg-xml --options [--global-options]`

Options

`--adminid, -u`

Administrator ID of running the command.

`--password-file, -f`

File name that contains password of administrator.

`[--basedn, -b]`

Directory Server base distinguished name.

`[--dsadmin, -a]`

Directory Server administrator distinguished name

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

[--dshost, -t]

Directory Server host name

[--dspassword-file, -x]

File that contains Directory Server administrator password

[--dsport, -p]

Directory Server port number

[--outfile, -o]

File name where serverconfig XML is written.

ssoadm create-xacml

Create policies in a realm with XACML input.

Usage: `ssoadm create-xacml --options [--global-options]`

Options

--adminid, -u

Administrator ID of running the command.

--password-file, -f

File name that contains password of administrator.

--realm, -e

Name of realm.

--xmlfile, -X

File that contains the policy XACML definition. In the console, paste the XML into the text field instead.

[--dryrun, -n]

Provide a summary of the policies which would be updated, and those which would be added, as a result of the create-xacml command without the 'dryrun' option specified. Nothing will be updated or added when using this option.

[--outfile, -o]

Filename where the output of a 'dryrun' command will be sent to. If no 'dryrun' command is specified, the outfile will not be used for anything.

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

ssoadm delete-agent-grps

Delete agent groups.

Usage: `ssoadm delete-agent-grps --options [--global-options]`

Options

`--adminid, -u`

Administrator ID of running the command.

`--password-file, -f`

File name that contains password of administrator.

`--realm, -e`

Name of realm.

`[--agentgroupnames, -s]`

Separate multiple agent group names with spaces.

`[--file, -D]`

File containing agent group names, with multiple group names separated by spaces.

ssoadm delete-agents

Delete agent configurations.

Usage: `ssoadm delete-agents --options [--global-options]`

Options

`--adminid, -u`

Administrator ID of running the command.

`--password-file, -f`

File name that contains password of administrator.

`--realm, -e`

Name of realm.

`[--agentnames, -s]`

Separate multiple agent names with spaces.

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

[--file, -D]

File containing agent names, with multiple agent names separated by spaces.

ssoadm delete-appl-types

Delete application types.

Usage: `ssoadm delete-appl-types --options [--global-options]`

Options

--adminid, -u

Administrator ID of running the command.

--names, -m

Application Type names

--password-file, -f

File name that contains password of administrator.

ssoadm delete-appls

Delete policy sets.

Usage: `ssoadm delete-appls --options [--global-options]`

Options

--adminid, -u

Administrator ID of running the command.

--names, -m

Policy set names

--password-file, -f

File name that contains password of administrator.

--realm, -e

Realm name

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

ssoadm delete-attr

Delete attribute schemas from a service

Usage: `ssoadm delete-attr --options [--global-options]`

Options

`--adminid, -u`

Administrator ID of running the command.

`--attributeschema, -a`

Name of attribute schema to be removed.

`--password-file, -f`

File name that contains password of administrator.

`--schematype, -t`

Type of schema.

`--servicename, -s`

Name of service.

`[--subschemaname, -c]`

Name of sub schema.

ssoadm delete-attr-def-values

Delete attribute schema default values.

Usage: `ssoadm delete-attr-def-values --options [--global-options]`

Options

`--adminid, -u`

Administrator ID of running the command.

`--attributeschema, -a`

Name of attribute schema

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

--defaultvalues, -e

Default value(s) to be deleted

--password-file, -f

File name that contains password of administrator.

--schematype, -t

Type of schema.

--servicename, -s

Name of service.

[--subschemaname, -c]

Name of sub schema.

ssoadm delete-auth-cfgs

Delete authentication configurations

Usage: `ssoadm delete-auth-cfgs --options [--global-options]`

Options

--adminid, -u

Administrator ID of running the command.

--names, -m

Name of authentication configurations.

--password-file, -f

File name that contains password of administrator.

--realm, -e

Name of realm.

ssoadm delete-auth-instances

Delete authentication instances

Usage: `ssoadm delete-auth-instances --options [--global-options]`

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

Options

`--adminid, -u`

Administrator ID of running the command.

`--names, -m`

Name of authentication instances.

`--password-file, -f`

File name that contains password of administrator.

`--realm, -e`

Name of realm.

ssoadm delete-cot

Delete circle of trust.

Usage: `ssoadm delete-cot --options [--global-options]`

Options

`--adminid, -u`

Administrator ID of running the command.

`--cot, -t`

Circle of Trust

`--password-file, -f`

File name that contains password of administrator.

`[--realm, -e]`

Realm where circle of trust resides

ssoadm delete-datastores

Delete data stores under a realm

Usage: `ssoadm delete-datastores --options [--global-options]`

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

Options

`--adminid, -u`

Administrator ID of running the command.

`--names, -m`

Names of datastore.

`--password-file, -f`

File name that contains password of administrator.

`--realm, -e`

Name of realm.

ssoadm delete-entity

Delete entity.

Usage: `ssoadm delete-entity --options [--global-options]`

Options

`--adminid, -u`

Administrator ID of running the command.

`--entityid, -y`

Entity ID

`--password-file, -f`

File name that contains password of administrator.

`[--extendedonly, -x]`

Set to flag to delete only extended data.

`[--realm, -e]`

Realm where data resides

`[--spec, -c]`

Specify metadata specification, either wsfed, idff or saml2, defaults to saml2

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

ssoadm delete-identities

Delete identities in a realm

Usage: `ssoadm delete-identities --options [--global-options]`

Options

`--adminid, -u`

Administrator ID of running the command.

`--idtype, -t`

Type of Identity such as User, Role and Group.

`--password-file, -f`

File name that contains password of administrator.

`--realm, -e`

Name of realm.

`[--file, -D]`

Name of file that contains the identity names to be deleted.

`[--idnames, -i]`

Names of identites.

ssoadm delete-realm

Delete realm.

Usage: `ssoadm delete-realm --options [--global-options]`

Options

`--adminid, -u`

Administrator ID of running the command.

`--password-file, -f`

File name that contains password of administrator.

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

--realm, -e

Name of realm to be deleted.

[--recursive, -r]

Delete descendent realms recursively.

ssoadm delete-realm-attr

Delete attribute from a realm.

Usage: `ssoadm delete-realm-attr --options [--global-options]`

Options

--adminid, -u

Administrator ID of running the command.

--attributename, -a

Name of attribute to be removed.

--password-file, -f

File name that contains password of administrator.

--realm, -e

Name of realm.

--servicename, -s

Name of service.

ssoadm delete-server

Delete a server instance.

Usage: `ssoadm delete-server --options [--global-options]`

Options

--adminid, -u

Administrator ID of running the command.

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

--password-file, -f

File name that contains password of administrator.

--servername, -s

Server name, e.g. http://www.example.com:8080/fam

ssoadm delete-site

Delete a site.

Usage: `ssoadm delete-site --options [--global-options]`

Options

--adminid, -u

Administrator ID of running the command.

--password-file, -f

File name that contains password of administrator.

--sitename, -s

Site name, e.g. mysite

ssoadm delete-sub-cfg

Remove Sub Configuration.

Usage: `ssoadm delete-sub-cfg --options [--global-options]`

Options

--adminid, -u

Administrator ID of running the command.

--password-file, -f

File name that contains password of administrator.

--servicename, -s

Name of service.

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

--subconfigname, -g

Name of sub configuration.

[--realm, -e]

Name of realm (Sub Configuration shall be deleted from the global configuration if this option is not provided).

ssoadm delete-svc

Delete service from the server.

Usage: `ssoadm delete-svc --options [--global-options]`

Options

--adminid, -u

Administrator ID of running the command.

--password-file, -f

File name that contains password of administrator.

--servicename, -s

Service Name(s).

[--continue, -c]

Continue deleting service if one or more previous services cannot be deleted.

[--deletepolicyrule, -r]

Delete policy rule.

ssoadm delete-xacml

Delete XACML policies from a realm.

Usage: `ssoadm delete-xacml --options [--global-options]`

Options

--adminid, -u

Administrator ID of running the command.

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

--password-file, -f

File name that contains password of administrator.

--realm, -e

Name of realm.

[--file, -D]

Name of file that contains the policy names to be deleted.

[--policynames, -p]

Names of policy to be deleted.

ssoadm do-batch

Do multiple requests in one command.

Usage: `ssoadm do-batch --options [--global-options]`

Options

--adminid, -u

Administrator ID of running the command.

--batchfile, -Z

Name of file that contains commands and options.

--password-file, -f

File name that contains password of administrator.

[--batchstatus, -b]

Name of status file.

[--continue, -c]

Continue processing the rest of the request when preceeding request was erroneous.

ssoadm do-bulk-federation

Perform bulk federation.

Usage: `ssoadm do-bulk-federation --options [--global-options]`

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

Options

`--adminid, -u`

Administrator ID of running the command.

`--metaalias, -m`

Specify metaAlias for local provider.

`--nameidmapping, -e`

Name of file that will be created by this sub command. It contains remote user Id to name identifier. It shall be used by remote provider to update user profile.

`--password-file, -f`

File name that contains password of administrator.

`--remoteentityid, -r`

Remote entity Id

`--useridmapping, -g`

File name of local to remote user Id mapping. Format <local-user-id>|<remote-user-id>

`[--spec, -c]`

Specify metadata specification, either idff or saml2, defaults to saml2

ssoadm do-migration70

Migrate organization to realm.

Usage: `ssoadm do-migration70 --options [--global-options]`

Options

`--adminid, -u`

Administrator ID of running the command.

`--entrydn, -e`

Distinguished name of organization to be migrated.

`--password-file, -f`

File name that contains password of administrator.

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

ssoadm embedded-status

Status of embedded store.

Usage: `ssoadm embedded-status --options [--global-options]`

Options

`--adminid, -u`

Administrator ID of running the command.

`--password-file, -f`

File name that contains password of administrator.

`--port, -p`

Embedded store port

`[--password, -w]`

Embedded store password

ssoadm export-entity

Export entity.

Usage: `ssoadm export-entity --options [--global-options]`

Options

`--adminid, -u`

Administrator ID of running the command.

`--entityid, -y`

Entity ID

`--password-file, -f`

File name that contains password of administrator.

`[--extended-data-file, -x]`

Extended data

`[--meta-data-file, -m]`

Metadata

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

[--realm, -e]

Realm where data resides

[--sign, -g]

Set this flag to sign the metadata

[--spec, -c]

Specify metadata specification, either wsfed, idff or saml2, defaults to saml2

ssoadm export-server

Export a server instance.

Usage: `ssoadm export-server --options [--global-options]`

Options

--adminid, -u

Administrator ID of running the command.

--password-file, -f

File name that contains password of administrator.

--servername, -s

Server name

[--outfile, -o]

Filename where configuration was written.

ssoadm export-svc-cfg

Export service configuration. In production environments, you should back up the service configuration using file system utilities or the export-ldif command. Note that export-ldif/import-ldif commands must be on the same deployment where the encryption keys are located.

Usage: `ssoadm export-svc-cfg --options [--global-options]`

Options

--adminid, -u

Administrator ID of running the command.

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

--encryptsecret, -e

Secret key for encrypting password. Any arbitrary value can be specified.

--password-file, -f

File name that contains password of administrator.

[--outfile, -o]

Filename where configuration was written.

ssoadm get-attr-choicevals

Get choice values of attribute schema.

Usage: `ssoadm get-attr-choicevals --options [--global-options]`

Options

--adminid, -u

Administrator ID of running the command.

--attributename, -a

Name of attribute.

--password-file, -f

File name that contains password of administrator.

--schematype, -t

Type of schema.

--servicename, -s

Name of service.

[--subschemaname, -c]

Name of sub schema.

ssoadm get-attr-defs

Get default attribute values in schema.

Usage: `ssoadm get-attr-defs --options [--global-options]`

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

Options

`--adminid, -u`

Administrator ID of running the command.

`--password-file, -f`

File name that contains password of administrator.

`--schematype, -t`

Type of schema. One of dynamic, global, or organization (meaning realm).

`--servicename, -s`

Name of service.

`[--attributenames, -a]`

Attribute name(s).

`[--subschemaname, -c]`

Name of sub schema.

ssoadm get-auth-cfg-entr

Get authentication configuration entries

Usage: `ssoadm get-auth-cfg-entr --options [--global-options]`

Options

`--adminid, -u`

Administrator ID of running the command.

`--name, -m`

Name of authentication configuration.

`--password-file, -f`

File name that contains password of administrator.

`--realm, -e`

Name of realm.

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

ssoadm get-auth-instance

Get authentication instance values

Usage: `ssoadm get-auth-instance --options [--global-options]`

Options

`--adminid, -u`

Administrator ID of running the command.

`--name, -m`

Name of authentication instance.

`--password-file, -f`

File name that contains password of administrator.

`--realm, -e`

Name of realm.

ssoadm get-identity

Get identity property values

Usage: `ssoadm get-identity --options [--global-options]`

Options

`--adminid, -u`

Administrator ID of running the command.

`--idname, -i`

Name of identity.

`--idtype, -t`

Type of Identity such as User, Role and Group.

`--password-file, -f`

File name that contains password of administrator.

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

--realm, -e

Name of realm.

[--attributenames, -a]

Attribute name(s). All attribute values shall be returned if the option is not provided.

ssoadm get-identity-svcs

Get the service in an identity

Usage: `ssoadm get-identity-svcs --options [--global-options]`

Options

--adminid, -u

Administrator ID of running the command.

--idname, -i

Name of identity.

--idtype, -t

Type of Identity such as User, Role and Group.

--password-file, -f

File name that contains password of administrator.

--realm, -e

Name of realm.

ssoadm get-realm

Get realm property values.

Usage: `ssoadm get-realm --options [--global-options]`

Options

--adminid, -u

Administrator ID of running the command.

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

--password-file, -f

File name that contains password of administrator.

--realm, -e

Name of realm.

--servicename, -s

Name of service.

ssoadm get-realm-svc-attrs

Get realm's service attribute values.

Usage: `ssoadm get-realm-svc-attrs --options [--global-options]`

Options

--adminid, -u

Administrator ID of running the command.

--password-file, -f

File name that contains password of administrator.

--realm, -e

Name of realm.

--servicename, -s

Name of service.

ssoadm get-recording-status

Get the status of recording operations.

Usage: `ssoadm get-recording-status --options [--global-options]`

Options

--adminid, -u

Administrator ID of running the command.

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

--password-file, -f

File name that contains password of administrator.

--servername, -s

Server name, e.g. http://openam.example.com:8080/openam

ssoadm get-revision-number

Get service schema revision number.

Usage: `ssoadm get-revision-number --options [--global-options]`

Options

--adminid, -u

Administrator ID of running the command.

--password-file, -f

File name that contains password of administrator.

--servicename, -s

Name of service.

ssoadm get-sub-cfg

Get sub configuration.

Usage: `ssoadm get-sub-cfg --options [--global-options]`

Options

--adminid, -u

Administrator ID of running the command.

--password-file, -f

File name that contains password of administrator.

--servicename, -s

Name of service.

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

--subconfigname, -g

Name of sub configuration.

[--realm, -e]

Name of realm (Sub Configuration shall be retrieved from the global configuration if this option is not provided).

ssoadm get-svrcfg-xml

Get server configuration XML from centralized data store

Usage: `ssoadm get-svrcfg-xml --options [--global-options]`

Options

--adminid, -u

Administrator ID of running the command.

--password-file, -f

File name that contains password of administrator.

--servername, -s

Server name, e.g. http://www.example.com:8080/fam

[--outfile, -o]

File name where serverconfig XML is written.

ssoadm import-bulk-fed-data

Import bulk federation data which is generated by 'do-bulk-federation' sub command.

Usage: `ssoadm import-bulk-fed-data --options [--global-options]`

Options

--adminid, -u

Administrator ID of running the command.

--bulk-data-file, -g

File name of bulk federation data which is generated by 'do-bulk-federation' sub command.

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

--metaalias, -m

Specify metaAlias for local provider.

--password-file, -f

File name that contains password of administrator.

[--spec, -c]

Specify metadata specification, either idff or saml2, defaults to saml2

ssoadm import-entity

Import entity.

Usage: `ssoadm import-entity --options [--global-options]`

Options

--adminid, -u

Administrator ID of running the command.

--password-file, -f

File name that contains password of administrator.

[--cot, -t]

Specify name of the Circle of Trust this entity belongs.

[--extended-data-file, -x]

Specify file name for the extended entity configuration to be imported.<web>Extended entity configuration to be imported.

[--meta-data-file, -m]

Specify file name for the standard metadata to be imported.<web>Standard metadata to be imported.

[--realm, -e]

Realm where entity resides.

[--spec, -c]

Specify metadata specification, either wsfed, idff or saml2, defaults to saml2

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

ssoadm import-server

Import a server instance.

Usage: `ssoadm import-server --options [--global-options]`

Options

`--adminid, -u`

Administrator ID of running the command.

`--password-file, -f`

File name that contains password of administrator.

`--servername, -s`

Server name

`--xmlfile, -X`

XML file that contains configuration.

ssoadm import-svc-cfg

Import service configuration. In production environments, you should restore the service configuration using file system utilities or the import-ldif command. Note that import-ldif/export-ldif commands must be on the same deployment where the encryption keys are located.

Usage: `ssoadm import-svc-cfg --options [--global-options]`

Options

`--adminid, -u`

Administrator ID of running the command.

`--encryptsecret, -e`

Secret key for decrypting password.

`--password-file, -f`

File name that contains password of administrator.

`--xmlfile, -X`

XML file that contains configuration data.

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

ssoadm list-agent-grp-members

List agents in agent group.

Usage: `ssoadm list-agent-grp-members --options [--global-options]`

Options

`--adminid, -u`

Administrator ID of running the command.

`--agentgroupname, -b`

Name of agent group.

`--password-file, -f`

File name that contains password of administrator.

`--realm, -e`

Name of realm.

`[--filter, -x]`

Filter (Pattern).

ssoadm list-agent-grps

List agent groups.

Usage: `ssoadm list-agent-grps --options [--global-options]`

Options

`--adminid, -u`

Administrator ID of running the command.

`--password-file, -f`

File name that contains password of administrator.

`--realm, -e`

Name of realm.

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

[--agenttype, -t]

Type of agent. e.g. J2EEAgent, WebAgent

[--filter, -x]

Filter (Pattern).

ssoadm list-agents

List agent configurations.

Usage: `ssoadm list-agents --options [--global-options]`

Options

--adminid, -u

Administrator ID of running the command.

--password-file, -f

File name that contains password of administrator.

--realm, -e

Name of realm.

[--agenttype, -t]

Type of agent. e.g. J2EEAgent, WebAgent

[--filter, -x]

Filter (Pattern).

ssoadm list-app-privs

List policy set privileges in a realm.

Usage: `ssoadm list-app-privs --options [--global-options]`

Options

--adminid, -u

Administrator ID of running the command.

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

--password-file, -f

File name that contains password of administrator.

--realm, -e

Realm name

ssoadm list-appl-types

List application types.

Usage: `ssoadm list-appl-types --options [--global-options]`

Options

--adminid, -u

Administrator ID of running the command.

--password-file, -f

File name that contains password of administrator.

ssoadm list-appls

List policy set in a realm.

Usage: `ssoadm list-appls --options [--global-options]`

Options

--adminid, -u

Administrator ID of running the command.

--password-file, -f

File name that contains password of administrator.

--realm, -e

Realm name

ssoadm list-auth-cfgs

List authentication configurations

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

Usage: `ssoadm list-auth-cfgs --options [--global-options]`

Options

`--adminid, -u`

Administrator ID of running the command.

`--password-file, -f`

File name that contains password of administrator.

`--realm, -e`

Name of realm.

ssoadm list-auth-instances

List authentication instances

Usage: `ssoadm list-auth-instances --options [--global-options]`

Options

`--adminid, -u`

Administrator ID of running the command.

`--password-file, -f`

File name that contains password of administrator.

`--realm, -e`

Name of realm.

ssoadm list-cot-members

List the members in a circle of trust.

Usage: `ssoadm list-cot-members --options [--global-options]`

Options

`--adminid, -u`

Administrator ID of running the command.

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

--cot, -t

Circle of Trust

--password-file, -f

File name that contains password of administrator.

[--realm, -e]

Realm where circle of trust resides

[--spec, -c]

Specify metadata specification, either wsfed, idff or saml2, defaults to saml2

ssoadm list-cots

List circles of trust.

Usage: `ssoadm list-cots --options [--global-options]`

Options

--adminid, -u

Administrator ID of running the command.

--password-file, -f

File name that contains password of administrator.

[--realm, -e]

Realm where circle of trusts reside

ssoadm list-datastore-types

List the supported data store types

Usage: `ssoadm list-datastore-types --options [--global-options]`

Options

--adminid, -u

Administrator ID of running the command.

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

--password-file, -f

File name that contains password of administrator.

ssoadm list-datastores

List data stores under a realm

Usage: `ssoadm list-datastores --options [--global-options]`

Options

--adminid, -u

Administrator ID of running the command.

--password-file, -f

File name that contains password of administrator.

--realm, -e

Name of realm.

ssoadm list-entities

List entities under a realm.

Usage: `ssoadm list-entities --options [--global-options]`

Options

--adminid, -u

Administrator ID of running the command.

--password-file, -f

File name that contains password of administrator.

[--realm, -e]

Realm where entities reside.

[--spec, -c]

Specify metadata specification, either wsfed, idff or saml2, defaults to saml2

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

ssoadm list-identities

List identities in a realm

Usage: `ssoadm list-identities --options [--global-options]`

Options

`--adminid, -u`

Administrator ID of running the command.

`--filter, -x`

Filter (Pattern).

`--idtype, -t`

Type of Identity such as User, Role and Group.

`--password-file, -f`

File name that contains password of administrator.

`--realm, -e`

Name of realm.

ssoadm list-identity-assignable-svcs

List the assignable service to an identity

Usage: `ssoadm list-identity-assignable-svcs --options [--global-options]`

Options

`--adminid, -u`

Administrator ID of running the command.

`--idname, -i`

Name of identity.

`--idtype, -t`

Type of Identity such as User, Role and Group.

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

--password-file, -f

File name that contains password of administrator.

--realm, -e

Name of realm.

ssoadm list-realm-assignable-svcs

List the assignable services to a realm.

Usage: `ssoadm list-realm-assignable-svcs --options [--global-options]`

Options

--adminid, -u

Administrator ID of running the command.

--password-file, -f

File name that contains password of administrator.

--realm, -e

Name of realm.

ssoadm list-realms

List realms by name.

Usage: `ssoadm list-realms --options [--global-options]`

Options

--adminid, -u

Administrator ID of running the command.

--password-file, -f

File name that contains password of administrator.

--realm, -e

Name of realm where search begins.

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

[--filter, -x]

Filter (Pattern).

[--recursive, -r]

Search recursively

ssoadm list-res-bundle

List resource bundle in data store.

Usage: `ssoadm list-res-bundle --options [--global-options]`

Options

--adminid, -u

Administrator ID of running the command.

--bundlename, -b

Resource Bundle Name.

--password-file, -f

File name that contains password of administrator.

[--bundlelocale, -o]

Locale of the resource bundle.

ssoadm list-server-cfg

List server configuration.

Usage: `ssoadm list-server-cfg --options [--global-options]`

Options

--adminid, -u

Administrator ID of running the command.

--password-file, -f

File name that contains password of administrator.

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

--servername, -s

Server name, e.g. http://www.example.com:8080/fam or enter default to list default server configuration.

[--withdefaults, -w]

Set this flag to get default configuration.

ssoadm list-servers

List all server instances.

Usage: `ssoadm list-servers --options [--global-options]`

Options

--adminid, -u

Administrator ID of running the command.

--password-file, -f

File name that contains password of administrator.

ssoadm list-sessions

List stateful sessions.

Usage: `ssoadm list-sessions --options [--global-options]`

Options

--adminid, -u

Administrator ID of running the command.

--host, -t

Host Name.

--password-file, -f

File name that contains password of administrator.

[--filter, -x]

Filter (Pattern).

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

[--quiet, -q]

Do not prompt for session invalidation.

ssoadm list-sites

List all sites.

Usage: `ssoadm list-sites --options [--global-options]`

Options

--adminid, -u

Administrator ID of running the command.

--password-file, -f

File name that contains password of administrator.

ssoadm list-xacml

Export policies in realm as XACML.

Usage: `ssoadm list-xacml --options [--global-options]`

Options

--adminid, -u

Administrator ID of running the command.

--password-file, -f

File name that contains password of administrator.

--realm, -e

Name of realm.

[--namesonly, -n]

Returns only names of matching policies. Policies are not returned.

[--outfile, -o]

Filename where policy definition will be printed to. Definition will be printed in standard output if this option is not provided.

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

[--policynames, -p]

Names of policy. This can be a wildcard. All policy definition in the realm will be returned if this option is not provided.

ssoadm policy-export

Export policy configuration for a given realm

Usage: `ssoadm policy-export --options [--global-options]`

Options

--adminid, -u

Administrator ID of running the command.

--jsonfile, -J

JSON file for which to write the policy model to.

--password-file, -f

File name that contains password of administrator.

--realm, -e

Realm name

--servername, -s

Server name, e.g. http://openam.example.com:8080/openam

ssoadm policy-import

Import policy model into a given realm

Usage: `ssoadm policy-import --options [--global-options]`

Options

--adminid, -u

Administrator ID of running the command.

--jsonfile, -J

JSON file containing the policy model to be imported.

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

--password-file, -f

File name that contains password of administrator.

--realm, -e

Realm name

--servername, -s

Server name, e.g. http://openam.example.com:8080/openam

ssoadm register-auth-module

Registers authentication module.

Usage: `ssoadm register-auth-module --options [--global-options]`

Options

--adminid, -u

Administrator ID of running the command.

--authmodule, -a

Java class name of authentication module.

--password-file, -f

File name that contains password of administrator.

ssoadm remove-agent-from-grp

Remove agents from a agent group.

Usage: `ssoadm remove-agent-from-grp --options [--global-options]`

Options

--adminid, -u

Administrator ID of running the command.

--agentgroupname, -b

Name of agent group.

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

--agentnames, -s

Names of agents.

--password-file, -f

File name that contains password of administrator.

--realm, -e

Name of realm.

ssoadm remove-app-priv-resources

Remove policy set privilege resources.

Usage: `ssoadm remove-app-priv-resources --options [--global-options]`

Options

--adminid, -u

Administrator ID of running the command.

--application, -t

Policy set name

--name, -m

Name for the this delegation

--password-file, -f

File name that contains password of administrator.

--realm, -e

Realm name

[--resources, -r]

Resources to removed, All resources in the policy set will be removed if this option is absent.

ssoadm remove-app-priv-subjects

Remove policy set privilege subjects.

Usage: `ssoadm remove-app-priv-subjects --options [--global-options]`

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

Options

`--adminid, -u`

Administrator ID of running the command.

`--name, -m`

Name for the this delegation

`--password-file, -f`

File name that contains password of administrator.

`--realm, -e`

Realm name

`--subjects, -s`

Subject name

`--subjecttype, -b`

Possible values are User or Group

ssoadm remove-app-privs

Remove policy set privileges.

Usage: `ssoadm remove-app-privs --options [--global-options]`

Options

`--adminid, -u`

Administrator ID of running the command.

`--names, -m`

Names of policy set privileges to be removed

`--password-file, -f`

File name that contains password of administrator.

`--realm, -e`

Realm name

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

ssoadm remove-attr-choicevals

Remove choice values from attribute schema.

Usage: `ssoadm remove-attr-choicevals --options [--global-options]`

Options

`--adminid, -u`

Administrator ID of running the command.

`--attributename, -a`

Name of attribute.

`--choicevalues, -k`

Choice values e.g. Inactive

`--password-file, -f`

File name that contains password of administrator.

`--schematype, -t`

Type of schema.

`--servicename, -s`

Name of service.

`[--subschemaname, -c]`

Name of sub schema.

ssoadm remove-attr-defs

Remove default attribute values in schema.

Usage: `ssoadm remove-attr-defs --options [--global-options]`

Options

`--adminid, -u`

Administrator ID of running the command.

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

--attributenames, -a

Attribute name(s).

--password-file, -f

File name that contains password of administrator.

--schematype, -t

Type of schema.

--servicename, -s

Name of service.

[--subschemaname, -c]

Name of sub schema.

ssoadm remove-cot-member

Remove a member from a circle of trust.

Usage: `ssoadm remove-cot-member --options [--global-options]`

Options

--adminid, -u

Administrator ID of running the command.

--cot, -t

Circle of Trust

--entityid, -y

Entity ID

--password-file, -f

File name that contains password of administrator.

[--realm, -e]

Realm where circle of trust resides

[--spec, -c]

Specify metadata specification, either wsfed, idff or saml2, defaults to saml2

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

ssoadm remove-member

Remove membership of identity from another identity

Usage: `ssoadm remove-member --options [--global-options]`

Options

`--adminid, -u`

Administrator ID of running the command.

`--idname, -i`

Name of identity.

`--idtype, -t`

Type of Identity

`--memberidname, -m`

Name of identity that is member.

`--memberidtype, -y`

Type of Identity of member such as User, Role and Group.

`--password-file, -f`

File name that contains password of administrator.

`--realm, -e`

Name of realm.

ssoadm remove-plugin-schema

Add Plug-in interface to service.

Usage: `ssoadm remove-plugin-schema --options [--global-options]`

Options

`--adminid, -u`

Administrator ID of running the command.

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

--interfacename, -i

Name of interface.

--password-file, -f

File name that contains password of administrator.

--pluginname, -g

Name of Plug-in.

--servicename, -s

Name of service.

ssoadm remove-privileges

Remove privileges from an identity

Usage: `ssoadm remove-privileges --options [--global-options]`

Options

--adminid, -u

Administrator ID of running the command.

--idname, -i

Name of identity.

--idtype, -t

Type of Identity such as Role and Group.

--password-file, -f

File name that contains password of administrator.

--privileges, -g

Name of privileges to be removed. Privilege names are AgentAdmin, ApplicationModifyAccess, ApplicationReadAccess, ApplicationTypesReadAccess, ConditionTypesReadAccess, DecisionCombinersReadAccess, EntitlementRestAccess, FederationAdmin, LogAdmin, LogRead, LogWrite, PolicyAdmin, PrivilegeRestAccess, PrivilegeRestReadAccess, RealmAdmin, RealmReadAccess, ResourceTypeModifyAccess, ResourceTypeReadAccess, SubjectAttributesReadAccess, and SubjectTypesReadAccess.

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

--realm, -e

Name of realm.

ssoadm remove-res-bundle

Remove resource bundle from data store.

Usage: `ssoadm remove-res-bundle --options [--global-options]`

Options

--adminid, -u

Administrator ID of running the command.

--bundlename, -b

Resource Bundle Name.

--password-file, -f

File name that contains password of administrator.

[--bundlelocale, -o]

Locale of the resource bundle.

ssoadm remove-server-cfg

Remove server configuration.

Usage: `ssoadm remove-server-cfg --options [--global-options]`

Options

--adminid, -u

Administrator ID of running the command.

--password-file, -f

File name that contains password of administrator.

--propertynames, -a

Name of properties to be removed.

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

--servername, -s

Server name, e.g. http://www.example.com:8080/fam or enter default to remove default server configuration.

ssoadm remove-site-members

Remove members from a site.

Usage: `ssoadm remove-site-members --options [--global-options]`

Options

--adminid, -u

Administrator ID of running the command.

--password-file, -f

File name that contains password of administrator.

--servernames, -e

Server names, e.g. http://www.example.com:8080/fam

--sitename, -s

Site name, e.g. mysite

ssoadm remove-site-sec-urls

Remove Site Secondary URLs.

Usage: `ssoadm remove-site-sec-urls --options [--global-options]`

Options

--adminid, -u

Administrator ID of running the command.

--password-file, -f

File name that contains password of administrator.

--secondaryurls, -a

Secondary URLs

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

--sitename, -s

Site name, e.g. mysite

ssoadm remove-sub-schema

Remove sub schema.

Usage: `ssoadm remove-sub-schema --options [--global-options]`

Options

--adminid, -u

Administrator ID of running the command.

--password-file, -f

File name that contains password of administrator.

--schematype, -t

Type of schema.

--servicename, -s

Name of service.

--subschemanames, -a

Name(s) of sub schema to be removed.

[--subschemaname, -c]

Name of parent sub schema.

ssoadm remove-svc-attrs

Remove service attribute values in a realm.

Usage: `ssoadm remove-svc-attrs --options [--global-options]`

Options

--adminid, -u

Administrator ID of running the command.

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

--password-file, -f

File name that contains password of administrator.

--realm, -e

Name of realm.

--servicename, -s

Name of service.

[--attributevalues, -a]

Attribute values to be removed e.g. homeaddress=here.

[--datafile, -D]

Name of file that contains attribute values to be removed.

ssoadm remove-svc-identity

Remove Service from an identity

Usage: `ssoadm remove-svc-identity --options [--global-options]`

Options

--adminid, -u

Administrator ID of running the command.

--idname, -i

Name of identity.

--idtype, -t

Type of Identity such as User, Role and Group.

--password-file, -f

File name that contains password of administrator.

--realm, -e

Name of realm.

--servicename, -s

Name of service.

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

ssoadm remove-svc-realm

Remove service from a realm.

Usage: `ssoadm remove-svc-realm --options [--global-options]`

Options

`--adminid, -u`

Administrator ID of running the command.

`--password-file, -f`

File name that contains password of administrator.

`--realm, -e`

Name of realm.

`--servicename, -s`

Name of service to be removed.

ssoadm set-appl

Set policy set attributes.

Usage: `ssoadm set-appl --options [--global-options]`

Options

`--adminid, -u`

Administrator ID of running the command.

`--name, -m`

Policy set name

`--password-file, -f`

File name that contains password of administrator.

`--realm, -e`

Realm name

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

[--attributevalues, -a]

Attribute values e.g. applicationType=iPlanetAMWebAgentService.

[--datafile, -D]

Name of file that contains attribute values data. Possible attributes are resources, subjects, conditions, actions, searchIndexImpl, saveIndexImpl, resourceComparator, subjectAttributeNames and entitlementCombiner.

ssoadm set-attr-any

Set any member of attribute schema.

Usage: `ssoadm set-attr-any --options [--global-options]`

Options

--adminid, -u

Administrator ID of running the command.

--any, -y

Attribute Schema Any value

--attributeschema, -a

Name of attribute schema

--password-file, -f

File name that contains password of administrator.

--schematype, -t

Type of schema.

--servicename, -s

Name of service.

[--subschemaname, -c]

Name of sub schema.

ssoadm set-attr-bool-values

Set boolean values of attribute schema.

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

Usage: `ssoadm set-attr-bool-values --options [--global-options]`

Options

`--adminid, -u`

Administrator ID of running the command.

`--attributename, -a`

Name of attribute.

`--falsei18nkey, -j`

Internationalization key for false value.

`--falsevalue, -z`

Value for false.

`--password-file, -f`

File name that contains password of administrator.

`--schematype, -t`

Type of schema.

`--servicename, -s`

Name of service.

`--truei18nkey, -k`

Internationalization key for true value.

`--truevalue, -e`

Value for true.

`[--subschemaname, -c]`

Name of sub schema.

ssoadm set-attr-choicevals

Set choice values of attribute schema.

Usage: `ssoadm set-attr-choicevals --options [--global-options]`

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

Options

`--adminid, -u`

Administrator ID of running the command.

`--attributename, -a`

Name of attribute.

`--password-file, -f`

File name that contains password of administrator.

`--schematype, -t`

Type of schema.

`--servicename, -s`

Name of service.

`[--add, -p]`

Set this flag to append the choice values to existing ones.

`[--choicevalues, -k]`

Choice value e.g. o102=Inactive.

`[--datafile, -D]`

Name of file that contains attribute values data.

`[--subschemaname, -c]`

Name of sub schema.

ssoadm set-attr-defs

Set default attribute values in schema.

Usage: `ssoadm set-attr-defs --options [--global-options]`

Options

`--adminid, -u`

Administrator ID of running the command.

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

--password-file, -f

File name that contains password of administrator.

--schematype, -t

Type of schema.

--servicename, -s

Name of service.

[--attributevalues, -a]

Attribute values e.g. homeaddress=here.

[--datafile, -D]

Name of file that contains attribute values data.

[--subschemaname, -c]

Name of sub schema.

ssoadm set-attr-end-range

Set attribute schema end range.

Usage: `ssoadm set-attr-end-range --options [--global-options]`

Options

--adminid, -u

Administrator ID of running the command.

--attributeschema, -a

Name of attribute schema

--password-file, -f

File name that contains password of administrator.

--range, -r

End range

--schematype, -t

Type of schema.

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

--servicename, -s

Name of service.

[--subschemaname, -c]

Name of sub schema.

ssoadm set-attr-i18n-key

Set i18nKey member of attribute schema.

Usage: `ssoadm set-attr-i18n-key --options [--global-options]`

Options

--adminid, -u

Administrator ID of running the command.

--attributeschema, -a

Name of attribute schema

--i18nkey, -k

Attribute Schema I18n Key

--password-file, -f

File name that contains password of administrator.

--schematype, -t

Type of schema.

--servicename, -s

Name of service.

[--subschemaname, -c]

Name of sub schema.

ssoadm set-attr-start-range

Set attribute schema start range.

Usage: `ssoadm set-attr-start-range --options [--global-options]`

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

Options

`--adminid, -u`

Administrator ID of running the command.

`--attributeschema, -a`

Name of attribute schema

`--password-file, -f`

File name that contains password of administrator.

`--range, -r`

Start range

`--schematype, -t`

Type of schema.

`--servicename, -s`

Name of service.

`[--subschemaname, -c]`

Name of sub schema.

ssoadm set-attr-syntax

Set syntax member of attribute schema.

Usage: `ssoadm set-attr-syntax --options [--global-options]`

Options

`--adminid, -u`

Administrator ID of running the command.

`--attributeschema, -a`

Name of attribute schema

`--password-file, -f`

File name that contains password of administrator.

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

--schematype, -t

Type of schema.

--servicename, -s

Name of service.

--syntax, -x

Attribute Schema Syntax

[--subschemaname, -c]

Name of sub schema.

ssoadm set-attr-type

Set type member of attribute schema.

Usage: `ssoadm set-attr-type --options [--global-options]`

Options

--adminid, -u

Administrator ID of running the command.

--attributeschema, -a

Name of attribute schema

--password-file, -f

File name that contains password of administrator.

--schematype, -t

Type of schema.

--servicename, -s

Name of service.

--type, -p

Attribute Schema Type

[--subschemaname, -c]

Name of sub schema.

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

ssoadm set-attr-ui-type

Set UI type member of attribute schema.

Usage: `ssoadm set-attr-ui-type --options [--global-options]`

Options

`--adminid, -u`

Administrator ID of running the command.

`--attributeschema, -a`

Name of attribute schema

`--password-file, -f`

File name that contains password of administrator.

`--schematype, -t`

Type of schema.

`--servicename, -s`

Name of service.

`--uitype, -p`

Attribute Schema UI Type

`[--subschemaname, -c]`

Name of sub schema.

ssoadm set-attr-validator

Set attribute schema validator.

Usage: `ssoadm set-attr-validator --options [--global-options]`

Options

`--adminid, -u`

Administrator ID of running the command.

`--attributeschema, -a`

Name of attribute schema

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

--password-file, -f

File name that contains password of administrator.

--schematype, -t

Type of schema.

--servicename, -s

Name of service.

--validator, -r

validator class name

[--subschemaname, -c]

Name of sub schema.

ssoadm set-attr-view-bean-url

Set properties view bean URL member of attribute schema.

Usage: `ssoadm set-attr-view-bean-url --options [--global-options]`

Options

--adminid, -u

Administrator ID of running the command.

--attributeschema, -a

Name of attribute schema

--password-file, -f

File name that contains password of administrator.

--schematype, -t

Type of schema.

--servicename, -s

Name of service.

--url, -r

Attribute Schema Properties View Bean URL

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

[--subschemaname, -c]

Name of sub schema.

ssoadm set-entitlement-conf

Set entitlements service configuration

Usage: `ssoadm set-entitlement-conf --options [--global-options]`

Options

--adminid, -u

Administrator ID of running the command.

--password-file, -f

File name that contains password of administrator.

[--attributevalues, -a]

Attribute values e.g. evalThreadSize=4.

[--datafile, -D]

Name of file that contains attribute values data. Possible attributes are evalThreadSize, searchThreadSize, policyCacheSize and indexCacheSize.

ssoadm set-identity-attrs

Set attribute values of an identity

Usage: `ssoadm set-identity-attrs --options [--global-options]`

Options

--adminid, -u

Administrator ID of running the command.

--idname, -i

Name of identity.

--idtype, -t

Type of Identity such as User, Role and Group.

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

--password-file, -f

File name that contains password of administrator.

--realm, -e

Name of realm.

[--attributevalues, -a]

Attribute values e.g. homeaddress=here.

[--datafile, -D]

Name of file that contains attribute values data.

ssoadm set-identity-svc-attrs

Set service attribute values of an identity

Usage: `ssoadm set-identity-svc-attrs --options [--global-options]`

Options

--adminid, -u

Administrator ID of running the command.

--idname, -i

Name of identity.

--idtype, -t

Type of Identity such as User, Role and Group.

--password-file, -f

File name that contains password of administrator.

--realm, -e

Name of realm.

--servicename, -s

Name of service.

[--attributevalues, -a]

Attribute values e.g. homeaddress=here.

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

[--datafile, -D]

Name of file that contains attribute values data.

ssoadm set-inheritance

Set Inheritance value of Sub Schema.

Usage: `ssoadm set-inheritance --options [--global-options]`

Options

--adminid, -u

Administrator ID of running the command.

--inheritance, -r

Value of Inheritance.

--password-file, -f

File name that contains password of administrator.

--schematype, -t

Type of schema.

--servicename, -s

Name of service.

--subschemaname, -c

Name of sub schema.

ssoadm set-plugin-viewbean-url

Set properties view bean URL of plug-in schema.

Usage: `ssoadm set-plugin-viewbean-url --options [--global-options]`

Options

--adminid, -u

Administrator ID of running the command.

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

--interfacename, -i

Name of interface.

--password-file, -f

File name that contains password of administrator.

--pluginname, -g

Name of Plug-in.

--servicename, -s

Name of service.

--url, -r

Properties view bean URL.

ssoadm set-realm-attrs

Set attribute values of a realm.

Usage: `ssoadm set-realm-attrs --options [--global-options]`

Options

--adminid, -u

Administrator ID of running the command.

--password-file, -f

File name that contains password of administrator.

--realm, -e

Name of realm.

--servicename, -s

Name of service.

[--append, -p]

Set this flag to append the values to existing ones.

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

[--attributevalues, -a]

Attribute values e.g. homeaddress=here.

[--datafile, -D]

Name of file that contains attribute values data.

ssoadm set-realm-svc-attrs

Set attribute values of a service that is assigned to a realm. Long content for an attribute can be supplied in a file by appending '-file' to the attribute name, and giving the filename as the value.

Usage: `ssoadm set-realm-svc-attrs --options [--global-options]`

Options

--adminid, -u

Administrator ID of running the command.

--password-file, -f

File name that contains password of administrator.

--realm, -e

Name of realm.

--servicename, -s

Name of service.

[--append, -p]

Set this flag to append the values to existing ones.

[--attributevalues, -a]

Attribute values e.g. homeaddress=here.

[--datafile, -D]

Name of file that contains attribute values data.

ssoadm set-revision-number

Set service schema revision number.

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

Usage: `ssoadm set-revision-number --options [--global-options]`

Options

`--adminid, -u`

Administrator ID of running the command.

`--password-file, -f`

File name that contains password of administrator.

`--revisionnumber, -r`

Revision Number

`--servicename, -s`

Name of service.

ssoadm set-site-id

Set the ID of a site.

Usage: `ssoadm set-site-id --options [--global-options]`

Options

`--adminid, -u`

Administrator ID of running the command.

`--password-file, -f`

File name that contains password of administrator.

`--siteid, -i`

Site's ID, e.g. 10

`--sitename, -s`

Site name, e.g. mysite

ssoadm set-site-pri-url

Set the primary URL of a site.

Usage: `ssoadm set-site-pri-url --options [--global-options]`

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

Options

`--adminid, -u`

Administrator ID of running the command.

`--password-file, -f`

File name that contains password of administrator.

`--sitename, -s`

Site name, e.g. mysite

`--siteurl, -i`

Site's primary URL, e.g. http://site.www.example.com:8080

ssoadm set-site-sec-urls

Set Site Secondary URLs.

Usage: `ssoadm set-site-sec-urls --options [--global-options]`

Options

`--adminid, -u`

Administrator ID of running the command.

`--password-file, -f`

File name that contains password of administrator.

`--secondaryurls, -a`

Secondary URLs

`--sitename, -s`

Site name, e.g. mysite

ssoadm set-sub-cfg

Set sub configuration. Long content for an attribute can be supplied in a file by appending '-file' to the attribute name, and giving the filename as the value.

Usage: `ssoadm set-sub-cfg --options [--global-options]`

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

Options

`--adminid, -u`

Administrator ID of running the command.

`--operation, -o`

Operation (either add/set/delete) to be performed on the sub configuration.

`--password-file, -f`

File name that contains password of administrator.

`--servicename, -s`

Name of service.

`--subconfigname, -g`

Name of sub configuration.

`[--attributevalues, -a]`

Attribute values e.g. homeaddress=here.

`[--datafile, -D]`

Name of file that contains attribute values data.

`[--realm, -e]`

Name of realm (Sub Configuration shall be set to global configuration if this option is not provided).

ssoadm set-svc-attrs

Set service attribute values in a realm. Long content for an attribute can be supplied in a file by appending '-file' to the attribute name, and giving the filename as the value.

Usage: `ssoadm set-svc-attrs --options [--global-options]`

Options

`--adminid, -u`

Administrator ID of running the command.

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

--password-file, -f

File name that contains password of administrator.

--realm, -e

Name of realm.

--servicename, -s

Name of service.

[--attributevalues, -a]

Attribute values e.g. homeaddress=here.

[--datafile, -D]

Name of file that contains attribute values data.

ssoadm set-svc-i18n-key

Set service schema i18n key.

Usage: `ssoadm set-svc-i18n-key --options [--global-options]`

Options

--adminid, -u

Administrator ID of running the command.

--i18nkey, -k

I18n Key.

--password-file, -f

File name that contains password of administrator.

--servicename, -s

Name of service.

ssoadm set-svc-view-bean-url

Set service schema properties view bean URL.

Usage: `ssoadm set-svc-view-bean-url --options [--global-options]`

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

Options

`--adminid, -u`

Administrator ID of running the command.

`--password-file, -f`

File name that contains password of administrator.

`--servicename, -s`

Name of service.

`--url, -r`

Service Schema Properties View Bean URL

ssoadm set-svrcfg-xml

Set server configuration XML to centralized data store

Usage: `ssoadm set-svrcfg-xml --options [--global-options]`

Options

`--adminid, -u`

Administrator ID of running the command.

`--password-file, -f`

File name that contains password of administrator.

`--servername, -s`

Server name, e.g. http://www.example.com:8080/fam

`--xmlfile, -X`

XML file that contains configuration.

ssoadm show-agent

Show agent profile.

Usage: `ssoadm show-agent --options [--global-options]`

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

Options

`--adminid, -u`

Administrator ID of running the command.

`--agentname, -b`

Name of agent.

`--password-file, -f`

File name that contains password of administrator.

`--realm, -e`

Name of realm.

`[--includepassword, -p]`

Include the hashed password in the export.

`[--inherit, -i]`

Set this to inherit properties from parent group.

`[--outfile, -o]`

Filename where configuration is written to.

ssoadm show-agent-grp

Show agent group profile.

Usage: `ssoadm show-agent-grp --options [--global-options]`

Options

`--adminid, -u`

Administrator ID of running the command.

`--agentgroupname, -b`

Name of agent group.

`--password-file, -f`

File name that contains password of administrator.

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

--realm, -e

Name of realm.

[--outfile, -o]

Filename where configuration is written to.

ssoadm show-agent-membership

List agent's membership.

Usage: `ssoadm show-agent-membership --options [--global-options]`

Options

--adminid, -u

Administrator ID of running the command.

--agentname, -b

Name of agent.

--password-file, -f

File name that contains password of administrator.

--realm, -e

Name of realm.

ssoadm show-agent-types

Show agent types.

Usage: `ssoadm show-agent-types --options [--global-options]`

Options

--adminid, -u

Administrator ID of running the command.

--password-file, -f

File name that contains password of administrator.

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

ssoadm show-app-priv

Show policy set privilege.

Usage: `ssoadm show-app-priv --options [--global-options]`

Options

`--adminid, -u`

Administrator ID of running the command.

`--name, -m`

Name of policy set privilege

`--password-file, -f`

File name that contains password of administrator.

`--realm, -e`

Realm name

ssoadm show-appl

Show policy set attributes.

Usage: `ssoadm show-appl --options [--global-options]`

Options

`--adminid, -u`

Administrator ID of running the command.

`--name, -m`

Policy set name

`--password-file, -f`

File name that contains password of administrator.

`--realm, -e`

Realm name

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

ssoadm show-appl-type

Show application type details.

Usage: `ssoadm show-appl-type --options [--global-options]`

Options

`--adminid, -u`

Administrator ID of running the command.

`--name, -m`

Application Type name

`--password-file, -f`

File name that contains password of administrator.

ssoadm show-auth-modules

Show the supported authentication modules in the system.

Usage: `ssoadm show-auth-modules --options [--global-options]`

Options

`--adminid, -u`

Administrator ID of running the command.

`--password-file, -f`

File name that contains password of administrator.

ssoadm show-data-types

Show the supported data type in the system.

Usage: `ssoadm show-data-types --options [--global-options]`

Options

`--adminid, -u`

Administrator ID of running the command.

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

--password-file, -f

File name that contains password of administrator.

ssoadm show-datastore

Show data store profile.

Usage: `ssoadm show-datastore --options [--global-options]`

Options

--adminid, -u

Administrator ID of running the command.

--name, -m

Name of datastore.

--password-file, -f

File name that contains password of administrator.

--realm, -e

Name of realm.

ssoadm show-entitlement-conf

Display entitlements service configuration

Usage: `ssoadm show-entitlement-conf --options [--global-options]`

Options

--adminid, -u

Administrator ID of running the command.

--password-file, -f

File name that contains password of administrator.

ssoadm show-identity-ops

Show the allowed operations of an identity a realm

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

Usage: `ssoadm show-identity-ops --options [--global-options]`

Options

`--adminid, -u`

Administrator ID of running the command.

`--idtype, -t`

Type of Identity such as User, Role and Group.

`--password-file, -f`

File name that contains password of administrator.

`--realm, -e`

Name of realm.

ssoadm show-identity-svc-attrs

Show the service attribute values of an identity

Usage: `ssoadm show-identity-svc-attrs --options [--global-options]`

Options

`--adminid, -u`

Administrator ID of running the command.

`--idname, -i`

Name of identity.

`--idtype, -t`

Type of Identity such as User, Role and Group.

`--password-file, -f`

File name that contains password of administrator.

`--realm, -e`

Name of realm.

`--servicename, -s`

Name of service.

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

ssoadm show-identity-types

Show the supported identity type in a realm

Usage: `ssoadm show-identity-types --options [--global-options]`

Options

`--adminid, -u`

Administrator ID of running the command.

`--password-file, -f`

File name that contains password of administrator.

`--realm, -e`

Name of realm.

ssoadm show-members

Show the members of an identity. For example show the members of a role

Usage: `ssoadm show-members --options [--global-options]`

Options

`--adminid, -u`

Administrator ID of running the command.

`--idname, -i`

Name of identity.

`--idtype, -t`

Type of Identity such as User, Role and Group.

`--membershipidtype, -m`

Membership identity type.

`--password-file, -f`

File name that contains password of administrator.

`--realm, -e`

Name of realm.

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

ssoadm show-memberships

Show the memberships of an identity. For sample show the memberships of an user.

Usage: `ssoadm show-memberships --options [--global-options]`

Options

`--adminid, -u`

Administrator ID of running the command.

`--idname, -i`

Name of identity.

`--idtype, -t`

Type of Identity such as User, Role and Group.

`--membershipidtype, -m`

Membership identity type.

`--password-file, -f`

File name that contains password of administrator.

`--realm, -e`

Name of realm.

ssoadm show-privileges

Show privileges assigned to an identity

Usage: `ssoadm show-privileges --options [--global-options]`

Options

`--adminid, -u`

Administrator ID of running the command.

`--idname, -i`

Name of identity.

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

--idtype, -t

Type of Identity such Role and Group.

--password-file, -f

File name that contains password of administrator.

--realm, -e

Name of realm.

ssoadm show-realm-svcs

Show services in a realm.

Usage: `ssoadm show-realm-svcs --options [--global-options]`

Options

--adminid, -u

Administrator ID of running the command.

--password-file, -f

File name that contains password of administrator.

--realm, -e

Name of realm.

[--mandatory, -y]

Include Mandatory services.

ssoadm show-site

Show site profile.

Usage: `ssoadm show-site --options [--global-options]`

Options

--adminid, -u

Administrator ID of running the command.

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

--password-file, -f

File name that contains password of administrator.

--sitename, -s

Site name, e.g. mysite

ssoadm show-site-members

Display members of a site.

Usage: `ssoadm show-site-members --options [--global-options]`

Options

--adminid, -u

Administrator ID of running the command.

--password-file, -f

File name that contains password of administrator.

--sitename, -s

Site name, e.g. mysite

ssoadm start-recording

Start recording a bundle that contains troubleshooting information, including debug logs, thread dumps, and environment information.

Usage: `ssoadm start-recording --options [--global-options]`

Options

--adminid, -u

Administrator ID of running the command.

--jsonfile, -J

JSON control file for a recording operation.

--password-file, -f

File name that contains password of administrator.

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

--servername, -s

Server name, e.g. http://openam.example.com:8080/openam

ssoadm stop-recording

Stop an active recording operation.

Usage: `ssoadm stop-recording --options [--global-options]`

Options

--adminid, -u

Administrator ID of running the command.

--password-file, -f

File name that contains password of administrator.

--servername, -s

Server name, e.g. http://openam.example.com:8080/openam

ssoadm unregister-auth-module

Unregisters authentication module.

Usage: `ssoadm unregister-auth-module --options [--global-options]`

Options

--adminid, -u

Administrator ID of running the command.

--authmodule, -a

Java class name of authentication module.

--password-file, -f

File name that contains password of administrator.

ssoadm update-agent

Update agent configuration.

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

Usage: `ssoadm update-agent --options [--global-options]`

Options

`--adminid, -u`

Administrator ID of running the command.

`--agentname, -b`

Name of agent.

`--password-file, -f`

File name that contains password of administrator.

`--realm, -e`

Name of realm.

`[--attributevalues, -a]`

Properties e.g. homeaddress=here.

`[--datafile, -D]`

Name of file that contains properties.

`[--set, -s]`

Set this flag to overwrite properties values.

ssoadm update-agent-grp

Update agent group configuration.

Usage: `ssoadm update-agent-grp --options [--global-options]`

Options

`--adminid, -u`

Administrator ID of running the command.

`--agentgroupname, -b`

Name of agent group.

`--password-file, -f`

File name that contains password of administrator.

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

--realm, -e

Name of realm.

[--attributevalues, -a]

Properties e.g. homeaddress=here.

[--datafile, -D]

Name of file that contains properties.

[--set, -s]

Set this flag to overwrite properties values.

ssoadm update-app-priv

Update a policy set privilege.

Usage: `ssoadm update-app-priv --options [--global-options]`

Options

--adminid, -u

Administrator ID of running the command.

--name, -m

Name for the this delegation

--password-file, -f

File name that contains password of administrator.

--realm, -e

Realm name

[--actions, -a]

Possible values are READ, MODIFY, DELEGATE, ALL

[--description, -p]

Description for the this delegation.

ssoadm update-app-priv-resources

Set policy set privilege resources.

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

Usage: `ssoadm update-app-priv-resources --options [--global-options]`

Options

`--adminid, -u`

Administrator ID of running the command.

`--application, -t`

Policy set name

`--name, -m`

Name for the this delegation

`--password-file, -f`

File name that contains password of administrator.

`--realm, -e`

Realm name

`[--add, -p]`

Resources are added to this policy set if this option is set. Otherwise, resources in the current policy set privilege will be overwritten.

`[--resources, -r]`

Resources to delegate, All resources in the policy set will be delegated if this option is absent.

ssoadm update-app-priv-subjects

Set policy set privilege subjects.

Usage: `ssoadm update-app-priv-subjects --options [--global-options]`

Options

`--adminid, -u`

Administrator ID of running the command.

`--name, -m`

Name for the this delegation

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

--password-file, -f

File name that contains password of administrator.

--realm, -e

Realm name

--subjects, -s

Subject name

--subjecttype, -b

Possible values are User or Group

[--add, -p]

Subjects are added to this policy set if this option is set. Otherwise, subjects in the current policy set privilege will be overwritten.

ssoadm update-auth-cfg-entr

Set authentication configuration entries

Usage: `ssoadm update-auth-cfg-entr --options [--global-options]`

Options

--adminid, -u

Administrator ID of running the command.

--name, -m

Name of authentication configuration.

--password-file, -f

File name that contains password of administrator.

--realm, -e

Name of realm.

[--datafile, -D]

Name of file that contains formatted authentication configuration entries in this format name|flag|options. option can be REQUIRED, OPTIONAL, SUFFICIENT, REQUISITE. e.g. myauthmodule|REQUIRED|my options.

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

[--entries, -a]

formatted authentication configuration entries in this format name|flag|options. option can be REQUIRED, OPTIONAL, SUFFICIENT, REQUISITE. e.g. myauthmodule|REQUIRED|my options.

ssoadm update-auth-cfg-props

Set authentication configuration properties

Usage: `ssoadm update-auth-cfg-props --options [--global-options]`

Options

--adminid, -u

Administrator ID of running the command.

--name, -m

Name of authentication configuration.

--password-file, -f

File name that contains password of administrator.

--realm, -e

Name of realm.

[--attributevalues, -a]

authentication configuration properties, valid configuration keys are: iplanet-am-auth-login-failure-url, iplanet-am-auth-login-success-url and iplanet-am-auth-post-login-process-class.

[--datafile, -D]

Name of file that contains authentication configuration properties.

ssoadm update-auth-instance

Update authentication instance values

Usage: `ssoadm update-auth-instance --options [--global-options]`

Options

--adminid, -u

Administrator ID of running the command.

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

--name, -m

Name of authentication instance.

--password-file, -f

File name that contains password of administrator.

--realm, -e

Name of realm.

[--attributevalues, -a]

Attribute values e.g. homeaddress=here.

[--datafile, -D]

Name of file that contains attribute values data.

ssoadm update-datastore

Update data store profile.

Usage: `ssoadm update-datastore --options [--global-options]`

Options

--adminid, -u

Administrator ID of running the command.

--name, -m

Name of datastore.

--password-file, -f

File name that contains password of administrator.

--realm, -e

Name of realm.

[--attributevalues, -a]

Attribute values e.g. sunIdRepoClass=com.sun.identity.idm.plugins.files.FilesRepo.

[--datafile, -D]

Name of file that contains attribute values data.

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

ssoadm update-entity-keyinfo

Update XML signing and encryption key information in hosted entity metadata.

Usage: `ssoadm update-entity-keyinfo --options [--global-options]`

Options

`--adminid, -u`

Administrator ID of running the command.

`--entityid, -y`

Entity ID

`--password-file, -f`

File name that contains password of administrator.

`[--idpecertalias, -g]`

Identity provider encryption certificate aliases.

`[--idpscertalias, -b]`

Identity provider signing certificate aliases

`[--realm, -e]`

Realm where entity resides.

`[--specertalias, -r]`

Service provider encryption certificate aliases

`[--spec, -c]`

Specify metadata specification, either wsfed, idff or saml2, defaults to saml2

`[--spscertalias, -a]`

Service provider signing certificate aliases

ssoadm update-server-cfg

Update server configuration.

Usage: `ssoadm update-server-cfg --options [--global-options]`

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

Options

`--adminid, -u`

Administrator ID of running the command.

`--password-file, -f`

File name that contains password of administrator.

`--servername, -s`

Server name, e.g. http://www.example.com:8080/fam or enter default to update default server configuration.

`[--attributevalues, -a]`

Attribute values e.g. homeaddress=here.

`[--datafile, -D]`

Name of file that contains attribute values data.

ssoadm update-svc

Update service.

Usage: `ssoadm update-svc --options [--global-options]`

Options

`--adminid, -u`

Administrator ID of running the command.

`--password-file, -f`

File name that contains password of administrator.

`--xmlfile, -X`

XML file(s) that contains schema.

`[--continue, -c]`

Continue updating service if one or more previous services cannot be updated.

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

Chapter 1
Configuration Reference

This chapter covers OpenAM configuration properties accessible through the Configure tab of the console, most of which can also be set by using the **ssoadm** command. The chapter is organized to follow the OpenAM console layout.

1.1. Authentication Configuration

As described in "*Defining Authentication Services*" in the *Administration Guide*, you configure authentication by realm at the following locations in the OpenAM console:

- Under Realms > *Realm Name* > Authentication > Settings
- Under Realms > *Realm Name* > Authentication > Modules

You can configure default values for authentication modules under Configure > Authentication using the same attributes you use to configure authentication modules per realm. These defaults are used when a module is created for a specific realm.

The core attributes page includes some fields that are not available under Realms > *Realm Name* > Authentication > Settings. Because attributes set under Configure > Authentication > Core Attributes apply on a server level, the changes you make here will apply to all realms. Attributes set by Realm only apply to the realm that you specify. The Authentication Module Defaults list under Configure > Authentication shows all existing types of modules available for configuration, including any customized modules you have added.

The following are the properties you can configure on the Global tab under Configure > Authentication > Core Attributes. The properties on the other tabs on that page are described in "Configuring Core Authentication Attributes" in the *Administration Guide*.

Pluggable Authentication Module Classes

Add class names for custom authentication modules to this list.

ssoadm attribute: `iplanet-am-auth-authenticators`

LDAP Connection Pool Size, Default LDAP Connection Pool Size

Sets a minimum and maximum number of LDAP connections in the pool for connecting to a directory server. When tuning for production, start with `10:65` (10 minimum, 65 maximum). Explicit settings for specific servers override the default.

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

This attribute is for LDAP and Membership authentication services only.

This connection pool is different than the SDK connection pool configured in `serverconfig.xml`.

ssoadm attributes: `iplanet-am-auth-ldap-connection-pool-size`, and `iplanet-am-auth-ldap-connection-pool-default-size`

Remote Auth Security

Require the authenticating application to send its SSO token. This allows the Authentication Service to obtain the username and password associated with the application.

ssoadm attribute: `sunRemoteAuthSecurityEnabled`

Keep Post Process Objects for Logout Processing, Keep Authentication Module Objects for Logout Processing

When enabled, retain objects used to process authentication or post authentication operations in the user session until the user logs out.

ssoadm attributes: `sunAMAuthKeepPostProcessInstances`, and `sunAMAuthKeepAuthModuleInstances`

XUI Interface

When enabled, the initial login screen uses the XUI.

ssoadm attribute: `openam-xui-interface-enabled`

1.2. Console Configuration

Under Configure > Global Services > Console, you can customize which character sets the OpenAM console uses.

This section describes the following sets of properties:

- "Globalization Settings"

1.2.1. Globalization Settings

Globalization settings affect character sets and common name formats. See "*Localization*" for a list of supported locales.

ssoadm service name: `iPlanetG11NSettings`

Charsets Supported by Each Locale

This table lets you configure the order of supported character sets used for each supported locale. Change the settings only if the defaults are not appropriate.

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

ssoadm attribute: `sun-identity-g11n-settings-locale-charset-mapping`

Charset Aliases

Use this list to map between different character set names used in Java and in MIME.

ssoadm attribute: `sun-identity-g11n-settings-charset-alias-mapping`

Auto Generated Common Name Format

Use this list to configure how OpenAM formats names shown in the console banner.

ssoadm attribute: `sun-identity-g11n-settings-common-name-format`

1.3. System Configuration

Under Configure > Global Services > System, you can change OpenAM settings for server logging, monitoring, service URL naming, locale, cookie domain, and how OpenAM detects specific clients.

This section describes the following sets of properties:

- "Client Detection"
- "Logging"
- "Monitoring"
- "Naming"
- "Platform"

1.3.1. Client Detection

OpenAM can detect client user agents by their HTTP requests.

ssoadm service name: `iPlanetAMClientDetection`

Default Client Type

If no specific match is found for the client type, then this type is used. The default is `genericHTML`, suitable for supported browsers.

ssoadm attribute: `iplanet-am-client-detection-default-client-type`

Client Detection Class

The client detection plugin must implement the `com.iplanet.services.cdm.ClientDetectionInterface`. Client type is a name that uniquely identifies the client to OpenAM. The plugin scans HTTP requests to determine the client type.

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

ssoadm attribute: `iplanet-am-client-detection-class`

Enable Client Detection

If this is enabled, then OpenAM needs an appropriate client detection class implementation, and the authentication user interface must be appropriate for the clients detected.

ssoadm attribute: `iplanet-am-client-detection-enabled`

1.3.2. Logging

You configure OpenAM's legacy logging settings on this page:

Note

OpenAM 13.5.2-15 supports two Audit Logging Services: the legacy Logging Service, which is based on a Java SDK and is available in OpenAM versions prior to OpenAM 13.5.2-15, and a new common REST-based Audit Logging Service available in OpenAM 13.5.2-15. The legacy Logging Service will be deprecated in a future release.

ssoadm service name: `iPlanetAMLoggingService`

Log Rotation

Enable log rotation to cause new log files to be created when configured thresholds are reached, such as *Maximum Log Size* or *Logfile Rotation Interval*.

Maximum Log Size

Sets the maximum log file size in bytes.

ssoadm attribute: `iplanet-am-logging-max-file-size`

Number of History Files

Sets the number of history files for each log that OpenAM keeps, including time-based histories. The previously live file is moved and is included in the history count, and a new log is created to serve as the live log file. Any log file in the history count that goes over the number specified here will be deleted. For time-based logs, a new set of logs will be created when OpenAM is started because of the time-based file names that are used.

ssoadm attribute: `iplanet-am-logging-num-hist-file`

Logfile Rotation Prefix

Set this if you want to add a prefix to log files governed by time-based log rotation.

ssoadm attribute: `openam-logging-file-prefix`

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

Logfile Rotation Suffix

Specify a string to append to log file names when time-based rotation is enabled by using the *Logfile Rotation Interval* setting.

Allows date and time patterns, as defined in SimpleDateFormat. The default value is `-MM.dd.yy-kk.mm`.

ssoadm attribute: `openam-logging-file-suffix`

Logfile Rotation Interval

Specify the amount of time before log file rotation occurs, in minutes. Set to `-1` (the default) to disable time-based logfile rotation and revert to sized-based rotation.

Log File Location

This property is interpreted to determine the location of log files, taking either a file system location or a JDBC URL. The default is `%BASE_DIR%/%SERVER_URI%/log/`.

ssoadm attribute: `iplanet-am-logging-location`

Log Status

Set this to `INACTIVE` to disable the logging system.

ssoadm attribute: `logstatus`

Log Record Resolve Host Name

Enable this to have OpenAM perform a DNS host lookup to populate the host name field for log records. OpenAM requires DNS on the host where it runs. Enabling this feature increases the load on the logging system.

ssoadm attribute: `resolveHostName`

Logging Type

Set this to `DB` to log to a database, or `Syslog` to log to a syslog server. Default: `File`. If you choose `DB` then be sure to set the connection attributes correctly, including the JDBC driver to use.

ssoadm attribute: `iplanet-am-logging-type`

Database User Name

When logging to a database, set this to the user name used to connect to the database. If this attribute is incorrectly set, OpenAM performance suffers.

ssoadm attribute: `iplanet-am-logging-db-user`

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

Database User Password

When logging to a database, set this to the password used to connect to the database. If this attribute is incorrectly set, OpenAM performance suffers.

ssoadm attribute: `iplanet-am-logging-db-password`

Database Driver Name

When logging to a database, set this to the class name of the JDBC driver used to connect to the database. The default is for Oracle. OpenAM also works with the MySQL database driver.

ssoadm attribute: `iplanet-am-logging-db-driver`

Syslog server host

The URL or IP address of the syslog server, for example `http://mysyslog.example.com`, or `localhost`.

ssoadm attribute: `iplanet-am-logging-syslog-host`

Syslog server port

The port number the syslog server is configured to listen to. Often `514`.

ssoadm attribute: `iplanet-am-logging-syslog-port`

Syslog transport protocol

The protocol to use to connect to the syslog server. Either `UDP` or `TCP`.

ssoadm attribute: `iplanet-am-logging-syslog-protocol`

Syslog facility

Syslog uses the facility level to determine the type of program that is logging the message. Often between `local0` and `local7`.

ssoadm attribute: `iplanet-am-logging-syslog-facility`

Syslog connection timeout

The amount of time to wait when attempting to connect to the syslog server before reporting a failure, in seconds.

ssoadm attribute: `iplanet-am-logging-syslog-connection-timeout`

Configurable Log Fields

Select the fields OpenAM includes in log messages using this attribute. By default all fields are included in log messages.

ssoadm attribute: `iplanet-am-logging-logfields`

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

Log Verification Frequency

When secure logging is enabled, set this to how often OpenAM verifies log file content (in seconds).

ssoadm attribute: `iplanet-am-logging-verify-period-in-seconds`

Log Signature Time

When secure logging is enabled, set this to how often OpenAM signs log file content (in seconds).

ssoadm attribute: `iplanet-am-logging-signature-period-in-seconds`

Secure Logging

Set this to `ON` to enable the secure logging system whereby OpenAM digitally signs and verifies log files. You must also set up the Logging Certificate Store for this feature to function.

ssoadm attribute: `iplanet-am-logging-security-status`

Secure Logging Signing Algorithm

Set this to the algorithm used for digitally signing log records.

ssoadm attribute: `iplanet-am-logging-secure-signing-algorithm`

Logging Certificate Store Location

The secure logging system uses the certificate with alias `Logger` that it finds in the keystore specified by this path. The default is `%BASE_DIR%/%SERVER_URI%/Logger.jks`.

ssoadm attribute: `iplanet-am-logging-secure-certificate-store`

Maximum Number of Records

Set this to the maximum number of records read from the logs through the Logging API.

ssoadm attribute: `iplanet-am-logging-max-records`

Number of Files per Archive

Set this to the number of files to be archived by the secure logging system.

ssoadm attribute: `iplanet-am-logging-files-per-keystore`

Buffer Size

The number of log messages buffered in memory before OpenAM flushes them to the log file or the database.

ssoadm attribute: `iplanet-am-logging-buffer-size`

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

DB Failure Memory Buffer Size

Set this to the maximum number of log records to hold in memory if the database to which records are logged is unavailable. If the value is less than Buffer Size, that value takes precedence.

ssoadm attribute: `sun-am-logging-db-max-in-mem`

Buffer Time

Set the time in seconds that OpenAM buffers log messages in memory before flushing the buffer when Time Buffering is ON. The default is 60 seconds.

ssoadm attribute: `iplanet-am-logging-buffer-time-in-seconds`

Time Buffering

Set this to OFF to cause OpenAM to write each log message separately rather than the default of holding messages in a memory buffer that OpenAM flushes periodically, as specified using the Buffer Time attribute.

ssoadm attribute: `iplanet-am-logging-time-buffering-status`

Logging Level

Set the log level for OpenAM. `OFF` is equivalent to setting the status to `INACTIVE`.

ssoadm attribute: `sun-am-log-level`

1.3.3. Monitoring

You enable OpenAM monitoring by using these attributes.

ssoadm service name: `iPlanetAMMonitoringService`

Monitoring Status

Enable monitoring using this attribute.

ssoadm attribute: `iplanet-am-monitoring-enabled`

Monitoring HTTP Port

Set the port number for the HTML monitoring interface.

ssoadm attribute: `iplanet-am-monitoring-http-port`

Monitoring HTTP interface status

Enable the HTML monitoring interface using this attribute.

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

ssoadm attribute: `iplanet-am-monitoring-http-enabled`

Monitoring HTTP interface authentication file path

Set this to path to indicate the file indicating the user name and password used to protect access to monitoring information. The default user name password combination is `demo` and `changeit`. You can encode a new password using the ampassword(1)command.

ssoadm attribute: `iplanet-am-monitoring-authfile-path`

Monitoring RMI Port

Set the port number for the JMX monitoring interface.

ssoadm attribute: `iplanet-am-monitoring-rmi-port`

Monitoring RMI interface status

Enable the JMX monitoring interface using this attribute.

ssoadm attribute: `iplanet-am-monitoring-rmi-enabled`

Monitoring SNMP Port

Set the port number for the SNMP monitoring interface.

ssoadm attribute: `iplanet-am-monitoring-snmp-port`

Monitoring SNMP interface status

Enable the SNMP monitoring interface using this attribute.

ssoadm attribute: `iplanet-am-monitoring-snmp-enabled`

Policy evaluation monitoring history size

Maximum number of policy evaluations on which to base the data exposed through the monitoring system

Valid range is 100 - 1000000. Default: 10000

ssoadm attribute: `iplanet-am-monitoring-policy-window`

Session monitoring history size

Maximum number of session operations on which to base the data exposed through the monitoring system

Valid range is 100 - 1000000. Default: 10000

ssoadm attribute: `iplanet-am-monitoring-session-window`

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

1.3.4. Naming

You can configure URLs for service endpoints.

ssoadm service name: `iPlanetAMNamingService`

Profile Service URL

Set the endpoint used by the profile service.

This attribute is deprecated.

ssoadm attribute: `iplanet-am-naming-profile-url`

Session Service URL

Set the endpoint used by the session service.

ssoadm attribute: `iplanet-am-naming-session-url`

Logging Service URL

Set the endpoint used by the logging service.

ssoadm attribute: `iplanet-am-naming-logging-url`

Policy Service URL

Set the endpoint used by the policy service.

ssoadm attribute: `iplanet-am-naming-policy-url`

Authentication Service URL

Set the endpoint used by the authentication service.

ssoadm attribute: `iplanet-am-naming-auth-url`

SAML Web Profile/Artifact Service URL

Set the SAML v1 endpoint.

ssoadm attribute: `iplanet-am-naming-samlawareservlet-url`

SAML SOAP Service URL

Set the endpoint used by the SAML v1 SOAP service.

ssoadm attribute: `iplanet-am-naming-samlsoapreceiver-url`

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

SAML Web Profile/POST Service URL

Set the SAML v1 Web Profile endpoint.

ssoadm attribute: `iplanet-am-naming-samlpostservlet-url`

SAML Assertion Manager Service URL

Set the endpoint used by the SAML v1 assertion service.

ssoadm attribute: `iplanet-am-naming-samlassertionmanager-url`

Federation Assertion Manager Service URL

Set the endpoint used by the ID-FF assertion manager service.

ssoadm attribute: `iplanet-am-naming-fsassertionmanager-url`

Security Token Manager URL

Set the STS endpoint.

ssoadm attribute: `iplanet-am-naming-securitytokenmanager-url`

JAXRPC Endpoint URL

Set the JAXRPC endpoint used by remote IDM/SMS APIs.

ssoadm attribute: `iplanet-am-naming-jaxrpc-url`

Identity Web Services Endpoint URL

Set the endpoint for Identity WSDL services.

ssoadm attribute: `sun-naming-idsvcs-jaxws-url`

Identity REST Services Endpoint URL

Set the endpoint used for Identity REST services.

ssoadm attribute: `sun-naming-idsvcs-rest-url`

Security Token Service Endpoint URL

Set the STS endpoint.

ssoadm attribute: `sun-naming-sts-url`

Security Token Service MEX Endpoint URL

Set the STS MEX endpoint.

ssoadm attribute: `sun-naming-sts-mex-url`

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

1.3.5. Platform

You can configure the default locale and list of cookie domains.

ssoadm service name: `iPlanetAMPlatformService`

Platform Locale

Set the fallback locale used when the user locale cannot be determined.

ssoadm attribute: `iplanet-am-platform-locale`

Cookie Domains

Set the list of domains into which OpenAM writes cookies.

If you set multiple cookie domains, OpenAM still only sets the cookie in the domain the client uses to access OpenAM. If this property is left blank, then the fully qualified domain name of the server is used to set the cookie domain, meaning that a host cookie rather than a domain cookie is set.

Note that the HTTP response may contain multiple `Set-Cookie` headers for each cookie domain in the domain list. Generally, web browsers will ignore `Set-Cookie` headers for unknown domains.

You can also configure cross domain single sign on (CDSSO) to allow single sign on across multiple domains managed by your organization. For details, see "*Configuring Cross-Domain Single Sign-On*" in the *Administration Guide*.

ssoadm attribute: `iplanet-am-platform-cookie-domains`

1.4. Global Configuration

Under Configure > Global Services, you can set defaults for a range of federation services, password reset, policy configuration, session management, and dynamic user attributes.

This section describes the following sets of properties:

- "Audit Logging"
- "Base URL Source"
- "Common Federation Configuration"
- "Dashboard"
- "Email Service"
- "ForgeRock Authenticator (OATH) Service"

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

- "ForgeRock Authenticator (Push) Service"
- "Legacy User Self Service"
- "Liberty ID-FF Service Configuration"
- "Multi-Federation Protocol"
- "OAuth2 Provider"
- "Password Reset"
- "Policy Configuration"
- "Push Notification Service"
- "RADIUS Server"
- "REST APIs"
- "SAML v2.0 Service Configuration"
- "SAML v2.0 SOAP Binding"
- "Scripting"
- "Session"
- "Session Property Whitelist"
- "Social Authentication Implementations"
- "UMA Provider"
- "User"
- "User Self Service"
- "Validation Service"

1.4.1. Audit Logging

ssoadm service name: `AuditService`

The following are global and realm configuration options:

Audit logging

Enables audit logging.

Possible values: `true`, `false`

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

Default: `true`

ssoadm attribute: `auditEnabled`

Field exclusion policies

Enables filtering of audit events, which will exclude any fields specified from the logs.

Default Class Name: `org.forgerock.openam.audit.configuration.EventFilterDefaultValues`

ssoadm attribute: `fieldFilterPolicy`

The following are CSV audit event handler configuration options:

Enabled

Enables the CSV audit log handler.

Possible values: `true`, `false`

Default: `true`

ssoadm attribute: `enabled`

Topics

Specifies the topics for the CSV handler.

Possible values:

- `Access`
- `Activity`
- `Authentication`
- `Configuration`

Default:

- `Access`
- `Activity`
- `Authentication`
- `Configuration`

ssoadm attribute: `topics`

Log Directory

Specifies the location of the CSV audit log.

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

Default: `%BASE_DIR%/%SERVER_URI%/@LOG_DIR@/`

ssoadm attribute: `location`

Rotation Enabled

Enables the audit log rotation.

Possible values: `true`, `false`

Default: `true`

ssoadm attribute: `rotationEnabled`

Maximum File Size

Specifies the maximum file size (bytes) until log rotation should occur.

Default: `100000000`

ssoadm attribute: `rotationMaxFileSize`

File Rotation Prefix

Specifies the prefix to prepend to audit filenames when rotating the audit files.

ssoadm attribute: `rotationFilePrefix`

File Rotation Suffix

Specifies the suffix to append to audit filenames when rotating the audit files. The suffix should be a timestamp format.

Default: `-yyyy.MM.dd-HH.mm.ss`

ssoadm attribute: `rotationFileSuffix`

Rotation Interval

Specifies the interval to trigger audit file rotations. A negative or zero value disables this feature.

Default: `-1`

ssoadm attribute: `rotationInterval`

Rotation Times

Specifies a time duration after midnight to trigger file rotation, in seconds. For example, you can provide a value of `3600` to trigger rotation at 1:00 AM.

ssoadm attribute: `rotationTimes`

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

Maximum Number of Historical Files

Specifies a maximum number of allowed backup audit files. A value of -1 disables pruning of old audit files.

Default: `1`

ssoadm attribute: `retentionMaxNumberOfHistoryFiles`

Maximum Disk Space

Specifies the maximum amount of disk space the audit files can occupy. OpenAM does not check the amount of disk space audit log files occupy if yo specify a negative number or zero.

Default: `-1`

ssoadm attribute: `retentionMaxDiskSpaceToUse`

Minimum Free Space Required

Specifies the minimum amount of disk space required on the filesystem where audit files are stored. A negative or zero value disables this policy.

Default: `-1`

ssoadm attribute: `retentionMinFreeSpaceRequired`

Buffering Enabled

Enables log buffering.

Possible values: `true`, `false`

Default: `true`

ssoadm attribute: `bufferingEnabled`

Flush Each Event Immediately

Enables automatic flushing of the buffer after each event.

Possible values: `true`, `false`

Default: `false`

ssoadm attribute: `bufferingAutoFlush`

Is Enabled

Enables tamper evident logging.

Possible values: `true`, `false`

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

Default: `false`

ssoadm attribute: `securityEnabled`

Certificate Store Location

Specifies the location of the Java keystore used for tamper proofing.

Default: `%BASE_DIR%/%SERVER_URI%/Logger.jks`

ssoadm attribute: `securityFilename`

Certificate Store Password

Specifies the Java keystore password.

ssoadm attribute: `securityPassword`

Signature Interval

Specifies the time interval in seconds that a digital signature should be inserted into the audit log entry.

Default: `900` (seconds)

ssoadm attribute: `securitySignatureInterval`

Factory Class Name

Specifies the class name of the factory responsible for creating the Audit Event Handler. The class must implement the `org.forgerock.openam.audit.AuditEventHandlerFactory` interface.

Default: `org.forgerock.openam.audit.events.handlers.CsvAuditEventHandlerFactory`

ssoadm attribute: `handlerFactory`

The following are syslog audit event handler configuration options:

Enabled

Enables the syslog audit log handler.

Possible values: `true`, `false`

Default: `true`

ssoadm attribute: `enabled`

Topics

Specifies the topics for the syslog handler.

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

Possible values:

- `Access`
- `Activity`
- `Authentication`
- `Configuration`

Default:

- `Access`
- `Activity`
- `Authentication`
- `Configuration`

ssoadm attribute: `topics`

Server Hostname

Specifies the syslog server hostname.

ssoadm attribute: `host`

Server Port

Specifies the syslog server port.

ssoadm attribute: `port`

Transport Protocol

Specifies the syslog transport protocol.

Possible values: `TCP`, `UDP`

Default: `TCP`

ssoadm attribute: `transportProtocol`

Connection timeout

Specifies the connection timeout (seconds) to the syslog server.

ssoadm attribute: `connectTimeout`

Facility

Specifies the syslog facility value to apply to all events.

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

Possible values:

- `AUTH`
- `AUTHPRIV`
- `CLOCKD`
- `CRON`
- `DAEMON`
- `FTP`
- `KERN`
- `LOCAL0`
- `LOCAL1`
- `LOCAL2`
- `LOCAL3`
- `LOCAL4`
- `LOCAL5`
- `LOCAL6`
- `LOCAL7`
- `LOGALERT`
- `LOGAUDIT`
- `LPR`
- `MAIL`
- `NEWS`
- `NTP`
- `SYSLOG`
- `USER`
- `UUCP`

Default: `USER`

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

ssoadm attribute: `facility`

Buffering Enabled

Enables log buffering.

Possible values: `true`, `false`

Default: `true`

ssoadm attribute: `bufferingEnabled`

Factory Class Name

Specifies the class name of the factory responsible for creating the Audit Event Handler. The class must implement the `org.forgerock.openam.audit.AuditEventHandlerFactory` interface.

Default: `org.forgerock.openam.audit.events.handlers.SyslogAuditEventHandlerFactory`

ssoadm attribute: `handlerFactory`

The following are JDBC audit event handler configuration options:

Enabled

Enables the JDBC audit log handler.

Possible values: `true`, `false`

Default: `true`

ssoadm attribute: `enabled`

Topics

Specifies the topics for the JDBC handler.

Possible values:

- `Access`
- `Activity`
- `Authentication`
- `Configuration`

Default:

- `Access`
- `Activity`

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

- `Authentication`
- `Configuration`

ssoadm attribute: `topics`

Database Type

Specifies the database type for the JDBC handler.

Possible values: `Oracle`, `MySQL`, `Other`

Default: `Oracle`

ssoadm attribute: `databaseType`

JDBC Database URL

Specifies the database URL.

ssoadm attribute: `jdbcUrl`

JDBC Driver

Specifies the JDBC driver class name.

ssoadm attribute: `driverClassName`

Database Username

Specifies the username to access the database server.

ssoadm attribute: `username`

Database Password

Specifies the password to access the database server.

ssoadm attribute: `password`

Connection Timeout

Specifies the maximum wait time in seconds before failing the connection. attempt.

Default: `30` (seconds)

ssoadm attribute: `connectionTimeout`

Maximum Connection Idle Timeout

Specifies the maximum idle time in seconds before the connection is closed. attempt.

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

Default: `600` (seconds)

ssoadm attribute: `idleTimeout`

Maximum Connection Time

Specifies the maximum time in seconds a JDBC connection can be open. attempt.

Default: `1800` (seconds)

ssoadm attribute: `maxLifetime`

Minimum Idle Connections

Specifies the minimum number of idle connections in the connection pool.

Default: `10`

ssoadm attribute: `minIdle`

Maximum Connections

Specifies the maximum number of connections in the connection pool.

Default: `10`

ssoadm attribute: `maxPoolSize`

Autocommit (ssoadm only)

Specifies if the database connection should be in autocommit mode.

Possible values: `true`, `false`

Default: `false`

ssoadm attribute: `autoCommit`

Authentication Event Table (ssoadm only)

Specifies the authentication event table.

Default: `am_auditauthentication`

ssoadm attribute: `authenticationEventTable`

Authentication Event Columns (ssoadm only)

Specifies the authentication event columns.

Default Class Name: `org.forgerock.openam.audit.configuration.JdbcFieldToColumnDefaultValues` Attribute Value Pair: `topic, authentication`

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

ssoadm attribute: `authenticationEventColumns`

Activity Event Table (ssoadm only)

Specifies the activity event table.

Default: `am_auditactivity`

ssoadm attribute: `activityEventTable`

Activity Event Columns (ssoadm only)

Specifies the activity event columns.

Default Class Name: `org.forgerock.openam.audit.configuration.JdbcFieldToColumnDefaultValues` Attribute Value Pair: `topic, activity`

ssoadm attribute: `activityEventColumns`

Access Event Table (ssoadm only)

Specifies the access event table.

Default: `am_auditaccess`

ssoadm attribute: `accessEventTable`

Access Event Columns (ssoadm only)

Specifies the access event columns.

Default Class Name: `org.forgerock.openam.audit.configuration.JdbcFieldToColumnDefaultValues` Attribute Value Pair: `topic, access`

ssoadm attribute: `accessEventColumns`

Config Event Table (ssoadm only)

Specifies the config event table.

Default: `am_auditconfig`

ssoadm attribute: `configEventTable`

Config Event Columns (ssoadm only)

Specifies the access event columns.

Default Class Name: `org.forgerock.openam.audit.configuration.JdbcFieldToColumnDefaultValues` Attribute Value Pair: `topic, config`

ssoadm attribute: `configEventColumns`

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

Buffering Enabled

Enables log buffering.

Possible values: `true`, `false`

Default: `true`

ssoadm attribute: `bufferingEnabled`

Buffer Size

Specifies the size of the buffer queue.

Default: `100000`

ssoadm attribute: `bufferingMaxSize`

Write Interval

Specifies the interval (seconds) at which buffered events are written to the database.

Default: `5` (seconds)

ssoadm attribute: `bufferingWriteInterval`

Writer Threads

Specifies the number of threads used to write the buffered events.

Default: `1`

ssoadm attribute: `bufferingWriterThreads`

Max Batched Events

Specifies the maximum number of batched statements the database can support per connection.

Default: `100`

ssoadm attribute: `bufferingMaxBatchedEvents`

Factory Class Name

Specifies the class name of the factory responsible for creating the Audit Event Handler. The class must implement the `org.forgerock.openam.audit.AuditEventHandlerFactory` interface.

Default: `org.forgerock.openam.audit.events.handlers.JdbcAuditEventHandlerFactory`

ssoadm attribute: `handlerFactory`

The following are Elasticsearch audit event handler configuration options:

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

Enabled

Enables the Elasticsearch audit log handler.

Possible values: `true`, `false`

Default: `true`

ssoadm attribute: `enabled`

Topics

Specifies the topics for the Elasticsearch handler.

Possible values:

- `Access`
- `Activity`
- `Authentication`
- `Configuration`

Default:

- `Access`
- `Activity`
- `Authentication`
- `Configuration`

ssoadm attribute: `topics`

Server Hostname

Host name or IP address of the Elasticsearch server.

ssoadm attribute: `host`

Server Port

Specifies the port number used to access Elasticsearch's REST API.

Default: `9200`

ssoadm attribute: `port`

SSL Enabled

Specifies whether SSL is configured on the Elasticsearch server.

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

If SSL is enabled, be sure to import the CA certificate used to sign Elasticsearch node certificates into the Java keystore on the host that runs OpenAM before attempting to log audit events to Elasticsearch.

Possible values: `true`, `false`

Default: `false`

ssoadm attribute: `sslEnabled`

Elasticsearch Index

Specifies the name of the Elasticsearch index to be used for OpenAM audit logging.

ssoadm attribute: `index`

Username

Specifies the username to access the Elasticsearch server. Required if Elasticsearch Shield authentication is configured.

ssoadm attribute: `username`

Password

Specifies the password to access the Elasticsearch server. Required if Elasticsearch Shield authentication is configured.

ssoadm attribute: `password`

Buffering Enabled

Enables log buffering.

Possible values: `true`, `false`

Default: `true`

ssoadm attribute: `bufferingEnabled`

Batch Size

Specifies the number of audit log events to hold in the buffer before writing them to Elasticsearch.

Default: `500`

ssoadm attribute: `batchSize`

Queue Capacity

Specifies the maximum number of audit events in the buffer. Additional audit events are dropped.

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

Default: `10000`

ssoadm attribute: `maxEvents`

Write Interval

Specifies the interval (milliseconds) at which buffered events are written to the database.

Default: `250` (milliseconds)

ssoadm attribute: `writeInterval`

Factory Class Name

Specifies the class name of the factory responsible for creating the Audit Event Handler. The class must implement the `org.forgerock.openam.audit.AuditEventHandlerFactory` interface.

Default: `org.forgerock.openam.audit.events.handlers.ElasticsearchAuditEventHandlerFactory`

ssoadm attribute: `handlerFactory`

The following are JMS audit event handler configuration options:

Enabled

Enables the JMS audit log handler.

Possible values: `true`, `false`

Default: `true`

ssoadm attribute: `enabled`

Topics

Specifies the topics [1] for the JMS audit log handler.

Possible values:

- `Access`
- `Activity`
- `Authentication`
- `Configuration`

Default:

[1] Note that OpenAM and JMS use the term *topic* differently. An OpenAM audit topic is a category of audit log event that has an associated one-to-one mapping to a schema type. A JMS topic is a distribution mechanism for publishing messages delivered to multiple subscribers.

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

- `Access`
- `Activity`
- `Authentication`
- `Configuration`

ssoadm attribute: `topics`

Delivery Mode

Specifies whether JMS messages used to transmit audit events use persistent or non-persistent delivery.

With persistent delivery, the JMS provider ensures that messages are not lost in transit in case of a provider failure by logging messages to storage when they are sent.

Specify the delivery mode as persistent if it is unacceptable for delivery of audit events to be lost in JMS transit. If the possible loss of audit events is acceptable, choose non-persistent delivery, which provides better performance.

Possible values: `PERSISTENT`, `NON_PERSISTENT`

Default: `NON_PERSISTENT`

ssoadm attribute: `deliveryMode`

Session Mode

Specifies the JMS session acknowledgement mode: auto mode, duplicates OK mode, or client mode:

- Auto mode guarantees once-only delivery of JMS messages used to transmit audit events.
- Duplicates OK mode ensures that messages are delivered at least once.
- Client mode does not ensure delivery.

Use the default setting, `AUTO`, unless your JMS broker implementation requires otherwise. See your broker documentation for more information.

Possible values: `AUTO`, `CLIENT`, `DUPS_OK`

Default: `AUTO`

ssoadm attribute: `sessionMode`

JNDI Context Properties

Specifies JNDI properties that OpenAM uses to connect to the JMS message broker to which OpenAM will publish audit events.

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

OpenAM acts as a JMS client, using a JMS connection factory to connect to your JMS message broker. In order for OpenAM to connect to the broker, the JNDI context properties must conform to those needed by the broker. See the documentation for your JMS message broker for required values.

Default: The default properties are example properties for connecting to Apache ActiveMQ:

- `[java.naming.factory.initial]=org.apache.activemq.jndi.ActiveMQInitialContextFactory`
- `[java.naming.provider.url]=tcp://localhost:61616`
- `[topic.audit]=audit`

ssoadm attribute: `jndiContextProperties`

JMS Topic Name

Specifies the name of the JMS topic[1] to which OpenAM publishes audit events.

Default: `audit`

ssoadm attribute: `jndiTopicName`

JMS Connection Factory Name

Specifies the JNDI lookup name for the connection factory exposed by your JMS message broker. OpenAM performs a JNDI lookup on this name to locate your broker's connection factory.

See the documentation for your JMS message broker for the required value.

Default: `ConnectionFactory`, which is the connection factory name for Apache ActiveMQ.

ssoadm attribute: `jndiConnectionFactoryName`

Batch enabled

Enables batch delivery of audit events.

Possible values: `true`, `false`

Default: `true`

ssoadm attribute: `batchEnabled`

Capacity

Specifies the maximum number of audit events in the batch queue. When this number is exceeded, additional audit events are dropped.

Default: `1000`

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

ssoadm attribute: `batchCapacity`

Max Batched

Specifies the maximum number of audit events transmitted before a batch acknowledgement is received from JMS.

Default: `100`

ssoadm attribute: `maxBatchedEvents`

Thread Count

Specifies the number of concurrent worker threads that OpenAM uses to pull audit events from the batch queue and transmit them to the JMS message broker.

Default: `3`

ssoadm attribute: `batchThreadCount`

Insert Timeout

Specifies the timeout period (seconds) for queued events to be transmitted to the JMS message broker.

Default: `60` (seconds)

ssoadm attribute: `insertTimeoutSec`

Polling Timeout

Specifies the period (seconds) that worker threads wait for new audit events before becoming idle.

Default: `10` (seconds)

ssoadm attribute: `pollTimeoutSec`

Shutdown Timeout

Specifies the period (seconds) that worker threads wait for new audit events before shutting down.

Default: `60` (seconds)

ssoadm attribute: `shutdownTimeoutSec`

Factory Class Name

Specifies the class name of the factory responsible for creating the Audit Event Handler. The class must implement the `org.forgerock.openam.audit.AuditEventHandlerFactory` interface.

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

Default: `org.forgerock.openam.audit.events.handlers.JmsAuditEventHandlerFactory`

ssoadm attribute: `handlerFactory`

1.4.2. Base URL Source

Configure the Base URL Source Service at the realm level, not as a global service.

For more information, see "Configuring the Base URL Source Service" in the *Administration Guide*.

1.4.3. Common Federation Configuration

ssoadm service name: `sunFAMFederationCommon`

Datastore SPI implementation class

Used by the Federation system to access user profile attributes

ssoadm attribute: `DatastoreClass`

ConfigurationInstance SPI implementation class

Used by the Federation system to access service configuration

ssoadm attribute: `ConfigurationClass`

Logger SPI implementation class

Used by the Federation system to record log messages

ssoadm attribute: `LoggerClass`

SessionProvider SPI implementation class

Used by the Federation system to access the session service

ssoadm attribute: `SessionProviderClass`

Maximum allowed content length

Maximum number of bytes for Federation communications

ssoadm attribute: `MaxContentLength`

PasswordDecoder SPI implementation class

Used by the Federation system to decode passwords encoded by OpenAM

ssoadm attribute: `PasswordDecoderClass`

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

SignatureProvider SPI implementation class

Used by the Federation system digitally to sign SAML documents

ssoadm attribute: `SignatureProviderClass`

KeyProvider SPI implementation class

Used by the Federation system to access the Java keystore

ssoadm attribute: `KeyProviderClass`

Check presence of certificates

If enabled, OpenAM checks that the partner's signing certificate presented in the XML matches the certificate from the partner's metadata

ssoadm attribute: `CheckCert`

XML canonicalization algorithm

Algorithm used to render the canonical versions of XML documents

ssoadm attribute: `CannonicalizationAlgorithm`

XML signature algorithm

Algorithm used to sign XML documents

ssoadm attribute: `SignatureAlgorithm`

XML digest algorithm

Digest algorithm used to sign XML documents

ssoadm attribute: `DigestAlgorithm`

Query String signature algorithm (RSA)

Default signature algorithm used with RSA keys

ssoadm attribute: `QuerySignatureAlgorithmRSA`

Query String signature algorithm (DSA)

Default signature algorithm used with DSA keys

ssoadm attribute: `QuerySignatureAlgorithmDSA`

Query String signature algorithm (EC)

Default signature algorithm used with EC keys

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

ssoadm attribute: `QuerySignatureAlgorithmEC`

XML transformation algorithm

Algorithm used for XML transformations

ssoadm attribute: `TransformationAlgorithm`

SAML Error Page URL

OpenAM redirects users here when an error occurs in the SAML2 engine. Users are redirected to absolute URLs, whereas relative URLs are displayed within the request.

ssoadm attribute: `SAMLErrorPageURL`

SAML Error Page HTTP Binding

Set this either to `HTTP-Redirect` or to `HTTP-POST`.

ssoadm attribute: `SAMLErrorPageHTTPBinding`

Monitoring Agent Provider Class

Used by the Federation system to access the monitoring system

ssoadm attribute: `MonAgentClass`

Monitoring Provider Class for SAML1

Used by the SAMLv1 engine to access the monitoring system

ssoadm attribute: `MonSAML1Class`

Monitoring Provider Class for SAML2

Used by the SAML2 engine to access the monitoring system

ssoadm attribute: `MonSAML2Class`

Monitoring Provider Class for ID-FF

Used by the ID-FF engine to access the monitoring system

ssoadm attribute: `MonIDFFClass`

1.4.4. Dashboard

ssoadm service name: `dashboardService`

The following properties are available for each Dashboard Service secondary configuration instance:

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

Dashboard Class Name

Identifies how to access the application, for example `SAML2ApplicationClass` for a SAML v2.0 application

ssoadm attribute: `dashboardClassName`

Dashboard Name

The application name as it will appear to the administrator for configuring the dashboard

ssoadm attribute: `dashboardName`

Dashboard Display Name

The application name that displays on the dashboard client

ssoadm attribute: `dashboardDisplayName`

Dashboard Icon

The icon name that will be displayed on the dashboard client identifying the application

ssoadm attribute: `dashboardIcon`

Dashboard Login

The URL that takes the user to the application

ssoadm attribute: `dashboardLogin`

The following property is a realm attribute of the Dashboard Service:

Available Dashboard Apps

List of application dashboard names available by default for realms with the Dashboard configured

ssoadm attribute: `assignedDashboard`

1.4.5. Email Service

ssoadm service name: `ForgeRockSendEmailService`

Email Message Implementation Class

Specifies the class that sends email notifications, such as those sent for user registration and forgotten passwords.

Default: `org.forgerock.openam.services.email.MailServerImpl`

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

ssoadm attribute: `forgerockMailServerImplClassName`

Mail Server Host Name

Specifies the fully qualified domain name of the SMTP mail server through which to send email notifications.

Default: `smtp.gmail.com`

ssoadm attribute: `forgerockEmailServiceSMTPHostName`

Mail Server Host Port

Specifies the port number for the SMTP mail server.

Default: `465`

ssoadm attribute: `forgerockEmailServiceSMTPHostPort`

Mail Server Authentication Username

Specifies the user name for the SMTP mail server.

Default: `forgerocksmtp`

ssoadm attribute: `forgerockEmailServiceSMTPUserName`

Mail Server Authentication Password

Specifies the password for the SMTP user name.

ssoadm attribute: `forgerockEmailServiceSMTPUserPassword`

Mail Server Secure Connection

Specifies whether to connect to the SMTP mail server using SSL.

Default: use SSL (`true`)

ssoadm attribute: `forgerockEmailServiceSMTPSSLEnabled`

Email From Address

Specifies the address from which to send email notifications.

Default: `no-reply@openam.org`

ssoadm attribute: `forgerockEmailServiceSMTPFromAddress`

Email Attribute Name

Specifies the profile attribute from which to retrieve the end user's email address.

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

Default: `mail`

ssoadm attribute: `openamEmailAttribute`

Email Subject

Specifies a subject for notification messages. If you do not set this OpenAM does not set the subject for notification messages.

ssoadm attribute: `forgerockEmailServiceSMTPSubject`

Email Content

Specifies content for notification messages. If you do not set this OpenAM includes only the confirmation URL in the mail body.

ssoadm attribute: `forgerockEmailServiceSMTPMessage`

1.4.6. ForgeRock Authenticator (OATH) Service

ssoadm service name: `AuthenticatorOATH`

Profile Storage Attribute

Attribute for storing ForgeRock Authenticator OATH profiles. The default attribute, `oathDeviceProfiles`, is added to the user store during OpenAM installation. If you want to use a different attribute, you must make sure to add it to your user store schema prior to deploying two-step verification with a ForgeRock OATH authenticator app in OpenAM. OpenAM must be able to write to the attribute.

Default: `oathDeviceProfiles`

ssoadm attribute: `iplanet-am-authenticator-oath-attr-name`

Device Profile Encryption Scheme

Encryption scheme for securing device profiles stored on the server. You can choose not to encrypt the device profiles, or to use one of the following encryption schemes:

- AES-128/HMAC-SHA-256 with RSA key wrapping
- AES-256/HMAC-SHA-512 with RSA key wrapping

Default: no encryption.

ssoadm attribute: `openam-authenticator-oath-device-settings-encryption-scheme`

Encryption Key Store

Path to the keystore from which to load encryption keys.

ssoadm attribute: `openam-authenticator-oath-device-settings-encryption-keystore`

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

Key Store Type

Type of encryption keystore. Options include JCEKS, JKS, PKCS#11, and PKCS#12. Default: `JKS`

> **Note**
>
> Before using a PKCS#11 keystore, make sure your Java runtime environment supports it. For more information, see the *JDK 8 PKCS#11 Reference Guide*.

ssoadm attribute: `openam-authenticator-oath-device-settings-encryption-keystore-type`

Key Store Password

Password to unlock the keystore. This password is encrypted when it is saved in the OpenAM configuration. You should modify the default value, `changeit`.

ssoadm attribute: `openam-authenticator-oath-device-settings-encryption-keystore-password`

Key-Pair Alias

Alias of the certificate and private key in the keystore. The private key is used to encrypt and decrypt device profiles.

ssoadm attribute: `openam-authenticator-oath-device-settings-encryption-keypair-alias`

Private Key Password

Password to unlock the private key.

ssoadm attribute: `openam-authenticator-oath-device-settings-encryption-privatekey-password`

ForgeRock Authenticator (OATH) Device Skippable Attribute Name

The data store attribute that holds the user's decision to enable or disable obtaining a providing a password obtained from a ForgeRock OATH authenticator app. This attribute must be writeable. The default attribute is `oath2faEnabled`.

ssoadm attribute: `iplanet-am-authenticator-oath-skippable-name`

1.4.7. ForgeRock Authenticator (Push) Service

ssoadm service name: `AuthenticatorPush`

Profile Storage Attribute

Attribute for storing ForgeRock Authenticator Push device profiles. The default attribute, `pushDeviceProfiles`, is added to the schema when you prepare a user store for use with OpenAM. If you want to use a different attribute, you must make sure to add it to your user store schema prior to deploying push notifications with the ForgeRock Authenticator app in OpenAM. OpenAM must be able to write to the attribute.

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

Default: `pushDeviceProfiles`

ssoadm attribute: `iplanet-am-auth-authenticator-push-attr-name`

Device Profile Encryption Scheme

Encryption scheme for securing device profiles stored on the server. You can choose not to encrypt the device profiles, or to use one of the following encryption schemes:

- AES-128/HMAC-SHA-256 with RSA key wrapping
- AES-256/HMAC-SHA-512 with RSA key wrapping

Default: no encryption.

ssoadm attribute: `openam-auth-authenticator-push-device-settings-encryption-scheme`

Encryption Key Store

Path to the keystore from which to load encryption keys.

ssoadm attribute: `openam-auth-authenticator-push-device-settings-encryption-keystore`

Key Store Type

Type of encryption keystore. Options include JCEKS, JKS, PKCS#11, and PKCS#12.

> **Note**
>
> Before using a PKCS#11 keystore, make sure your Java runtime environment supports it. For more information, see the *JDK 8 PKCS#11 Reference Guide*.

Default: `JKS`

ssoadm attribute: `openam-auth-authenticator-push-device-settings-encryption-keystore-type`

Key Store Password

Password to unlock the keystore. This password is encrypted when it is saved in the OpenAM configuration. You should modify the default value, `changeit`.

Default: `changeit`

ssoadm attribute: `openam-auth-authenticator-push-device-settings-encryption-keystore-password`

Key-Pair Alias

Alias of the certificate and private key in the keystore. The private key is used to encrypt and decrypt device profiles.

ssoadm attribute: `openam-auth-authenticator-push-device-settings-encryption-keypair-alias`

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

Private Key Password

Password to unlock the private key.

ssoadm attribute: `openam-auth-authenticator-push-device-settings-encryption-privatekey-password`

1.4.8. Legacy User Self Service

Note

OpenAM 13.5.2-15 supports two user self-service components: the Legacy User Self Service, which is based on a Java SDK and is available in OpenAM versions prior to OpenAM 13.5.2-15, and a new common REST-based/XUI-based User Self Service available in OpenAM 13.5.2-15. The Legacy User Self Service will be deprecated in a future release.

ssoadm service name: `RestSecurity`

The order of options that appear in the console may vary depending on whether you are running from a new installation or an upgrade of OpenAM.

Self-Registration for Users

If enabled, new users can sign up using a REST API client.

Default: not enabled

ssoadm attribute: `forgerockRESTSecuritySelfRegistrationEnabled`

Self-Registration Token LifeTime (seconds)

Maximum life time for the token allowing user self-registration using the REST API.

Default: `900` (seconds)

ssoadm attribute: `forgerockRESTSecuritySelfRegTokenTTL`

Self-Registration Confirmation Email URL

This page handles the HTTP GET request when the user clicks the link sent by email in the confirmation request.

Default: *`deployment-base-url`*`/XUI/confirm.html` where *deployment-base-url* is something like `https://openam.example.com:8443/openam`

ssoadm attribute: `forgerockRESTSecuritySelfRegConfirmationUrl`

Forgot Password for Users

If enabled, users can assign themselves a new password using a REST API client.

Default: not enabled

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

ssoadm attribute: `forgerockRESTSecurityForgotPasswordEnabled`

Forgot Password Token LifeTime (seconds)

Maximum life time for the token that allows a user to process a forgotten password using the REST API.

Default: `900` (seconds)

ssoadm attribute: `forgerockRestSecurityForgotPassTokenTTL`

Forgot Password Confirmation Email URL

This page handles the HTTP GET request when the user clicks the link sent by email in the confirmation request.

Default: *`deployment-base-url`*`/XUI/confirm.html` where *deployment-base-url* is something like `https://openam.example.com:8443/openam`

ssoadm attribute: `forgerockRESTSecurityForgotPassConfirmationUrl`

Protected User Attributes

A list of user profile attributes. Users modifying any of the attributes in this list will be required to enter a password as confirmation before the change is accepted.

This option applies to XUI deployments only.

Default: No user attributes are protected.

ssoadm attribute: `forgerockRESTSecurityProtectedUserAttributes`

1.4.9. Liberty ID-FF Service Configuration

ssoadm service name: `sunFAMIDFFConfiguration`

Federation Cookie Name

Cookie name for Liberty ID-FF

ssoadm attribute: `FedCookieName`

IDP Proxy Finder SPI implementation class

Used by the ID-FF engine to find the IDP proxy

ssoadm attribute: `IDPProxyFinderClass`

Request cache cleanup interval

Seconds between times OpenAM cleans up the request cache

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

ssoadm attribute: `RequestCacheCleanupInterval`

Request cache timeout

Seconds cached requests remain valid

ssoadm attribute: `RequestCacheTimeout`

IDP Login URL

Login URL for the ID-FF IDP

ssoadm attribute: `IDPLoginURL`

XML signing on

If yes, require XML signing.

ssoadm attribute: `XMLSigningOn`

1.4.10. Multi-Federation Protocol

ssoadm service name: `sunMultiFederationProtocol`

Single Logout Handler List

List of logout handlers used for each different federation protocol.

ssoadm attribute: `SingleLogoutHandlerList`

1.4.11. OAuth2 Provider

ssoadm service name: `OAuth2Provider`

Token Blacklist Cache Size

Number of blacklisted tokesn to cache in memory to speed up blacklist checks and reduce the CST load.

Default: `10000`

Range: 0 to 2147483647

ssoadm attribute: `blacklistCacheSize`

Blacklist Poll Interval (seconds)

Length of time in seconds to poll for token blacklist changes from other servers.

Default: `60`

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

Range: 0 to 2147483647

ssoadm attribute: `blacklistPollInterval`

Blacklist Purge Delay (minutes)

Length of time in minutes to blacklist tokens beyond their expiry time.

Default: `1`

Range: 0 to 2147483647

ssoadm attribute: `blacklistPurgeDelay`

Use Stateless Access & Refresh Tokens

When enabled, OpenAM issues access and refresh tokens that can be inspected by resource servers.

Default: `false`

ssoadm attribute: `statelessTokensEnabled`

Authorization Code Lifetime (seconds)

Lifetime of OAuth 2.0 authorization code in seconds.

Default: `10`

ssoadm attribute: `forgerock-oauth2-provider-authorization-code-lifetime`

Refresh Token Lifetime (seconds)

Lifetime of OAuth 2.0 refresh token in seconds.

> **Tip**
>
> Set this value to `-1` to issue refresh tokens that never expire.

Default: `600`

ssoadm attribute: `forgerock-oauth2-provider-refresh-token-lifetime`

Access Token Lifetime (seconds)

Lifetime of OAuth 2.0 access token in seconds.

Default: `60`

ssoadm attribute: `forgerock-oauth2-provider-access-token-lifetime`

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

Issue Refresh Tokens

Whether to issue a refresh token when returning an access token.

ssoadm attribute: `forgerock-oauth2-provider-issue-refresh-token`

Issue Refresh Tokens on Refreshing Access Tokens

Whether to issue a refresh token when refreshing an access token.

ssoadm attribute: `forgerock-oauth2-provider-issue-refresh-token-on-refreshing-token`

Custom Login URL Template

Custom URL for handling login, to override the default OpenAM login page.

Supports Freemarker syntax, with the following variables:

Custom Login URL Freemarker Variables

Variable	Description
`gotoUrl`	The URL to redirect to after login.
`acrValues`	The Authentication Context Class Reference (acr) values for the authorization request.
`realm`	The OpenAM realm the authorization request was made on.
`module`	The name of the OpenAM authentication module requested to perform resource owner authentication.
`service`	The name of the OpenAM authentication chain requested to perform resource owner authentication.
`locale`	A space-separated list of locales, ordered by preference.

The following example template redirects users to a non-OpenAM front end to handle login, which will then redirect back to the `/oauth2/authorize` endpoint with any required parameters:

```
http://mylogin.com/login?goto=${goto}
<#if acrValues??>&acr_values=${acrValues}</#if>
<#if realm??>&realm=${realm}</#if>
<#if module??>&module=${module}</#if>
<#if service??>&service=${service}</#if>
<#if locale??>&locale=${locale}</#if>
```

Note that the example above has added line wraps for display purposes. The template should be entered on a single line.

ssoadm attribute: `customLoginUrlTemplate`

Scope Implementation Class

Name of class on OpenAM classpath implementing scopes.

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

Default: `org.forgerock.openam.oauth2.OpenAMScopeValidator`

ssoadm attribute: `forgerock-oauth2-provider-scope-implementation-class`

OIDC Claims Script

The script that is run when issuing an ID token or making a request to the `userinfo` endpoint duing OpenID requests.

The script gathers the scopes and populates claims, and has access to the access token, the user's identity and, if available, the user's session.

For more information on OpenID scopes and claims, see "Understanding OpenID Connect Scopes and Claims" in the *Administration Guide*. For more information on scripting, see "*Scripting OpenAM*" in the *Developer's Guide*.

Default: `OIDC Claims Script`

ssoadm attribute: `forgerock-oauth2-provider-oidc-claims-extension-script`

Response Type Plugins

List of plugins that handle the valid `response_type` values. OAuth 2.0 clients pass response types as parameters to the OAuth 2.0 Authorization endpoint (`/oauth2/authorize`) to indicate which grant type is requested from the provider. For example, the client passes `code` when requesting an authorization code, and `token` when requesting an access token.

Values in this list take the form *`response-type|plugin-class-name`*.

Defaults: `code|org.forgerock.restlet.ext.oauth2.flow.responseTypes.CodeResponseType`, `id_token|org.forgerock.restlet.ext.oauth2.flow.responseTypes.IDTokenResponseType`, `token|org.forgerock.restlet.ext.oauth2.flow.responseTypes.TokenResponseType`

ssoadm attribute: `forgerock-oauth2-provider-response-type-map-class`

User Profile Attribute(s) the Resource Owner is Authenticated On

Names of profile attributes that resource owners use to log in. The default is `uid`, and you can add others, such as `mail`.

ssoadm attribute: `forgerock-oauth2-provider-authentication-attributes`

Saved Consent Attribute Name

Name of a multi-valued attribute on resource owner profiles where OpenAM can save authorization consent decisions. When the resource owner chooses to save the decision to authorize access for a client application, then OpenAM updates the resource owner's profile to avoid having to prompt the resource owner to grant authorization when the client issues subsequent authorization requests.

ssoadm attribute: `forgerock-oauth2-provider-saved-consent-attribute`

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

User Display Name attribute

The profile attribute that contains the name to be displayed for the user on the consent page.

Default: `cn`

ssoadm attribute: `displayNameAttribute`

Supported Scopes

The set of supported scopes, with translations.

Scopes may be entered as simple strings or pipe-separated strings representing the internal scope name, locale, and localized description.

For example: `read|en|Permission to view email messages in your account`

Locale strings are in the format: *`language_country_variant`*, for example `en`,`en_GB`, or `en_US_WIN`.

If the locale and pipe is omitted, the description is displayed to all users that have undefined locales.

If the description is also omitted, nothing is displayed on the consent page for the scope. For example specifying `read|` would allow the scope *read* to be used by the client, but would not display it to the user on the consent page when requested.

For more information on scopes and claims, see "Understanding OpenID Connect Scopes and Claims" in the *Administration Guide*.

ssoadm attribute: `forgerock-oauth2-provider-supported-scopes`

Remote JSON Web Key URL

The remote URL where the OpenID Connect provider's JSON Web Key can be retrieved.

If this setting is not configured, then OpenAM provides a local URL to access the public key of the private key used to sign ID tokens.

ssoadm attribute: `forgerock-oauth2-provider-jkws-uri`

Subject Types supported

Set of OpenID Connect subject types supported. Valid values are as follows:

`public`

Each client receives the same `sub` (subject) value.

`pairwise`

Each client receives a different `sub` (subject) value, to prevent correlation between clients.

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

Default: `public`

ssoadm attribute: `forgerock-oauth2-provider-subject-types-supported`

ID Token Signing Algorithms supported

Algorithms supported to sign OpenID Connect `id_tokens`.

Default: `RS256` (RSA with SHA256, where the RSA key comes from the OpenAM keystore).

OpenAM supports signing algorithms listed in *JSON Web Algorithms (JWA)*: "*alg*" *(Algorithm) Header Parameter Values for JWS*: `HMAC with SHA-256` (HS256), `HMAC with SHA-384` (HS384), `HMAC with SHA5-12` (HS512), ECDSA with SHA-256 and NIST standard P-256 elliptic curve (ES256), ECDSA with SHA-384 and NIST standard P-384 elliptic curve (ES384), and ECDSA with SHA-512 and NIST standard P-521 elliptic curve (ES512).

ssoadm attribute: `forgerock-oauth2-provider-id-token-signing-algorithms-supported`

ID Token Encryption Algorithms supported

Algorithms supported to encrypt OpenID Connect `id_tokens` to hide its contents.

Default: `RS1_5`

ssoadm attribute: `supportedIDTokenEncryptionAlgorithms`

ID Token Encryption Methods supported

Encryption methods supported to encrypt OpenID Connect `id_tokens` to hide its contents.

Default: `A128CBC-HS256`, `A256CBC-HS512`

ssoadm attribute: `supportedIDTokenEncryptionMethods`

Supported Claims

Set of claims supported by the OpenID Connect `/oauth2/userinfo` endpoint.

Claims may be entered as simple strings or pipe-separated strings representing the internal claim name, locale, and localized description.

For example: `zoneinfo|en|Your selected time zone.`

Locale strings are in the format: *`language_country_variant`*, for example `en`,`en_GB`, or `en_US_WIN`.

If the locale and pipe is omitted, the description is displayed to all users that have undefined locales.

If the description is also omitted, nothing is displayed on the consent page for the claim. For example specifying `family_name|` would allow the claim *family_name* to be used by the client, but would not display it to the user on the consent page when requested.

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

For more information on OpenID scopes and claims, see "Understanding OpenID Connect Scopes and Claims" in the *Administration Guide*.

ssoadm attribute: `forgerock-oauth2-provider-supported-claims`

OpenID Connect JWT Token Lifetime (seconds)

Time in seconds that a JWT is valid.

Default: `600`

ssoadm attribute: `forgerock-oauth2-provider-jwt-token-lifetime`

OAuth2 Token Signing Algorithm

Algorithm used to sign stateless OAuth2 tokens to detect tampering.

Default: `HS256`

Possible values: `HS256`, `HS384`, `HS512`, `RS256`, `ES256`, `ES384`, `ES512`

ssoadm attribute: `tokenSigningAlgorithm`

Token Signing HMAC Shared Secret

Base-64-encoded key used by HS256, HS384, and HS512.

ssoadm attribute: `tokenSigningHmacSharedSecret`

Token Signing RSA public/private key pair

Alias of key in OpenAM's keystore that is used to sign ID Tokens.

Default: `test` (OpenAM test key pair, not for use in production)

See "To Change OpenAM Default test Signing Key " in the *Administration Guide* for instructions on changing the key pair.

ssoadm attribute: `forgerock-oauth2-provider-keypair-name`

Token Signing ECDSA public/private key pair alias

List of public/private key pairs used for the elliptic curve algorithms (ES256/ES384/ES512)

Default: `ES256|test`, `ES384|test`, `ES512|test`

ssoadm attribute: `tokenSigningECDSAKeyAlias`

Allow Open Dynamic Client Registration

Allow clients to register without an access token.

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

If enabled, you should consider adding some form of rate limiting.

Default: `false`

ssoadm attribute: `forgerock-oauth2-provider-allow-open-dynamic-registration`

Generate Registration Access Tokens

Whether to generate Registration Access Tokens for clients that register via open dynamic client registration.

Registration tokens allow the client to access the client configuration endpoint as described in the OpenID Connect specification. This setting has no effect if open dynamic client registration is disabled.

Default: `true`

ssoadm attribute: `forgerock-oauth2-provider-generate-registration-access-tokens`

OpenID Connect acr_values to Auth Chain Mapping

Map of Mobile Connect levels of assurance, sent as `acr_values` in the authorization request, to OpenAM authentication chains provide those levels of assurance.

For more information, see "Configuring OpenAM as an OP for Mobile Connect" in the *Administration Guide*.

ssoadm attribute: `forgerock-oauth2-provider-loa-mapping`

OpenID Connect default acr claim

The `acr` claim value to return in the ID Token when falling back to the default authentication chain.

ssoadm attribute: `forgerock-oauth2-provider-default-acr`

OpenID Connect id_token amr values to Auth Module mappings

Map of the `amr` values to return in the ID Token after successfully authenticating with specified authentication modules.

For more information, see "Configuring OpenAM as an OP for Mobile Connect" in the *Administration Guide*.

ssoadm attribute: `forgerock-oauth2-provider-amr-mappings`

Modified Timestamp attribute name
Created Timestamp attribute name

The identity Data Store attributes used to return `updated_at` values in the ID Token.

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

For more information, see "Configuring OpenAM as an OP for Mobile Connect" in the *Administration Guide*.

ssoadm attributes: `forgerock-oauth2-provider-modified-attribute-name`, `forgerock-oauth2-provider-created-attribute-name`

Default Client Scopes

Set of scopes a client will be granted if they request dynamic registration without requesting specific scopes.

The default scopes are *NOT* automatically assigned to clients that are created by using the OpenAM console.

ssoadm attribute: `forgerock-oauth2-provider-default-scopes`

Enable "claims_parameter_supported"

Enable requests for individual claims by using query parameters, as described in the OpenID Connect specification.

ssoadm attribute: `forgerock-oauth2-provider-claims-parameter-supported`

Subject identifier hash salt

Used in the salting of hashes for returning specific *sub* claims to individuals that are using the same `request_uri` or `sector_identifier_uri`.

> **Important**
>
> It is strongly recommended to configure this value if pairwise subject types are enabled.

Default: `changeme`

ssoadm attribute: `forgerock-oauth2-provider-hash-salt`

Always Return Claims in ID Tokens

If enabled, include scope-derived claims in the id_token, even if an access token is also returned that could provide access to get the claims from the `userInfo` endpoint.

If not enabled, if an access token is requested the client must use it to access the `userinfo` endpoint for scope-derived claims, as they will not be included in the ID token.

ssoadm attribute: `alwaysAddClaimsToToken`

Code Verifier Parameter Required

If enabled, requests using the authorization code grant require a `code_challenge` attribute.

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

For more information, see the Internet-Draft: Proof Key for Code Exchange by OAuth Public Clients.

ssoadm attribute: `forgerock-oauth2-provider-code-verifier-enforced`

Verification URL

The URL that users must visit to complete login and consent when using the OAuth 2.0 device flow.

For more information, see "OAuth 2.0 Device Flow" in the *Administration Guide*.

ssoadm attribute: `verificationUrl`

Device Completion URL

The URL that users are redirected to upon completion of login and consent when using the OAuth 2.0 device flow.

ssoadm attribute: `completionUrl`

Device Code Lifetime (seconds)

Lifetime of OAuth 2.0 device codes in seconds.

Default: `300`

ssoadm attribute: `deviceCodeLifetime`

Device Polling Interval

The minimum number of seconds devices should pause for between polling for authorization tokens when using the OAuth 2.0 device flow.

Default: `5`

ssoadm attribute: `devicePollInterval`

Store Ops Tokens

When enabled, OpenAM stores the operation tokens corresponding to OIDC sessions in CTS. Note that session management-related endpoints will not work when this setting is enabled.

Default: `true`

ssoadm attribute: `storeOpsTokens`

Allow clients to skip consent

When enabled, clients may be configured so that the resource owner will not be asked for consent during authorization flows.

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

Default: `false`

ssoadm attribute: `clientsCanSkipConsent`

Idtokeninfo endpoint requires client authentication

If enabled, the `/oauth2/idtokeninfo` endpoint requires client authentication if the signature algorithm is HS256/HS384/HS512.

Default: `true`

ssoadm attribute: `idTokenInfoClientAuthenticationEnabled`

Enable auth module messages for Password Credentials Grant

If enabled, authentication module failure messages are used to create Resource Owner Password Credentials Grant failure messages. If disabled, a standard authentication failed message is used.

Only applies to the password grant type which requires the `grant_type=password` parameter.

Default:`false`

ssoadm attribute: `moduleMessageEnabledInPasswordGrant`

1.4.12. Password Reset

Note

OpenAM 13.5.2-15 supports two user password reset components: the legacy Password Reset Service, which is based on a Java SDK and is available in OpenAM versions prior to OpenAM 13.5.2-15, and a new common REST-based/XUI-based User Self Service available in OpenAM 13.5.2-15. The Legacy Password Reset Service will be deprecated in a future release.

ssoadm service name: `iPlanetAMPasswordResetService`

User Validation

OpenAM uses this LDAP attribute and the value entered by the user to look up the user profile in the data store.

ssoadm attribute: `iplanet-am-password-reset-userValidate`

Secret Question

This list corresponds to property values held in the file `amPasswordReset.properties` inside `openam-core-13.5.2.jar`, which you can find under `WEB-INF/lib/` where OpenAM is installed.

To make changes, extract a version from `openam-core-13.5.2.jar`, copy it to `WEB-INF/classes/` where OpenAM is deployed, and then edit `WEB-INF/classes/amPasswordReset.properties`.

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

Localized versions of this file are named `amPasswordReset_locale.properties`. You should localize only the questions at the end, leaving the rest of the localized file as is. For example, if the default properties file contains:

```
favourite-restaurant=What is your favorite restaurant?
```

Then `WEB-INF/classes/amPasswordReset_fr.properties` ought to contain:

```
favourite-restaurant=Quel est votre restaurant préféré?
```

After changing these files, you must restart OpenAM.

ssoadm attribute: `iplanet-am-password-reset-question`

Search Filter

An additional LDAP search filter you specify here is &-ed with the filter constructed for user validation to find the user entry in the data store.

ssoadm attribute: `iplanet-am-password-reset-searchFilter`

Base DN

If you specify no base DN for the search, the search for the user entry starts from the base DN for the realm.

ssoadm attribute: `iplanet-am-password-reset-baseDN`

Bind DN

The DN of the user with access to change passwords in the LDAP data store.

ssoadm attribute: `iplanet-am-password-reset-bindDN`

Bind Password

The password of the user with access to change passwords in the LDAP data store.

ssoadm attribute: `iplanet-am-password-reset-bindPasswd`

Reset Password Creator

Classname of a plugin that implements the `PasswordGenerator` interface.

Default: `com.sun.identity.password.plugins.RandomPasswordGenerator`

ssoadm attribute: `iplanet-am-password-reset-option`

Password Reset Notification Class

Classname of a plugin that implements the `NotifyPassword` interface.

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

Default: `com.sun.identity.password.plugins.EmailPassword`

ssoadm attribute: `iplanet-am-password-reset-notification`

Password Reset

Enables the service.

ssoadm attribute: `iplanet-am-password-reset-enabled`

Personal Question

When enabled, allows the user to create custom secret questions.

ssoadm attribute: `iplanet-am-password-reset-user-personal-question`

Maximum Number of Questions

Maximum number of questions to ask during password reset.

ssoadm attribute: `iplanet-am-password-reset-max-num-of-questions`

Force Change Password on Next Login

When enabled, the users must change their password next time they log in after OpenAM resetting their password.

ssoadm attribute: `iplanet-am-password-reset-force-reset`

Password Reset Failure Lockout

When enabled, users only gets the specified number of tries before their account is locked.

ssoadm attribute: `iplanet-am-password-reset-failure-lockout-mode`

Password Reset Failure Lockout Count

If Password Reset Failure Lockout is enabled, this specifies the maximum number of tries to reset a password within the specified interval before the user's account is locked.

ssoadm attribute: `iplanet-am-password-reset-failure-count`

Password Reset Failure Lockout Interval

This interval applies when Password Reset Failure Lockout is enabled, and when Password Reset Failure Lockout Count is set. During this interval, user can try to reset their password the specified number of times before being locked out. For example, if this interval is 5 minutes and the count is set to 3, users get 3 tries during a given 5 minute interval to reset their password.

ssoadm attribute: `iplanet-am-password-reset-failure-duration`

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

Email Address to Send Lockout Notification

This specifies the administrator address(es) which receive(s) notification on user account lockout. Each address must be a full email address, such as `admin@example.com`, or `admin@host.domain`.

OpenAM must be able to send mail through an SMTP-capable service for this to work.

ssoadm attribute: `iplanet-am-password-reset-lockout-email-address`

Warn User After N Failures

If you configure Password Reset Failure Lockout, set this to warn users who are about to use up their count of tries.

ssoadm attribute: `iplanet-am-password-reset-lockout-warn-user`

Password Reset Failure Lockout Duration

If you configure Password Reset Failure Lockout, set this to a number of minutes other than `0`, so that lockout is temporary, requiring only that locked-out users wait to try again to reset their password, rather than asking for help from an administrator.

ssoadm attribute: `iplanet-am-password-reset-lockout-duration`

Password Reset Lockout Attribute Name

If you configure Password Reset Failure Lockout, then OpenAM sets data store attribute to `inactive` upon lockout.

ssoadm attribute: `iplanet-am-password-reset-lockout-attribute-name`

Password Reset Lockout Attribute Value

If set to `inactive`, then users who are locked out cannot attempt to reset their password if the Password Reset Failure Lockout Duration is `0`.

ssoadm attribute: `iplanet-am-password-reset-lockout-attribute-value`

Password Reset E-mail Attribute Name

Identity attribute that holds the user's email address.

Default: `mail`

ssoadm attribute: `openam-password-reset-mail-attribute-nam`

Invalid Character Check Regular Expression

Regular expression used to locate invalid characters in naming attribute.

Default: `[\*\(\)_%\W]`

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

ssoadm attribute: `openam-am-password-reset-invalidchar-regex`

1.4.13. Policy Configuration

You can change global policy configuration and the defaults per realm. The settings visible in the OpenAM console are listed first. Settings that must be changed using **ssoadm**, and are not visible in the OpenAM console, are listed next. These are labeled as (**ssoadm** only).

ssoadm service name: `iPlanetAMPolicyConfigService`

Resource Comparator

OpenAM uses resource comparators to match resources specified in policy rules. When setting comparators on the command line, separate fields with `|` characters.

ssoadm attribute: `iplanet-am-policy-config-resource-comparator`

Continue Evaluation on Deny Decision

If no, then OpenAM stops evaluating policy as soon as it reaches a deny decision.

Default: `false` (No)

ssoadm attribute: `iplanet-am-policy-config-continue-evaluation-on-deny-decision`

Realm Alias Referrals

If yes, then OpenAM allows creation of policies for HTTP and HTTPS resources whose FQDN matches the DNS alias for the realm even when no referral policy exists.

Default: `false` (No)

ssoadm attribute: `sun-am-policy-config-org-alias-mapped-resources-enabled`

Primary LDAP Server

Configuration directory server host:port that OpenAM searches for policy information.

ssoadm attribute: `iplanet-am-policy-config-ldap-server`

LDAP Users Base DN

Base DN for LDAP Users subject searches.

ssoadm attribute: `iplanet-am-policy-config-ldap-users-base-dn`

OpenAM Roles Base DN

Base DN for OpenAM Roles searches

ssoadm attribute: `iplanet-am-policy-config-is-roles-base-dn`

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

LDAP Bind DN

Bind DN to connect to the directory server for policy information.

ssoadm attribute: `iplanet-am-policy-config-ldap-bind-dn`

LDAP Bind Password

Bind password to connect to the directory server for policy information.

ssoadm attribute: `iplanet-am-policy-config-ldap-bind-password`

LDAP Organization Search Filter

Search filter to match organization entries.

ssoadm attribute: `iplanet-am-policy-config-ldap-organizations-search-filter`

LDAP Users Search Filter

Search filter to match user entries.

ssoadm attribute: `iplanet-am-policy-config-ldap-users-search-filter`

LDAP Users Search Scope

Search scope to find user entries.

ssoadm attribute: `iplanet-am-policy-config-ldap-users-search-scope`

OpenAM Roles Search Scope

Search scope to find OpenAM roles entries.

ssoadm attribute: `iplanet-am-policy-config-is-roles-search-scope`

LDAP Users Search Attribute

Naming attribute for user entries

ssoadm attribute: `iplanet-am-policy-config-ldap-users-search-attribute`

Maximum Results Returned from Search.

Search limit for LDAP searches

ssoadm attribute: `iplanet-am-policy-config-search-limit`

Search Timeout

Seconds after which OpenAM returns an error for an incomplete search.

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

ssoadm attribute: `iplanet-am-policy-config-search-timeout`

LDAP SSL/TLS

If enabled, OpenAM connects securely to the directory server. This requires that you install the directory server certificate.

ssoadm attribute: `iplanet-am-policy-config-ldap-ssl-enabled`

LDAP Connection Pool Minimum Size

Minimum number of connections in the pool.

ssoadm attribute: `iplanet-am-policy-config-connection_pool_min_size`

LDAP Connection Pool Maximum Size

Maximum number of connections in the pool.

ssoadm attribute: `iplanet-am-policy-config-connection_pool_max_size`

Subjects Result Time to Live

Maximum minutes OpenAM caches a subject result for evaluating policy requests. A value of 0 prevents OpenAM from caching subject evaluations for policy decisions.

Default: `10`

ssoadm attribute: `iplanet-am-policy-config-subjects-result-ttl`

User Alias

If enabled, OpenAM can evaluate policy for remote users aliased to local users.

ssoadm attribute: `iplanet-am-policy-config-user-alias-enabled`

Heartbeat Interval

Specifies the interval at which OpenAM sends a heartbeat request to the policy store.

Use this option if a firewall or load balancer closes idle connections. The heartbeat requests ensure that the connections do not become idle.

Default: `10`

ssoadm attribute: `openam-policy-config-heartbeat-interval`

Heartbeat Unit

Defines the time unit corresponding to the Heartbeat Interval setting.

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

Possible values are: `HOURS`, `MINUTES`, or `SECONDS`.

Default: `SECONDS`

ssoadm attribute: `openam-policy-config-heartbeat-timeunit`

Advices Handleable by OpenAM (ssoadm only)

Lists advice names for which policy agents redirect users to OpenAM for further authentication and authorization.

This setting is not shown in the OpenAM console.

ssoadm attribute: `sun-am-policy-config-advices-handleable-by-am`

LDAP Base DN (ssoadm only)

Base DN for policy searches.

This setting is not shown in the OpenAM console.

ssoadm attribute: `iplanet-am-policy-config-ldap-base-dn`

LDAP Organization Search Scope (ssoadm only)

Search scope to find organization entries.

This setting is not shown in the OpenAM console.

ssoadm attribute: `iplanet-am-policy-config-ldap-organizations-search-scope`

LDAP Groups Search Filter (ssoadm only)

Search filter to match group entries.

This setting is not shown in the OpenAM console.

ssoadm attribute: `iplanet-am-policy-config-ldap-groups-search-filter`

LDAP Groups Search Scope (ssoadm only)

Search scope to find group entries.

This setting is not shown in the OpenAM console.

ssoadm attribute: `iplanet-am-policy-config-ldap-groups-search-scope`

LDAP Roles Search Filter (ssoadm only)

Search filter to match nsRole definition entries.

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

This setting is not shown in the OpenAM console.

ssoadm attribute: `iplanet-am-policy-config-ldap-roles-search-filter`

LDAP Roles Search Scope (ssoadm only)

Search scope to find nsRole definition entries.

This setting is not shown in the OpenAM console.

ssoadm attribute: `iplanet-am-policy-config-ldap-roles-search-scope`

LDAP Organization Search Attribute (ssoadm only)

Naming attribute for organization entries.

This setting is not shown in the OpenAM console.

ssoadm attribute: `iplanet-am-policy-config-ldap-organizations-search-attribute`

LDAP Groups Search Attribute (ssoadm only)

Naming attribute for group entries.

This setting is not shown in the OpenAM console.

ssoadm attribute: `iplanet-am-policy-config-ldap-groups-search-attribute`

LDAP Roles Search Attribute (ssoadm only)

Naming attribute for nsRole definition entries.

This setting is not shown in the OpenAM console.

ssoadm attribute: `iplanet-am-policy-config-ldap-roles-search-attribute`

Selected Policy Subjects (ssoadm only)

Lists subjects available for policy definition in realms.

This setting is not shown in the OpenAM console.

ssoadm attribute: `iplanet-am-policy-selected-subjects`

Selected Policy Conditions (ssoadm only)

Lists conditions available for policy definition in realms.

This setting is not shown in the OpenAM console.

ssoadm attribute: `iplanet-am-policy-selected-conditions`

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

Selected Response Attribute Providers (ssoadm only)

Lists response attribute providers available for policy definition.

This setting is not shown in the OpenAM console.

ssoadm attribute: `sun-am-policy-selected-responseproviders`

Selected Dynamic Response Attributes (ssoadm only)

Lists dynamic response attributes available for policy definition.

This setting is not shown in the OpenAM console.

ssoadm attribute: `sun-am-policy-dynamic-response-attributes`

1.4.14. Push Notification Service

The Push Notification Service requires Amazon IAM user credentials, and Simple Notification Service endpoints in Amazon Resource Name (ARN) format.

Use the ForgeRock Backstage website to provision values for the following Simple Notification Service properties for configuring the Push Notification Service:

- SNS Access Key ID
- SNS Access Key Secret
- SNS Endpoint for APNS
- SNS Endpoint for GCM
- SNS Client Region

For information on provisioning the credentials required by the Push Notification Service, see How do I set up AM/OpenAM Push Notification Service credentials in the *BackStage Help Knowledge Base*.

ssoadm service name: `PushNotificationService`

SNS Access Key ID

The access key ID, for example `AKIAIOSFODNN7EXAMPLE`, used to access Amazon Simple Notification Service (SNS) endpoints.

ssoadm attribute: `accessKey`

SNS Access Key Secret

The access key secret associated with the access key ID, for example `wJalrXUtnFEMI/K7MDENG/bPxRfiCYEXAMPLEKEY`, used to access Amazon Simple Notification Service endpoints.

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

ssoadm attribute: `secret`

SNS Endpoint for APNS

The Simple Notification Service endpoint in Amazon Resource Name format, used to send push messages to the Apple Push Notification Service (APNS).

ssoadm attribute: `appleEndpoint`

SNS Endpoint for GCM

The Simple Notification Service endpoint in Amazon Resource Name format, used to send push messages to the Google Cloud Messaging (GCM) service.

ssoadm attribute: `googleEndpoint`

SNS Client Region

The region of the Amazon Simple Notification Service instance.

Default: `us-west-2`

ssoadm attribute: `region`

Message Transport Delegate Factory

The fully-qualified class name of the factory responsible for creating a `PushNotificationDelegate`. The class must implement the `org.forgerock.openam.services.push.PushNotificationDelegate` interface.

Default: `org.forgerock.openam.services.push.sns.SnsHttpDelegateFactory`

ssoadm attribute: `delegateFactory`

Response Cache Duration

The minimum lifetime (in seconds) to keep unanswered message records in the message dispatcher cache.

To keep unanswered message records indefinitely, set this property to `0`.

Should be tuned so that it is applicable to the use case of this service. For example, the ForgeRock Authenticator (Push) authentication module has a default timeout of 120 seconds.

Default: `120`

ssoadm attribute: `mdDuration`

Response Cache Concurrency

Level of concurrency to use when accessing the message dispatcher cache. Defaults to `16`, and must be greater than `0`.

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

Choose a value to accommodate as many threads as will ever concurrently access the message dispatcher cache.

Default: `16`

ssoadm attribute: `mdConcurrency`

Response Cache Size

Maximum size of the message dispatcher cache, in number of records. If set to `0` the cache can grow indefinitely.

If the number of records that need to be stored exceeds this maximum, then older items in the cache will be removed to make space.

Default: `10000`

ssoadm attribute: `mdCacheSize`

1.4.15. RADIUS Server

ssoadm service name: `RadiusServerService`

The following are global attributes of the RADIUS Server Service:

Enabled

Enables the OpenAM RADIUS server to listen for requests on the listener port and to handle the requests.

Default: `NO`

ssoadm attribute: `radiusListenerEnabled`

Listener Port

UDP port on which the OpenAM RADIUS server listens for incoming requests. Specify a value between `1024` and `65535`.

Default: `1812`

ssoadm attribute: `radiusServerPort`

OpenAM's RADIUS server maintains a thread pool for handling incoming requests. Threads are consumed for the duration of a request, not for the duration of an authentication conversation. For example, if the RADIUS server issues an `Access-Challenge` message for an incoming request to continue an ongoing authentication conversation, the thread is returned to the pool after the challenge response is received from the client.

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

Configure the thread pool with the following global configuration attributes:

Thread Pool Core Size

Number of threads to keep in the pool, even if they are idle. When a new incoming request is received by the RADIUS server, a new thread is created to handle the request if fewer than the Thread Pool Core Size threads are running even if other worker threads are idle.

Default: `1`

ssoadm attribute: `radiusThreadPoolCoreSize`

Thread Pool Max Size

Maximum number of threads allowed in the pool.

Default: `10`

ssoadm attribute: `radiusThreadPoolMaxSize`

Thread Pool Keep-Alive Seconds

Amount of idle time a thread can have before being terminated when there are more threads in the pool than the Thread Pool Core Size.

Default: `10`

ssoadm attribute: `radiusThreadPoolKeepaliveSeconds`

Thread Pool Queue Size

Number of requests that can be queued for the pool awaiting handling by a pool thread. When the number of pool threads is less than the Thread Pool Max Size and the queue is full, further requests cause new threads to be added until the Thread Pool Max Size is reached. When the number of pool threads is equal to the Thread Pool Max Size and the queue is full, further requests are silently dropped without any response to the client.

Default: `20`

ssoadm attribute: `radiusThreadPoolQueueSize`

The following are global attributes of secondary configuration instances of the RADIUS Server Service. Each secondary configuration instance identifies a registered RADIUS client that is allowed to connect to the UDP port on which the OpenAM RADIUS server is listening.

Client IP Address

IP address of the client.

Default: `/127.0.0.1`

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

ssoadm attribute: `clientIpAddress`

Client Secret

Shared secret configured in the RADIUS client. The RADIUS protocol hashes users' passwords with the MD5 hashing algorithm using this shared secret.

Default: A generated value

ssoadm attribute: `clientSecret`

Log Packet Contents for this Client

Whether to log packet contents to the `Radius` debug log. Enable packet logging only when troubleshooting, because logging increases the debug log file size significantly and slows RADIUS server performance.

When packet logging is enabled, OpenAM obfuscates incoming passwords with asterisks so that users' passwords do not appear in clear text in the debug log file.

Default: `NO`

ssoadm attribute: `clientPacketsLogged`

Handler Class

Java class that handles incoming `Access-Request` packets and provides a suitable response. Specify the default value unless you have deployed a custom class that implements the `org.forgerock.openam.radius.server.spi.AccessRequestHandler` interface.

Default: `org.forgerock.openam.radius.server.spi.handlers.OpenAMAuthHandler`

ssoadm attribute: `handlerClass`

Handler Class Configuration Properties

One or more key value pairs in which the key and the value are separated by the **=** character. These properties are provided to the handler prior to calls to handle request packets.

The default `org.forgerock.openam.radius.server.spi.handlers.OpenAMAuthHandler` handler uses the properties to control authentication to OpenAM.

Default values: `realm=/` and `chain=ldapService`.

ssoadm attribute: `handlerConfig`

1.4.16. REST APIs

ssoadm service name: `RestApisService`

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

Default Version

The API version to use when the REST request does not specify a desired version. Values are `Latest`, `Oldest`, and `None`.

Default:

- `Latest` for new OpenAM installations.
- `Oldest` when upgrading OpenAM installations which do not already have the property.
- Imported when upgrading OpenAM installations which already have the property.

ssoadm attribute: `openam-rest-apis-default-version`

Warning Header

Whether to include a warning header in the response to a request that fails to include the Accept-API-Version header. Values are `Enabled` and `Disabled`.

Default: `Enabled`

ssoadm attribute: `openam-rest-apis-header-warning`

1.4.17. SAML v2.0 Service Configuration

ssoadm service name: `sunFAMSAML2Configuration`

Cache cleanup interval

Seconds between cache cleanup operations.

ssoadm attribute: `CacheCleanupInterval`

Attribute name for Name ID information

User entry attribute to store name identifier information.

ssoadm attribute: `NameIDInfoAttribute`

Attribute name for Name ID information key

User entry attribute to store the name identifier key.

ssoadm attribute: `NameIDInfoKeyAttribute`

Cookie domain for IDP Discovery Service

Specifies the cookie domain for the IDP discovery service.

ssoadm attribute: `IDPDiscoveryCookieDomain`

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

Cookie type for IDP Discovery Service

Indicates whether to use PERSISTENT or SESSION cookies

ssoadm attribute: `IDPDiscoveryCookieType`

URL scheme for IDP Discovery Service

Indicates whether to use HTTP or HTTPS.

ssoadm attribute: `IDPDiscoveryURLScheme`

XML Encryption SPI implementation class

Used by the SAML2 engine to encrypt and decrypt documents.

ssoadm attribute: `XMLEncryptionClass`

Include xenc:EncryptedKey Inside ds:KeyInfo Element

ssoadm attribute: `EncryptedKeyInKeyInfo`

XML Signing SPI implementation class

Used by the SAML2 engine to sign documents.

ssoadm attribute: `XMLSigningClass`

XML Signing Certificate Validation

If enabled, then validate certificates used to sign documents.

ssoadm attribute: `SigningCertValidation`

CA Certificate Validation

If enabled, then validate CA certificates.

ssoadm attribute: `CACertValidation`

Enable SAML v2.0 failover

If enabled, the OpenAM can failover requests to another instance.

ssoadm attribute: `failOverEnabled`

Buffer length to decompress request

The size is specified in bytes.

ssoadm attribute: `bufferLength`

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

Metadata signing key alias

Private key alias that is used when requesting signed metadata (either using `exportmetadata.jsp` or `ssoadm`) to sign the entity's metadata.

ssoadm attribute: `metadataSigningKey`

Metadata signing key password

The password used to retrieve the signing key from the keystore.

ssoadm attribute: `metadataSigningKeyPass`

1.4.18. SAML v2.0 SOAP Binding

ssoadm service name: `sunfmSAML2SOAPBindingService`

Request Handler List

List of handlers to deal with SAML2 requests bound to SOAP. The key for a request handler is the meta alias, whereas the class indicates the name of the class that implements the handler.

ssoadm attribute: `sunSAML2RequestHandlerList`

1.4.19. Scripting

ssoadm service name: `ScriptingService`

Default Script Type

The default script context type when creating a new script.

ssoadm attribute: `defaultScriptContext`

The following properties are available for the Scripting Service primary configuration instances:

`POLICY_CONDITION`

Policy Condition

`AUTHENTICATION_SERVER_SIDE`

Server-side Authentication

`AUTHENTICATION_CLIENT_SIDE`

Client-side Authentication

`OIDC_CLAIMS`

OIDC Claims

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

The following properties are available for Scripting Service secondary configuration instances:

Engine Configuration

Configure script engine parameters for running a particular script type in OpenAM.

ssoadm attribute: `engineConfiguration`

To access a secondary configuration instance using the **ssoadm** command, use: `--subconfigname [primary configuration]/[secondary configuration]` For example:

```
ssoadm set-sub-cfg \
  --adminid amAdmin \
  --password-file admin_pwd_file \
  --servicename ScriptingService \
  --subconfigname OIDC_CLAIMS/engineConfiguration \
  --operation set \
  --attributevalues maxThreads=300 queueSize=-1
```

Note

Supports server-side scripts only. OpenAM cannot configure engine settings for client-side scripts.

The configurable engine settings are as follows:

Server-side Script Timeout

The maximum execution time any individual script should take on the server (in seconds). OpenAM terminates scripts which take longer to run than this value.

ssoadm attribute: `serverTimeout`

Core thread pool size

The initial number of threads in the thread pool from which scripts operate. OpenAM will ensure the pool contains at least this many threads.

ssoadm attribute: `coreThreads`

Maximum thread pool size

The maximum number of threads in the thread pool from which scripts operate. If no free thread is available in the pool, OpenAM creates new threads in the pool for script execution up to the configured maximum.

ssoadm attribute: `maxThreads`

Thread pool queue size

The number of threads to use for buffering script execution requests when the maximum thread pool size is reached.

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

ssoadm attribute: `queueSize`

Thread idle timeout (seconds)

Length of time (in seconds) for a thread to be idle before OpenAM terminates created threads. If the current pool size contains the number of threads set in `Core thread pool size` idle threads will not be terminated, to maintain the initial pool size.

ssoadm attribute: `idleTimeout`

Java class whitelist

Specifies the list of class-name patterns allowed to be invoked by the script. Every class accessed by the script must match at least one of these patterns.

You can specify the class name as-is or use a regular expression.

ssoadm attribute: `whiteList`

Java class blacklist

Specifies the list of class-name patterns that are NOT allowed to be invoked by the script. The blacklist is applied AFTER the whitelist to exclude those classes - access to a class specified in both the whitelist and the blacklist will be denied.

You can specify the class name to exclude as-is or use a regular expression.

ssoadm attribute: `blackList`

Use system SecurityManager

If enabled, OpenAM will make a call to `System.getSecurityManager().checkPackageAccess(...)` for each class that is accessed. The method throws `SecurityException` if the calling thread is not allowed to access the package.

> **Note**
>
> This feature only takes effect if the security manager is enabled for the JVM.

ssoadm attribute: `useSecurityManager`

Scripting languages

Select the languages available for scripts on the chosen type. Either `GROOVY` or `JAVASCRIPT`.

ssoadm attribute: `languages`

Default Script

The source code that is presented as the default when creating a new script of this type.

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

ssoadm attribute: `defaultScript`

1.4.20. Session

ssoadm service name: `iPlanetAMSessionService`

Secondary Configuration Instance

When session failover is configured, you can set up additional configurations for connecting to the session repository here.

DN Restriction Only Enabled

If enabled, OpenAM does not perform DNS lookups when checking restrictions in cookie hijacking mode.

ssoadm attribute: `iplanet-am-session-dnrestrictiononly`

Enable Session Trimming

If yes, then OpenAM stores only a limited set of session properties after session timeout and before session purging.

ssoadm attribute: `iplanet-am-session-enable-session-trimming`

Session Timeout Handler implementations

Lists plugin classes implementing session timeout handlers.

ssoadm attribute: `openam-session-timeout-handler-list`

Maximum Number of Search Results

Maximum number of results from a session search.

ssoadm attribute: `iplanet-am-session-max-session-list-size`

Timeout for Search

Seconds after which OpenAM sees an incomplete search as having failed.

ssoadm attribute: `iplanet-am-session-session-list-retrieval-timeout`

Enable Property Change Notifications

If on, then OpenAM notifies other applications participating in SSO when a session property in the Notification Properties list changes on a stateful session.

ssoadm attribute: `iplanet-am-session-property-change-notification`

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

Notification Properties

Lists session properties for which OpenAM can send notifications upon modification. Session notification applies to stateful sessions only.

ssoadm attribute: `iplanet-am-session-notification-property-list`

Enable Quota Constraints

If on, then OpenAM allows you to set constraints on stateful sessions.

ssoadm attribute: `iplanet-am-session-enable-session-constraint`

Read Timeout for Quota Constraint

Milliseconds after which OpenAM considers a search for live session count as having failed if quota constraints are enabled.

ssoadm attribute: `iplanet-am-session-constraint-max-wait-time`

Resulting behavior if session quota exhausted

You can either set the next expiring session to be destroyed, `DESTROY_NEXT_EXPIRING`, the oldest session to be destroyed, `DESTROY_OLDEST_SESSION`, all previous sessions to be destroyed, `DESTROY_OLD_SESSIONS`, or deny the new session creation request, `DENY_ACCESS`.

ssoadm attribute: `iplanet-am-session-constraint-resulting-behavior`

Deny user login when session repository is down

This attribute takes effect when quota constraints are enabled.

ssoadm attribute: `iplanet-am-session-deny-login-if-db-is-down`

Signing Algorithm Type

Specifies the algorithm that OpenAM uses to sign a JSON Web Token (JWT) containing a stateless session. Signing the JWT enables tampering detection. Note that OpenAM stores stateless sessions in a JWT that resides in an HTTP cookie.

Valid values are `HS256`, `HS384`, `HS512`, and `RS256`.

Applies only to deployments using stateless sessions.

Default: `HS256`

ssoadm attribute: `openam-session-stateless-signing-type`

Signing HMAC Shared Secret

Specifies the shared secret that OpenAM uses when performing HMAC signing on the stateless session JWT. Specify a shared secret when using a Signing Algorithm Type of `HS256`, `HS384`, or `HS512`.

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

Applies only to deployments using stateless sessions.

Default: An encoded key generated during OpenAM configuration. You can change this value.

ssoadm attribute: `openam-session-stateless-signing-hmac-shared-secret`

Signing RSA Certificate Alias

Specifies the name of a certificate containing a public/private key pair that OpenAM uses when performing RSA signing on the stateless session JWT. Specify a signing certificate alias when using a Signing Algorithm Type of `RS256`.

Applies only to deployments using stateless sessions.

Default: `test`

ssoadm attribute: `openam-session-stateless-signing-rsa-certificate-alias`

Encryption Algorithm Type

Specifies the algorithm that OpenAM uses to encrypt JWTs containing stateless sessions. Encrypting the JWT hides its contents.

Valid values are `NONE` and `RSA`.

Applies only to deployments using stateless sessions.

ssoadm attribute: `openam-session-stateless-encryption-type`

Encryption RSA Certificate Alias

Specifies the name of a certificate containing a public/private key pair that OpenAM uses when encrypting a JWT. Specify an encryption certificate alias when using an Encryption Algorithm Type of `RSA`.

Applies only to deployments using stateless sessions.

ssoadm attribute: `openam-session-stateless-encryption-rsa-certificate-alias`

Enable Session Blacklisting

Enables session blacklisting for logged out stateless sessions.

Applies only to deployments using stateless sessions.

ssoadm attribute: `openam-session-stateless-enable-session-blacklisting`

Session Blacklist Cache Size

Specifies the size of the cache of logged out stateless sessions. The cache size should be around the number of logouts expected in the maximum session time.

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

Applies only to deployments using stateless sessions.

ssoadm attribute: `openam-session-stateless-blacklist-cache-size`

Blacklist Poll Interval

Specifies the interval, in seconds, at which OpenAM polls the Core Token Service for changes to logged out sessions. The longer the polling interval, the more time a malicious user has to connect to other OpenAM servers in a cluster and make use of a stolen session cookie. Shortening the polling interval improves the security for logged out sessions, but might incur a minimal decrease in overall OpenAM performance due to increased network activity.

Applies only to deployments using stateless sessions and session blacklisting.

ssoadm attribute: `openam-session-stateless-blacklist-poll-interval`

Blacklist Purge Delay

When added to the maximum session time, specifies the amount of time that OpenAM tracks logged out sessions. Increase the blacklist purge delay if you expect system clock skews in a cluster of OpenAM servers to be greater than one minute. There is no need to increase the blacklist purge delay for servers running a clock synchronization protocol, such as Network Time Protocol.

Applies only to deployments using stateless sessions and session blacklisting.

ssoadm attribute: `openam-session-stateless-blacklist-purge-delay`

Maximum Session Time

Maximum minutes a session can remain valid before OpenAM requires the user to authenticate again.

ssoadm attribute: `iplanet-am-session-max-session-time`

Maximum Idle Time

Maximum minutes a stateful session can remain idle before OpenAM requires the user to authenticate again.

ssoadm attribute: `iplanet-am-session-max-idle-time`

Maximum Caching Time

Maximum minutes before OpenAM refreshes a session that has been cached.

ssoadm attribute: `iplanet-am-session-max-caching-time`

Active User Sessions

Maximum number of concurrent stateful sessions OpenAM allows a user to have.

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

ssoadm attribute: `iplanet-am-session-quota-limit`

1.4.21. Session Property Whitelist

ssoadm service name: `SessionPropertyWhitelistService`

Whitelisted Session Property Names

A list of properties that can be set in, or read from, users' sessions.

Adding properties to sessions increases OpenAM's memory usage and can impact session failover performance. Because there is no size constraint limiting the set of properties you can add to sessions, keep in mind the performance implications before adding session properties.

ssoadm attribute: `forgerock-session-property-whitelist`

1.4.22. Social Authentication Implementations

Configure the Social Authentication Implementations Service at the realm level, not as a global service.

For more information, see "Configuring the Social Authentication Implementations Service" in the *Administration Guide*.

1.4.23. UMA Provider

ssoadm service name: `UmaProvider`

Requesting Party Token Lifetime (seconds)

The maximum life of a Requesting Party Token (RPT) before it expires, in seconds.

Default: `3600`

ssoadm attribute: `uma-rpt-lifetime`

Permission Ticket Lifetime (seconds)

The maximum life of a permission ticket before it expires, in seconds.

Default: `60`

ssoadm attribute: `uma-permission-ticket-lifetime`

Delete user policies when Resource Server is removed

Delete all user policies that relate to a Resource Server when removing the OAuth2 agent entry or removing the `uma_protection` scope from the OAuth2 agent.

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

Default: `true` (Enabled)

ssoadm attribute: `uma-delete-policies-on-resource-server-deletion`

Delete resource sets when Resource Server is removed

Delete all resource sets that relate to a Resource Server when removing the OAuth2 agent entry or removing the `uma_protection` scope from the OAuth2 agent.

Default: `true` (Enabled)

ssoadm attribute: `uma-delete-resource-sets-on-resource-server-deletion`

Email Resource Owner on Pending Request creation

Email the Resource Owner if a Pending Request is created by a Requesting Party.

Default: `true` (Enabled)

ssoadm attribute: `emailResourceOwnerOnPendingRequestCreation`

Email Requesting Party on Pending Request approval

Email the Requesting Party when a Pending Request is allowed by the Resource Owner.

Default: `true` (Enabled)

ssoadm attribute: `emailRequestingPartyOnPendingRequestApproval`

User profile preferred Locale attribute

The profile attribute in which to store the user's preferred Locale.

Default: `inetOrgPerson`

ssoadm attribute: `userProfileLocaleAttribute`

Re-Sharing Mode

Allow all users to re-share resource sets that have been shared with them.

Permitted values are `IMPLICIT` or `OFF`.

Default: `Implicit` (Enabled)

ssoadm attribute: `resharingMode`

Require Trust Elevation

Determine if trust elevation is required and claims (such as an OpenID Connection ID token) need to be present in the authorization request. If not, the AAT is sufficient to determine the requesting party of the authorization request.

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

Default: `True` (Enabled)

ssoadm attribute: `requireTrustElevation`

1.4.24. User

ssoadm service name: `iPlanetAMUserService`

User Preferred Timezone

Time zone for accessing OpenAM console.

ssoadm attribute: `preferredtimezone`

Administrator DN Starting View

Specifies the DN for the initial screen when the OpenAM administrator successfully logs in to the OpenAM console.

ssoadm attribute: `iplanet-am-user-admin-start-dn`

Default User Status

Inactive users cannot authenticate, though OpenAM stores their profiles. Default: `Active`

ssoadm attribute: `iplanet-am-user-login-status`

1.4.25. User Self Service

ssoadm service name: `selfService`

The following are general configuration options:

Encryption Key Pair Alias

An encryption key alias in the OpenAM server's JCEKS[2] keystore. OpenAM uses the key to encrypt the JWT token that OpenAM uses to track end users during user self-service operations. For more information, see "Configuring the Signing and Encryption Key Aliases" in the *Administration Guide*.

ssoadm attribute: `selfServiceEncryptionKeyPairAlias`

Signing Secret Key Alias

An signing secret key alias in the OpenAM server's JCEKS[2] keystore. OpenAM uses the key to sign the JWT token that OpenAM uses to track end users during user self-service operations. For

[2] OpenAM deployments that support user self-service must use a JCEKS keystore, and not a JKS keystore.

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

more information, see "Configuring the Signing and Encryption Key Aliases" in the *Administration Guide*.

ssoadm attribute: `selfServiceSigningSecretKeyAlias`

Google Re-captcha Site Key

Google reCAPTCHA plugin site key. For more information, see "Configuring the Google reCAPTCHA Plugin" in the *Administration Guide*.

ssoadm attribute: `selfServiceCaptchaSiteKey`

Google Re-captcha Secret Key

Google reCAPTCHA plugin secret key. For more information, see "Configuring the Google reCAPTCHA Plugin" in the *Administration Guide*.

ssoadm attribute: `selfServiceCaptchaSecretKey`

Google Re-captcha Verification URL

Google reCAPTCHA plugin verification URL. For more information, see "Configuring the Google reCAPTCHA Plugin" in the *Administration Guide*.

Default: `https://www.google.com/recaptcha/api/siteverify`

ssoadm attribute: `selfServiceCaptchaVerificationUrl`

Security Questions

Specifies the default set of knowledge-based authentication (KBA) security questions. The security questions can be set for the user self-registration, forgotten password reset, and forgotten username services, respectively.

Default: `OrderNum|ISO-3166-2 Country Code|Security Question`

- `1|en|What is the name of your favourite restaurant?`
- `2|en|What was the model of your first car?`
- `3|en|What was the name of your childhood pet?`
- `4|en|What is your mother's maiden name?`

ssoadm attribute: `selfServiceKBAQuestions`

Minimum Answers to Define

Specifies the minimum number of KBA answers that users must define.

Range: `0` to `30`

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

Default: `1`

ssoadm attribute: `selfServiceMinimumAnswersToDefine`

Minimum Answers to Verify

Specifies the minimum number of KBA questions that users need to answer to be granted the privilege to carry out an action, such as registering for an account, resetting a password, or retrieving a username.

Range: `0` to `50`

Default: `1`

ssoadm attribute: `selfServiceMinimumAnswersToVerify`

Valid Query Attributes

Specifies the valid query attributes used to search for the user. This is a list of attributes used to identify your account for forgotten password and forgotten username.

Default:

- `uid`
- `sn`
- `givenName`
- `mail`

ssoadm attribute: `selfServiceValidQueryAttributes`

The following are user registration options:

User Registration

If enabled, new users can sign up for an account.

Boolean values: `true`, `false`

Default: `false`

ssoadm attribute: `selfServiceUserRegistrationEnabled`

Captcha

If enabled, users can solve a Google reCAPTCHA puzzle during user self-registration to mitigate against software bots.

Boolean values: `true`, `false`

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

Default: `false`

ssoadm attribute: `selfServiceUserRegistrationCaptchaEnabled`

Email Verification

If enabled, users who self-register receive email verification.

Boolean values: `true`, `false`

Default: `true`

ssoadm attribute: `selfServiceUserRegistrationEmailVerificationEnabled`

Security Questions

If enabled, users must set up their security questions during the self-registration process.

Boolean values: `true`, `false`

Default: `false`

ssoadm attribute: `selfServiceUserRegistrationEmailKbaEnabled`

Token Lifetime

Maximum lifetime for the token allowing user self-registration.

Range: `0` to `2147483647` seconds

Default: `900` seconds

ssoadm attribute: `selfServiceUserRegistrationTokenTTL`

Outgoing Email Subject

Customizes the user self-registration email verification subject text.

Default: `en|Registration email`

ssoadm attribute: `selfServiceUserRegistrationEmailSubject`

Outgoing Email Body

Customizes the user self-registration email body text.

Default: `en|<h2>Click on this <a href="%link%">link </a> to register.</h2>`

ssoadm attribute: `selfServiceUserRegistrationEmailBody`

Valid Creation Attributes

Specifies a list of user attributes that can be set during user creation.

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

Default:

- `mail`
- `inetUserStatus`
- `sn`
- `username`
- `userPassword`
- `kbaInfo`
- `givenName`

ssoadm attribute: `selfServiceUserRegistrationValidUserAttributes`

Destination After Successful Registration

Specifies the action to be taken after a user successfully registers a new account.

Valid values:

- `default`. User is sent to a success page without being logged in.
- `login`. User is automatically logged in and sent to the appropriate page.
- `autologin`. User is sent to the login page to authenticate.

Default: `default`

ssoadm attribute: `selfServiceUserRegistrationSuccessDestination`

The following are forgotten password options:

Forgotten Password

If enabled, users can reset their password.

Possible Values: `true`, `false`

Default: `false`

ssoadm attribute: `selfServiceForgottenPasswordEnabled`

Captcha

If enabled, users can solve a Google reCAPTCHA puzzle during forgotten password reset to mitigate against software bots.

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

Possible Values: `true`, `false`

Default: `false`

ssoadm attribute: `selfServiceForgottenPasswordCaptchaEnabled`

Email Verification

If enabled, users receive email verification while attempting to retrieve a forgotten password.

Possible Values: `true`, `false`

Default: `true`

ssoadm attribute: `selfServiceForgottenPasswordEmailVerificationEnabled`

Security Questions

If enabled, users must answer their security questions during the forgotten password process.

Possible Values: `true`, `false`

Default: `false`

ssoadm attribute: `selfServiceForgottenPasswordKbaEnabled`

Token Lifetime

Maximum lifetime for the token allowing forgotten password reset.

Range: `0` to `2147483647` seconds

Default: `900` seconds

ssoadm attribute: `selfServiceForgottenPasswordTokenTTL`

Outgoing Email Subject

Customizes the forgotten password email subject text.

Default: `en|Forgotten password email`

ssoadm attribute: `selfServiceForgottenPasswordEmailSubject`

Outgoing Email Body

Customizes the forgotten password email body text.

Default: `en|<h2>Click on this <a href="%link%"> link</a> to reset your password.</h2>`

ssoadm attribute: `selfServiceForgottenPasswordEmailBody`

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

The following are forgotten username options:

Forgotten Username

If enabled, users can retrieve their forgotten username.

Boolean values: `true`, `false`

Default: `false`

ssoadm attribute: `selfServiceForgottenUsernameEnabled`

Captcha

If enabled, users can solve a Google reCAPTCHA puzzle during the forgotten username process to mitigate against software bots.

Boolean values: `true`, `false`

Default: `false`

ssoadm attribute: `selfServiceForgottenUsernameCaptchaEnabled`

Security Questions

If enabled, users must answer their security questions during the forgotten username process.

Boolean values: `true`, `false`

Default: `false`

ssoadm attribute: `selfServiceForgottenUsernameKbaEnabled`

Email Username

If enabled, users can receive their forgotten username by email.

Boolean values: `true`, `false`

Default: `true`

ssoadm attribute: `selfServiceForgottenUsernameEmailUsernameEnabled`

Show Username

If enabled, users can receive their forgotten username on a browser page.

Boolean values: `true`, `false`

Default: `false`

ssoadm attribute: `selfServiceForgottenUsernameShowUsernameEnabled`

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

Token LifeTime

Maximum lifetime for the token allowing forgotten username.

Range: `0` to `2147483647`

Default: `900` seconds

ssoadm attribute: `selfServiceForgottenUsernameTokenTTL`

Outgoing Email Subject

Customizes the forgotten username email subject text.

Default: `en|Forgotten username email`

ssoadm attribute: `selfServiceForgottenUsernameEmailSubject`

Outgoing Email Body

Customizes the forgotten username email body text.

Default: `en|<h2>Your username is <span style="color:blue" >%username%</span>.</h2>`

ssoadm attribute: `selfServiceForgottenUsernameEmailEmailBody`

The following is a profile management option:

Protected Update Attributes

Specifies a profile's protected user attributes, which causes re-authentication when the user attempts to modify these attributes.

ssoadm attribute: `selfServiceProfileProtectedUserAttributes`

The following are advanced configuration options:

User Registration Confirmation Email URL

Specifies the confirmation URL that the user receives during the self-registration process.

Default: `@SERVER_PROTO@://@SERVER_HOST@:@SERVER_PORT@/@SERVER_URI@/XUI/#register/`

ssoadm attribute: `selfServiceUserRegistrationConfirmationUrl`

Forgotten Password Confirmation Email URL

Specifies the confirmation URL that the user receives after confirming their identity during the forgotten password process.

Default: `@SERVER_PROTO@://@SERVER_HOST@:@SERVER_PORT@/@SERVER_URI@/XUI/#passwordReset/`

ssoadm attribute: `selfServiceForgottenPasswordConfirmationUrl`

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

User Registration Service Config Provider Class

Specifies the provider class for any custom plugins.

Default: `org.forgerock.openam.selfservice.config.flows.UserRegistrationConfigProvider`

ssoadm attribute: `selfServiceUserRegistrationServiceConfigClass`

Forgotten Password Service Config Provider Class

Specifies the provider class to configure any custom plugins.

Default: `org.forgerock.openam.selfservice.config.flows.ForgottenPasswordConfigProvider`

ssoadm attribute: `selfServiceUserForgottenPasswordServiceConfigClass`

Forgotten Username Service Config Provider Class

Specifies the provider class to configure any custom plugins.

Default: `org.forgerock.openam.selfservice.config.flows.ForgottenUsernameConfigProvider`

ssoadm attribute: `selfServiceUserForgottenUsernameServiceConfigClass`

1.4.26. Validation Service

ssoadm service name: `validationService`

Valid goto URL Resources

By default, OpenAM redirects the user to one of the URLs specified in the `goto` parameter supplied to the authentication interface. To enhance security, a list of valid URL resources can be specified here so OpenAM can validate the `goto` URL against them. OpenAM will only redirect a user if the goto URL matches any of the resources specified in this setting. If no setting is present, it is assumed that the goto URL is valid. Resources defined here can have the "*" wildcard defined, where "*" matches all characters except "?".

Default: No validation URLs are specified. OpenAM accepts `goto` URLs without validation.

ssoadm attribute: `openam-auth-valid-goto-resources`

1.5. Deployment Configuration

Under Deployment, you can manage different configurations for OpenAM server instances, and site configurations when using multiple OpenAM server instances.

This section describes the following sets of properties.

- "Configuring Servers"

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

- "Configuring Sites"

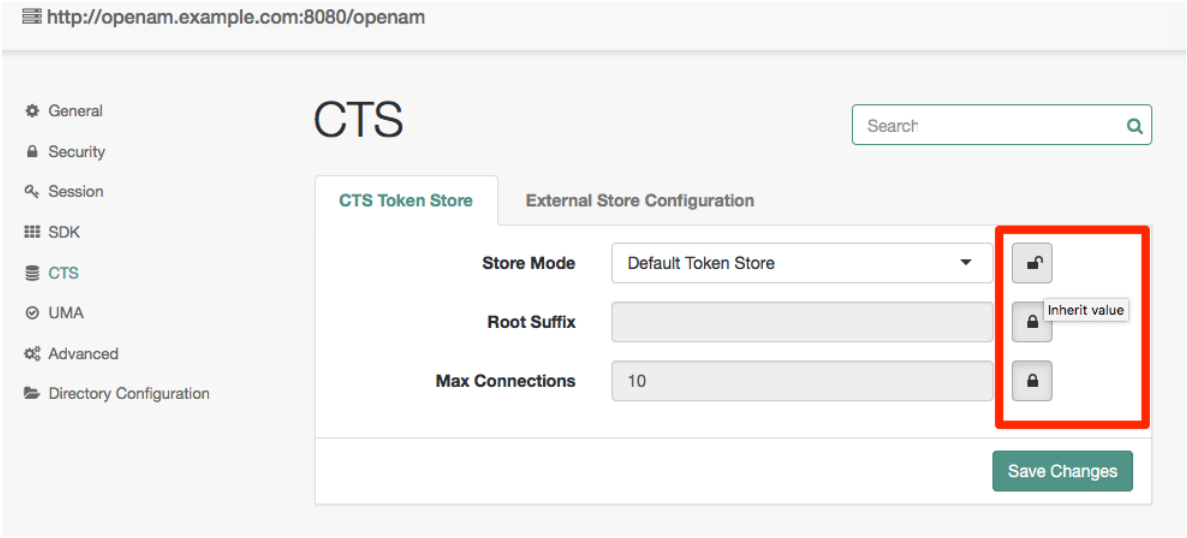
1.5.1. Configuring Servers

OpenAM server properties reside in two places:

- The default configuration, under Configure > Server Defaults
- Per server basis configuration, under Deployment > Servers > *Server Name*.

Default server properties are applied to all server instances, and can be overriden on a per-server basis. Changes to the value of a default server property are applied to all servers that are not overriding that property. The ability to set default properties and override them for an individual server allows you to keep a set of properties with identical configuration across the environment, while providing the flexibility to change properties on specific servers when required.

OpenAM Inherited Properties



- A closed lock means the property is inherited from the defaults. To change an inherited value click on the lock, and the property will become localized for that server.
- An open lock means the property is localized for this server. To return to the inherited values, click on the lock.

The Advanced section also takes values from the defaults, but the properties do not have locks for inheritance. Instead, if you want to override a particular Advanced property value on a per-server basis, you need to add that property with its new value under Deployment > Servers > *Server Name* > Advanced.

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

Note

After changing server configurations, restart OpenAM or the web application container where OpenAM runs for the changes to take effect unless otherwise noted.

1.5.1.1. General

The General tab lets you access the settings to inherit, set the site for the server, and also set system, debug, and mail server attributes.

Parent Site

Select the site from the list. You must first create at least one site.

Base installation directory

OpenAM writes the configuration data and logs here.

property: `com.iplanet.services.configpath`

Default Locale

The default requested locale when the client does not request a locale either by using the `locale` query string parameter or by setting the HTTP header, `Accept-Language`.

To set the locale when OpenAM cannot find UI files for the requested locale, set the JVM platform locale instead. For details, see "How OpenAM Looks Up UI Files" in the *Installation Guide*.

property: `com.iplanet.am.locale`

Notification URL

The notification service endpoint.

property: `com.sun.identity.client.notification.url`

XML Validation

If enabled, then OpenAM validates XML documents that it parses.

property: `com.iplanet.am.util.xml.validating`

Debug Level

Set the log level shared across components for debug logging.

Changes to this property take effect immediately. No server restart is necessary.

property: `com.iplanet.services.debug.level`

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

Merge Debug Files

If enabled, then OpenAM writes all debug log messages to a single file, `debug.out`. By default, OpenAM writes a debug log per component.

Changes to this property take effect immediately. No server restart is necessary.

property: `com.iplanet.services.debug.mergeall`

Debug Directory

File system directory where OpenAM writes debug logs.

Changes to this property do not take effect until you restart the OpenAM server.

property: `com.iplanet.services.debug.directory`

Mail Server Host Name

SMTP host name for email sent by OpenAM.

property: `com.iplanet.am.smtphost`

Mail Server Port Number

SMTP port number for email sent by OpenAM.

property: `com.iplanet.am.smtpport`

1.5.1.2. Security

Most security settings are inherited by default.

Password Encryption Key

Encryption key for decrypting stored passwords.

The value of the `am.encryption.pwd` property must be the same for all deployed servers in a site. You can set the Password Encryption Key property at Deployment > Servers > *Server Name* > Security. Verify that all servers have the same setting for this property.

Example: `TF1Aue9c63bWTTY4mmZJeFYubJbNiSE3`

property: `am.encryption.pwd`

Authentication Service Shared Secret

Shared secret for application authentication

Example: `AQICQ7QMKN5TSt1fpyFZBMZ8hRwkYkkrUaFk`

property: `com.iplanet.am.service.secret`

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

Encryption class

Default class used to handle encryption

Default: `com.iplanet.services.util.JCEEncryption`

property: `com.iplanet.security.encryptor`

Secure Random Factory Class

The default implementation uses pure Java, rather than JSS.

Default: `com.iplanet.am.util.SecureRandomFactoryImpl`

property: `com.iplanet.security.SecureRandomFactorImpl`

Platform Low Level Comm. Max. Content Length

Maximum content length for an HTTP request

Default: 16384

property: `com.iplanet.services.comm.server.pllrequest.maxContentLength`

Client IP Address Check

If enabled, then OpenAM checks client IP addresses when creating and validating SSO tokens.

Default: No

property: `com.iplanet.am.clientIPCheckEnabled`

Cookie Name

Cookie name OpenAM uses to set a session handler ID during authentication.

Default: `iPlanetDirectoryPro`

property: `com.iplanet.am.cookie.name`

Secure Cookie

If yes, then OpenAM sets the cookie in secure mode such that the browser only returns the cookie if a secure protocol such as HTTPS is used.

Default: No

property: `com.iplanet.am.cookie.secure`

Encode Cookie Value

If yes, then OpenAM URL encodes cookie values.

Default: No

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

property: `com.iplanet.am.cookie.encode`

Keystore File

Path to OpenAM keystore file

Default: Path to `keystore.jceks`, located in the directory that holds the OpenAM configuration.

Example: `~/openam/openam/keystore.jceks`

property: `com.sun.identity.saml.xmlsig.keystore`

Keystore Type

The OpenAM keystore type—either JCEKS or JKS

Default: `JCEKS`

property: `com.sun.identity.saml.xmlsig.storetype`

Keystore Password File

Path to password file for keystore

Default: Path to `.storepass`, located in the directory that holds the OpenAM configuration.

Example: `~/openam/openam/.storepass`

property: `com.sun.identity.saml.xmlsig.storepass`

Private Key Password File

Path to password file for OpenAM private key

Default: Path to `.keypass`, located in the directory that holds the OpenAM configuration.

Example: `~/openam/openam/.keypass`

property: `com.sun.identity.saml.xmlsig.keypass`

Certificate Alias

Alias for OpenAM certificate stored in keystore

Not set by default

property: `com.sun.identity.saml.xmlsig.certalias`

CRL: LDAP server host name

Directory server host name where the certificate revocation list (CRL) is cached

Not set by default

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

property: `com.sun.identity.crl.cache.directory.host`

CRL: LDAP server port number

Directory server port number where the certificate revocation list is cached

Not set by default

property: `com.sun.identity.crl.cache.directory.port`

CRL: SSL/TLS Enabled

If yes, then connect securely when accessing the CRL cache directory server

Default: No

property: `com.sun.identity.crl.cache.directory.ssl`

CRL: LDAP server bind user name

Bind DN to access CRL cache directory server

Not set by default

property: `com.sun.identity.crl.cache.directory.user`

CRL: LDAP server bind password

Bind password to access CRL cache directory server

Not set by default

property: `com.sun.identity.crl.cache.directory.password`

CRL: LDAP search base DN

Base DN under which to search for CRL

Not set by default

property: `com.sun.identity.crl.cache.directory.searchlocs`

CRL: Search Attributes

DN component of issuer's subject DN used to retrieve the CRL

Not set by default

property: `com.sun.identity.crl.cache.directory.searchattr`

OCSP: Check Enabled

If yes, then OpenAM runs Online Certificate Status Protocol (OCSP) checks.

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

Default: Yes

property: `com.sun.identity.authentication.ocspCheck`

Responder URL

URL for OCSP responder

Not set by default

property: `com.sun.identity.authentication.ocsp.responder.url`

Certificate Nickname

Nickname for OCSP responder certificate

Not set by default

property: `com.sun.identity.authentication.ocsp.responder.nickname`

Object Deserialisation Class Whitelist

List of classes that are considered valid when OpenAM performs object deserialization operations.

property: `openam.deserialisation.classes.whitelist`

1.5.1.3. Session

Session settings are inherited by default.

Maximum Sessions

Maximum concurrent stateful sessions OpenAM permits

property: `com.iplanet.am.session.maxSessions`

Invalidate Session Max Time

Minutes after which invalid stateful sessions are removed from the session table

property: `com.iplanet.am.session.invalidsessionmaxtime`

Sessions Purge Delay

Minutes OpenAM delays purging of stateful sessions

property: `com.iplanet.am.session.purgedelay`

Logging Interval

Seconds OpenAM delays between logging stateful session statistics

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

property: `com.iplanet.am.stats.interval`

State

Whether to write statistics to a `file`, to the `console`, or to turn recording `off`

property: `com.iplanet.services.stats.state`

Directory

Path to statistics logs directory

property: `com.iplanet.services.stats.directory`

Enable Host Lookup

If yes, then OpenAM performs host lookup during stateful session logging.

property: `com.sun.am.session.enableHostLookUp`

Notification Pool Size

Number of threads in the session change notification pool. Session notification applies to stateful sessions only.

property: `com.iplanet.am.notification.threadpool.size`

Notification Thread Pool Threshold

Maximum number of tasks in the queue for serving session change notification threads. Session notification applies to stateful sessions only.

property: `com.iplanet.am.notification.threadpool.threshold`

Case Insensitive client DN comparison

If yes, then OpenAM distinguished name comparison is case insensitive.

property: `com.sun.am.session.caseInsensitiveDN`

1.5.1.4. SDK

Most SDK settings are inherited.

Enable Datastore Notification

If yes, then OpenAM uses data store notification. Otherwise, OpenAM uses in-memory notification.

Changes to this property take effect immediately. No server restart is necessary.

property: `com.sun.identity.sm.enableDataStoreNotification`

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

Enable Directory Proxy

If yes, then OpenAM accounts for the use of a directory proxy to access the directory server.

property: `com.sun.identity.sm.ldap.enableProxy`

Notification Pool Size

Service management notification thread pool size

property: `com.sun.identity.sm.notification.threadpool.size`

Number of retries for Event Service connections

Maximum number of attempts to reestablish Event Service connections

property: `com.iplanet.am.event.connection.num.retries`

Delay between Event Service connection retries

Milliseconds between attempts to reestablish Entry Service connections

property: `com.iplanet.am.event.connection.delay.between.retries`

Error codes for Event Service connection retries

LDAP error codes for which OpenAM retries rather than returning failure

property: `com.iplanet.am.event.connection.ldap.error.codes.retries`

Disabled Event Service Connection

Persistent search connections OpenAM can disable

property: `com.sun.am.event.connection.disable.list`

Number of retries for LDAP Connection

Maximum number of attempts to reestablish LDAP connections

property: `com.iplanet.am.ldap.connection.num.retries`

Delay between LDAP connection retries

Milliseconds between attempts to reestablish LDAP connections

property: `com.iplanet.am.ldap.connection.delay.between.retries`

Error Codes for LDAP connection retries

LDAP error codes for which OpenAM retries rather than returning failure

property: `com.iplanet.am.ldap.connection.ldap.error.codes.retries`

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

SDK Caching Max. Size

Cache size used if SDK caching is enabled

Changes to this property take effect immediately. No server restart is necessary.

property: `com.iplanet.am.sdk.cache.maxSize`

SDK Replica Retries

Maximum number of attempts to retrieve entries returned as not found

Changes to this property take effect immediately. No server restart is necessary.

property: `com.iplanet.am.replica.num.retries`

Delay between SDK Replica Retries

Milliseconds between attempts to retrieve entries through the SDK

Changes to this property take effect immediately. No server restart is necessary.

property: `com.iplanet.am.replica.delay.between.retries`

Cache Entry Expiration Enabled

If no, then cache entries expire based on User Entry Expiration Time

property: `com.iplanet.am.sdk.cache.entry.expire.enabled`

User Entry Expiration Time

Minutes user entries remain valid after modification. When OpenAM accesses a user entry that has expired, it rereads the entry from the directory server.

property: `com.iplanet.am.sdk.cache.entry.user.expire.time`

Default Entry Expiration Time

Minutes non-user entries remain valid after modification

property: `com.iplanet.am.sdk.cache.entry.default.expire.time`

1.5.1.5. CTS

The Core Token Service (CTS) does not need to be configured in the same LDAP storage as the external or embedded user store. The CTS can instead be configured on its own external directory server. There are some specific requirements for indexing and replication which need to be accounted for. In particular, WAN replication is an important consideration which needs to be handled carefully for optimum performance.

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

You may also choose to set advanced properties related to token size, including `com.sun.identity.session.repository.enableEncryption`, `com.sun.identity.session.repository.enableCompression`, and `com.sun.identity.session.repository.enableAttributeCompression`. For more information, identify these variables in the following section: "Advanced".

CTS Token Store

Store Mode

CTS tokens are stored in the same external or embedded data store used for the OpenAM configuration when you specify the Default Token Store option. When using the default token store option, you can only configure the Root Suffix property.

You can separate the CTS store from the OpenAM configuration on different external servers by selecting the External Token Store option. When specifying this option, you can also configure token schema and indexes.

Root Suffix

For either the default or external token stores, enter the base DN for CTS storage information in LDAP format, such as `dc=cts,dc=forgerock,dc=com`. The `Root Suffix` would be a database that can be maintained and replicated separately from the standard user data store.

Max Connections

Specifies the maximum number of remote connections to the external data store. For affinity deployments, this property specifies the maximum number of remote connections to each directory server in the connection string.

Default: `10`

External Token Store

If you use OpenDJ, you can separate the CTS from the configuration on different external servers. On the external CTS server, you can also configure token schema and indexes.

SSL/TLS Enabled

Access the directory service using StartTLS or LDAPS.

You can configure this field for external token stores only.

Connection String(s)

Specifies the ordered list of connection strings for external OpenDJ servers. The format is `HOST:PORT[|SERVERID[|SITEID]]`, where `HOST:PORT` are the LDAP server and its port. `SERVERID` and `SITEID` are optional parameters to specify an OpenAM instance that prioritizes the particular connection. This does not exclude other OpenAM instances from using that connection, although they must have no remaining priority connections available to them before they use it.

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

When a failed OpenDJ server becomes available again, OpenAM instances create new connections to it based on the order specified in the list.

Examples for active/passive deployments:

`cts-dj1.example.com:389,cts-dj2.example.com:389`

Every OpenAM instance accesses `cts-dj1.example.com:389` for all CTS operations. If it goes down, they access `cts-dj2.example.com:389`.

Every instance will open new connections to `cts-dj1.example.com:389` when it becomes available.

`cts-dj1.example.com:389|1|1,cts-dj2.example.com:389|2|1`

Server 1 site 1 gives priority to `cts-dj1.example.com:389`. Server 2 site 1 gives priority to `cts-dj2.example.com:389`. Any server not specified accesses the first server on the list, while it is available.

If `cts-dj1.example.com:389` goes down, server 1 site 1 accesses `cts-dj2.example.com:389`. Any server not specified access the second server on the list.

If `cts-dj2.example.com:389` goes down, server 2 site 1 accesses `cts-dj1.example.com:389`. Any server not specified still accesses the first server on the list.

Server 1 site 1 and any server not specified will open new connections to `cts-dj1.example.com:389` when it becomes available. Only server 2 site 1 will open new connections to `cts-dj2.example.com:389` when it becomes available.

`cts-dj1.example.com:389|1|1,cts-dj2.example.com:389|1|1,cts-dj3.example.com:389|1|2`

Server 1 site 1 gives priority to `cts-dj1.example.com:389`. Any server not specified accesses the first server on the list, while it is available.

If `cts-dj1.example.com` goes down, server 1 site 1 accesses `cts-dj2.example.com:389`. Any server not specified accesses the second server on the list.

If both `cts-dj1.example.com` and `cts-dj2.example.com` go down, server 1 site 1 accesses `cts-dj3.example.com:389` in site 2. Any server not specified accesses the third server on the list.

Server 1 site 1 and any server not specified will open new connections to any server in site 1 when they become available, with `cts-dj1.example.com` being the preferred server.

Example for affinity deployments:

`cts-dj1.example.com:389,cts-dj2.example.com:389,cts-dj3.example.com:389,cts-dj4.example.com:389`

Access CTS tokens from one of the four servers listed in the connection string. For any given CTS token, OpenAM determines the token's affinity for one of the four servers, and always accesses the token from that same server. Tokens are distributed equally across the four servers.

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

Login Id

Specifies the user, in DN format, needed to authenticate. The user needs sufficient privileges to read and write to the root suffix of the external data store.

You can configure this field for external token stores only.

Password

Specifies the password associated with the login ID.

You can configure this field for external token stores only.

Heartbeat

Specifies how often OpenAM should send a heartbeat request to the directory server to ensure that the connection does not remain idle, in seconds.

Default: `10`

You can configure this field for external token stores only.

Affinity Enabled

When enabled, specifies whether to access the CTS token store by using multiple directory instances in an affinity deployment rather than a single master directory instance using an active/passive deployment.

When you enable this option, you must ensure that the value of the Connection String(s) property is identical for every server in multi-server deployments.

Default: Disabled

1.5.1.6. UMA

OpenAM stores four types of UMA information:

Resource sets

Information about registered resource sets.

UMA audit information

Audit information generated when users manage access to their protected resources.

Pending requests

Pending requests for access to protected resources.

UMA resource set labels

Information about user-created labels used for organizing resource sets.

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

The following settings are available for all store types:

Store Mode

UMA tokens are stored in the embedded data store when you specify the Default Token Store option.

UMA tokens are stored in a separate external store when you specify the External Token Store option.

Additional options become available for each store where this option is enabled, see Configuring External UMA Stores.

Root Suffix

Enter the base DN for storage information in LDAP format, such as `dc=uma-rs,dc=forgerock,dc=com`.

Max Connections

Sets the maximum number of connections to the data store.

Configuring External UMA Stores

The options in this section become available when `External Token Store` is selected for a store type.

SSL/TLS Enabled

Specifies if SSL or TLS is enabled for the connection to the store.

Connection String(s)

Each connection string is composed as follows: *`HOST:PORT[|SERVERID[|SITEID]]`*, where *SERVERID* and *SITEID* are optional parameters that will prioritize that connection for use by the specified nodes. Multiple connection strings should be comma-separated, for example, `host1:389,host2:50389|server1|site1,host3:50389`.

See the entry for Connection String(s) in "CTS" for syntax examples.

Login Id

The DN of the store user that OpenAM authenticates as. This user needs sufficient privileges to read and write to the root suffix of the store.

Password

Specifies the password associated with the login ID.

Heartbeat

Specifies how often OpenAM should send a heartbeat request to the store to ensure that the connection does not remain idle, in seconds.

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

Default: `10`

1.5.1.7. Advanced

Use this page to set advanced properties directly. A partial list of advanced properties follows.

For a list of inherited advanced properties, see the table under the Advanced tab for Default Server Settings.

`com.iplanet.am.cookie.c66Encode`

Properly URL encode session tokens.

Default: `true`

`com.iplanet.am.daemons`

Modules for which to open daemons at OpenAM startup.

Default: `securid`

`com.iplanet.am.directory.ssl.enabled`

Whether to connect to the configuration directory server over LDAPS.

Default: `false`

`com.iplanet.am.installdir`

OpenAM Configuration and log file location.

Default: `~/openam/server-uri`, such as `~/openam/openam`

`com.iplanet.am.jssproxy.checkSubjectAltName`

When using JSS or JSSE, check whether the name values in the `SubjectAltName` certificate match the server FQDN.

Default: `false`

`com.iplanet.am.jssproxy.resolveIPAddress`

When using JSS or JSSE, check that the IP address of the server resolves to the host name.

Default: `false`

`com.iplanet.am.jssproxy.SSLTrustHostList`

When using JSS or JSSE, comma-separated list of server FQDNs to trust if they match the certificate CN, even if the domain name is not correct.

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

`com.iplanet.am.jssproxy.trustAllServerCerts`

When using JSS or JSSE, set to `true` to trust whatever certificate is presented without checking.

Default: `true`

`com.iplanet.am.lbcookie.name`

Used with sticky load balancers that can inspect the cookie value.

Default: `amlbcookie`

`com.iplanet.am.lbcookie.value`

Used with sticky load balancers that can inspect the cookie value. The value of this property defaults to the unique OpenAM server ID, although you can set your own unique value.

To reduce crosstalk between the OpenAM servers, keep the value of the `amlbcookie` cookie set to the OpenAM server ID when using Web Policy Agent 4.1.x with CDSSO mode enabled.

If you have replaced the value of the this property and you need to match the OpenAM server URLs with their corresponding server IDs, query the `global-config/servers` endpoint. For example:

```
$ curl -X GET
 \
--header 'Accept: application/json'
 \
--header "iPlanetDirectoryPro: AQIC5...NDU1*" \
'https://openam.example.com:8443/openam/json/global-config/servers?_queryFilter=true'
"result": [
 {
    "_id": "01",
    "_rev": "-1541617246",
    "siteName": null,
    "url": "https://openam.example.com:8443/openam"
 }
],
"resultCount": 1,
"totalPagedResults": -1,
"totalPagedResultsPolicy": "NONE"
```

In the example above, the server ID for server `https://openam.example.com:8443/openam` is `01`.

Default: `01`

`com.iplanet.am.pcookie.name`

Persistent cookie name.

Default: `DProPCookie`

`com.iplanet.am.profile.host`

Not used

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

Default: *server-host*, such as `openam.example.com`

`com.iplanet.am.profile.port`

Not used

Default: *server-port*, such as `8080` or `8443`

`com.iplanet.am.sdk.caching.enabled`

Enables caching for configuration data and user data. See "Overall Server Cache Settings" in the *Administration Guide* for important information about this property.

Changes to this property take effect immediately. No server restart is necessary.

Default: `true`

`com.iplanet.am.session.agentSessionIdleTime`

Time in *minutes* after which a policy agent's stateful session expires. Note that this setting is ignored when OpenAM creates a stateless session for a policy agent.

Default: `0` (never time out). You can set this property to `0`, or `30` and higher (no maximum limit).

`com.iplanet.am.session.client.polling.enable`

Whether client applications such as policy agents poll for stateful session changes. If `false`, then client applications register listeners for notifications about changes to stateful sessions.

Default: `false`

`com.iplanet.am.session.client.polling.period`

If client applications poll for changes, number of seconds between polls.

Default: `180`

`com.iplanet.am.session.failover.cluster.stateCheck.period`

Time in milliseconds between health checks of other servers in the same site.

Default: `1000`

`com.iplanet.am.session.failover.cluster.stateCheck.timeout`

Socket timeout in milliseconds for health checks of other servers in the same site.

Default: `1000`

`com.iplanet.am.session.httpSession.enabled`

Create an `HttpSession` for users on successful authentication.

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

Default: `true`

`com.iplanet.security.SSLSocketFactoryImpl`

SSL socket factory implementation used by OpenAM.

Default: `com.sun.identity.shared.ldap.factory.JSSESocketFactory`, uses a pure Java provider

`com.iplanet.services.cdc.invalidGotoStrings`

Strings that OpenAM rejects as values in `goto` query string parameters.

Default: `<,>javascript:,javascript%3a,%3c,%3e`

`com.sun.embedded.replicationport`

Replication port for embedded OpenDJ directory server.

Default: `8989`

`com.sun.embedded.sync.servers`

This property applies to multi-server OpenAM deployments that use the embedded OpenDJ store.

When this property is set to `on`, OpenAM servers check during startup to determine whether the replication settings for the embedded store are consistent with the number of servers in the site. If they are not consistent, OpenAM reconfigures replication to match the existing number of servers in the site.

> **Note**
>
> Set this property on a per-server basis by navigating to Deployment > Servers > *Server Name* > Advanced, rather than globally under Configure > Server Defaults.

Default: `on`

`com.sun.identity.am.cookie.check`

Whether to check for cookie support in the user agent, and if not to return an error.

Default: `false`

`com.sun.identity.appendSessionCookieInURL`

Whether to append the session cookie to URL for a zero page session.

Default: `true`

`com.sun.identity.auth.cookieName`

Cookie used by the OpenAM authentication service to handle the authentication process.

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

Default: `AMAuthCookie`

`com.sun.identity.authentication.client.ipAddressHeader`

Set the name of the HTTP header that OpenAM can examine to learn the client IP address when requests go through a proxy or load balancer. (When requests go through an HTTP proxy or load balancer, checking the IP address on the request alone returns the address of the proxy or load balancer rather than that of the client.) OpenAM must be able to trust the proxy or load balancer to set the client IP address correctly in the header specified.

Example: `com.sun.identity.authentication.client.ipAddressHeader=X-Forwarded-For`

`com.sun.identity.authentication.multiple.tabs.used`

Whether to allow users to open many browser tabs to the login page at the same time without encountering an error.

Default: `false`

`com.sun.identity.authentication.setCookieToAllDomains`

Whether to allow multiple cookie domains.

Default: `true`

`com.sun.identity.authentication.special.users`

List of special users always authenticated against the local directory server.

Default: `cn=dsameuser,ou=DSAME Users,dc=openam,dc=forgerock,dc=org|cn=amService-UrlAccessAgent,ou=DSAME Users,dc=openam,dc=forgerock,dc=org`

`com.sun.identity.authentication.super.user`

OpenAM privileged administrator user.

Default: `uid=amAdmin,ou=People,dc=openam,dc=forgerock,dc=org`

`com.sun.identity.authentication.uniqueCookieName`

When cookie hijacking protection is configured, name of the cookie holding the URL to the OpenAM server that authenticated the user.

Default: `sunIdentityServerAuthNServer`

`com.sun.identity.client.notification.url`

Notification service endpoint for clients such as policy agents.

Default: *`server-protocol://server-host:server-port/server-uri`*`/notificationservice`, such as `https://openam.example.com:8443/openam/notificationservice`

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

`com.sun.identity.common.systemtimerpool.size`

Number of threads in the shared system timer pool used to schedule operations such as session timeout.

Default: `3`

`com.sun.identity.cookie.httponly`

When set to `true`, mark cookies as HTTPOnly to prevent scripts and third-party programs from accessing the cookies.

Note that this configuration option is used only in non-XUI deployments. The XUI cannot set the HttpOnly name in a cookie.

Default: `false`

`com.sun.identity.enableUniqueSSOTokenCookie`

If `true`, then OpenAM is using protection against cookie hijacking.

Default: `false`

`com.sun.identity.jss.donotInstallAtHighestPriority`

Whether JSS should take priority over other providers.

Default: `true`

`com.sun.identity.monitoring`

Whether monitoring is active for OpenAM.

Default: `off`

`com.sun.identity.monitoring.local.conn.server.url`

URL for local connection to the monitoring service.

Default: `service:jmx:rmi://`

`com.sun.identity.password.deploymentDescriptor`

Internal property used by OpenAM.

Default: *server-uri*, such as `openam`

`com.sun.identity.policy.Policy.policy_evaluation_weights`

Weights of the cost of evaluating policy subjects, rules, and conditions. Evaluation is in order of heaviest weight to lightest weight.

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

Default: `10:10:10`, meaning evaluation of rules, then conditions, then subjects

`com.sun.identity.policy.resultsCacheMaxSize`

Maximum number of policy decisions OpenAM caches.

Default: `10000`

`com.sun.identity.security.checkcaller`

Whether to perform a Java security permissions check for OpenAM.

Default: `false`

`com.sun.identity.server.fqdnMap`

Enables virtual hosts, partial hostname and IP address. Maps invalid or virtual name keys to valid FQDN values for proper redirection.

To map `myserver` to `myserver.example.com`, set `com.sun.identity.server.fqdnMap[myserver]=myserver.example.com`.

`com.sun.identity.session.repository.enableAttributeCompression`

For additional compression of CTS token JSON binaries, beyond GZip, if desired.

Default: `false`

`com.sun.identity.session.repository.enableCompression`

For GZip-based compression of CTS tokens, if desired.

Default: `false`

`com.sun.identity.session.repository.enableEncryption`

Enables tokens to be encrypted when stored.

Multi-instance deployments require consistent use of this property, which should be configured under Configure > Server Defaults > Advanced.

The `am.encryption.pwd` property must also be the same for all deployed instances. You can set the Password Encryption Key property under Deployment > Servers > *Server Name* > Security. Verify that all servers have the same setting for this property.

Default: `false`

`com.sun.identity.sm.cache.enabled`

Enables service configuration caching. See "Overall Server Cache Settings" in the *Administration Guide* for important information about this property.

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

Changes to this property take effect immediately. No server restart is necessary.

Default: `true`

`com.sun.identity.sm.cache.ttl`

When service configuration caching time-to-live is enabled, this sets the time to live in minutes.

Changes to this property take effect immediately. No server restart is necessary.

Default: `30`

`com.sun.identity.sm.cache.ttl.enable`

If service configuration caching is enabled, whether to enable a time-to-live for cached configuration.

Changes to this property take effect immediately. No server restart is necessary.

Default: `false`

`com.sun.identity.sm.flatfile.root_dir`

File system directory to hold file-based representation of OpenAM configuration.

Default: `~/openam/`*`server-uri`*`/sms` such as `~/openam/openam/sms`

`com.sun.identity.sm.sms_object_class_name`

Class used to read and write OpenAM service configuration entries in the directory.

Default: `com.sun.identity.sm.ldap.SMSEmbeddedLdapObject`

`com.sun.identity.url.readTimeout`

Used to set the read timeout in milliseconds for HTTP and HTTPS connections to other servers.

Default: `30000`

`com.sun.identity.urlchecker.dorequest`

Whether to perform an HTTP GET on `com.sun.identity.urlchecker.targeturl` as a health check against another server in the same site.

If set to `false`, then OpenAM only checks the Socket connection, and does not perform an HTTP GET.

If each OpenAM server runs behind a reverse proxy, then the default setting of `true` means the health check actually runs against the OpenAM instance, rather than checking only the Socket to the reverse proxy.

Default: `true`

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

`com.sun.identity.urlchecker.targeturl`

URL to monitor when `com.sun.identity.urlchecker.dorequest` is set to `true`.

Default: URL to the `/openam/namingservice` endpoint on the remote server

`com.sun.identity.urlconnection.useCache`

Whether to cache documents for HTTP and HTTPS connections to other servers.

Default: `false`

`com.sun.identity.webcontainer`

Name of the web container to correctly set character encoding, if necessary.

Default: `WEB_CONTAINER`

`console.privileged.users`

Used to assigned privileged console access to particular users. Set to a `|` separated list of users' Universal IDs, such as `console.privileged.users=uid=demo,ou=user,dc=openam,dc=forgerock,dc=org|uid=demo2,ou=user,dc=openam,dc=forgerock,dc=org`.

`openam.auth.destroy_session_after_upgrade`

Where to destroy the old session after a session is successfully upgraded.

Default: `true`

`openam.auth.distAuthCookieName`

Cookie used by the OpenAM distributed authentication service to handle the authentication process.

Default: `AMDistAuthCookie`

`openam.auth.session_property_upgrader`

Class that controls which session properties are copied during session upgrade, where default is to copy all properties to the upgraded session.

Default: `org.forgerock.openam.authentication.service.DefaultSessionPropertyUpgrader`

`openam.auth.version.header.enabled`

The X-DSAMEVersion http header provides detailed information about the version of OpenAM currently running on the system, including the build and date/time of the build. OpenAM will need to be restarted once this property is enabled.

Default: `false`

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

`openam.authentication.ignore_goto_during_logout`

Whether to ignore the `goto` query string parameter on logout, instead displaying the logout page.

Default: `false`

`openam.cdm.default.charset`

Character set used for globalization.

Default: `UTF-8`

`openam.forbidden.to.copy.headers`

Comma-separated list of HTTP headers not to copy when the distributed authentication server forwards a request to another distributed authentication server.

Default: `connection`

`openam.forbidden.to.copy.request.headers`

Comma-separated list of HTTP headers not to copy when the distributed authentication server forwards a request to another distributed authentication server.

Default: `connection`

`openam.retained.http.headers`

Comma-separated list of HTTP headers to copy to the forwarded response when the server forwards a request to another server.

Requests are forwarded when the server receiving the request is not the server that originally initiated authentication. The server that originally initiated authentication is identified by a cookie.

When the distributed authentication service (DAS) is in use, then the cookie is the `AMDistAuthCookie` that identifies the DAS server by its URL.

When authentication is done directly on OpenAM, then the cookie is the `AMAuthCookie` that holds a session ID that identifies the OpenAM server.

On subsequent requests the server receiving the request checks the cookie. If the cookie identifies another server, the current server forwards the request to that server.

If a header such as `Cache-Control` has been included in the list of values for the property `openam.retained.http.request.headers` and the header must also be copied to the response, then add it to the list of values for this property.

Example: `openam.retained.http.headers=X-DSAMEVersion,Cache-Control`

Default: `X-DSAMEVersion`

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

`openam.retained.http.request.headers`

Comma-separated list of HTTP headers to copy to the forwarded request when the server forwards a request to another server.

Requests are forwarded when the server receiving the request is not the server that originally initiated authentication. The server that originally initiated authentication is identified by a cookie.

When the distributed authentication service (DAS) is in use, then the cookie is the `AMDistAuthCookie` that identifies the DAS server by its URL.

When authentication is done directly on OpenAM, then the cookie is the `AMAuthCookie` that holds a session ID that identifies the OpenAM server.

On subsequent requests the server receiving the request checks the cookie. If the cookie identifies another server, the current server forwards the request to that server.

When configuring the distributed authentication service, or when a reverse proxy is set up to provide the client IP address in the `X-Forwarded-For` header, if your deployment includes multiple OpenAM servers, then this property must be set to include the header.

Example: `openam.retained.http.request.headers=X-DSAMEVersion,X-Forwarded-For`

OpenAM copies the header when forwarding a request to the authoritative server where the client originally began the authentication process, so that the authoritative OpenAM server receiving the forwarded request can determine the real client IP address.

In order to retain headers to return in the response to the OpenAM server that forwarded the request, use the property `openam.retained.http.headers`.

Default: `X-DSAMEVersion`

`openam.session.case.sensitive.uuid`

Whether universal user IDs are considered case sensitive when matching them.

Default: `false`

`openam.session.useLocalSessionsInMultiServerMode`

This property is for use in multi-server deployments where session failover is not available. If `true`, calculate session quotas per server. In other words, if the session quota is 5 sessions and users can access up to 4 servers, they can have a maximum of 20 (5 * 4) sessions.

Default: `false`

`opensso.protocol.handler.pkgs`

If the web application containers sets `java.protocol.handler.pkgs`, then set this property to `com.sun.identity.protocol`.

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

`org.forgerock.embedded.dsadminport`

Administration port for embedded OpenDJ directory server.

Default: `4444`

`org.forgerock.openam.authentication.accountExpire.days`

Days until account expiration set after successful authentication by the account expiration post authentication plugin.

Default: `30`

`org.forgerock.openam.cdc.validLoginURIs`

This property sets a whitelist of valid login URIs. It is used by the CDCServlet to validate `LoginURI` parameter values.

Set only the URIs, not the query string parameters. If the actual `LoginURI` parameter value includes query string parameters, then OpenAM strips them off before comparing the URI with the value or values in the whitelist.

Separate multiple values with a comma, as in the following example: `org.forgerock.openam.cdc.validLoginURIs=/UI/Login,/customLoginURI`.

Default: `/UI/Login`

`org.forgerock.openam.core.resource.lookup.cache.enabled`

Controls whether the results of resource file lookup should be cached.

While you are customizing the UI as described in "Customizing the Classic User Interface (Legacy)" in the *Installation Guide*, set this property to `false` to allow OpenAM immediately to pick up changes to the files as you customize them.

Reset this to the default, `true`, when using OpenAM in production.

Default: `true`

`org.forgerock.openam.cts.rest.enabled`

Enables access to the CTS REST endpoint `/json/tokens`.

Even when access to the CTS REST endpoint is enabled, only the OpenAM global administrator has authorization to perform operations against `/json/tokens`.

Default: `false`

After changing this property, you must restart OpenAM or the container in which it runs for the change to take effect.

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

`org.forgerock.openam.ldap.default.time.limit`

Configures the client-side timeout, in milliseconds, applied to LDAP operations performed with the Netscape LDAP SDK.

Default: `0` (no time limit)

`org.forgerock.openam.openidconnect.allow.open.dynamic.registration`

Controls whether OpenID Connect clients can register dynamically without providing an access token.

If you set this to `true` in production, take care to limit or throttle dynamic client registrations.

Default: `false`

`org.forgerock.openam.redirecturlvalidator.maxUrlLength`

Specifies the maximum length of redirection URLs validated by OpenAM. The Validation Service and other OpenAM services perform redirection URL validation.

The default value should be adequate in most cases. Increase the default value as needed if messages similar to the following appear in your debug log files with message-level debugging enabled:

```
 RedirectUrlValidator.isRedirectUrlValid: The url was length 2015 which is longer than the allowed
 maximum of 2000
```

Default: `2000`

`org.forgerock.openam.slf4j.enableTraceInMessage`

Controls whether trace-level logging messages are generated when message-level debug logging is enabled in OpenAM.

Certain components that run in OpenAM's JVM—for example, embedded OpenDJ configuration stores—write a large volume of trace-level debug records that are not required for troubleshooting in many cases. With this option set to `false`, trace-level debug records are not written for these components.

If you set this to `true` in production, take care to monitor the amount of disk space occupied by the OpenAM debug logs.

Default: `false`

`org.forgerock.policy.subject.evaluation.cache.size`

Maintains a record of subject IDs matched or not matched in a given session. The cache is keyed on the token ID, and the session is cleared when destroyed.

Default:`10000`

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

`org.forgerock.services.datalayer.connection.timeout`

Timeout in seconds for LDAP connections to the configuration data store.

Default: `10` (seconds)

For suggested settings, see "Tuning LDAP CTS and Configuration Store Settings" in the *Administration Guide*.

`org.forgerock.services.datalayer.connection.timeout.cts.async`

Timeout in seconds for LDAP connections used for most CTS operations.

Default: `10` (seconds)

For suggested settings, see "Tuning LDAP CTS and Configuration Store Settings" in the *Administration Guide*.

`org.forgerock.services.datalayer.connection.timeout.cts.reaper`

Timeout in seconds for the LDAP connection used for CTS token cleanup.

Default: None (do not time out)

For suggested settings, see "Tuning LDAP CTS and Configuration Store Settings" in the *Administration Guide*.

`securidHelper.ports`

Port on which SecurID daemon listens.

Default: 58943

`ssoadm.disabled`

Set to `false` to enable `ssoadm.jsp`.

Default: `true`

1.5.1.8. Directory Configuration

Use this tab to change connection settings and add additional LDAP configuration directory server instances.

Minimum Connection Pool

Set the minimum number of connections in the pool.

Changes to this property take effect immediately. No server restart is necessary.

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

Maximum Connection Pool

Set the maximum number of connections in the pool.

Changes to this property take effect immediately. No server restart is necessary.

Bind DN

Set the bind DN to connect to the configuration directory servers.

Changes to this property take effect immediately. No server restart is necessary.

Bind Password

Set the bind password to connect to the configuration directory servers.

Changes to this property take effect immediately. No server restart is necessary.

1.5.2. Configuring Sites

Sites involve multiple OpenAM servers working together to provide services. You can use sites with load balancers and session failover to configure pools of servers capable of responding to client requests in highly available fashion.

Primary URL

Set the primary entry point to the site, such as the URL to the load balancer for the site configuration.

Secondary URLs

Set alternate entry points to the site. Used when session failover is configured.

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

Chapter 2

OpenAM Audit Logging

OpenAM writes log messages generated from audit events triggered by its components, instances, and other ForgeRock-based stack products.

2.1. Audit Log Format

This chapter presents the audit log format for each topic-based file, event names, and audit constants used in its log messages.

2.1.1. Access Log Format

Access Log Format

Schema Property	Description
`_id`	Specifies a universally unique identifier (UUID) for the message object, such as `a568d4fe-d655-49a8-8290-bfc02095bec9-491`.
`timestamp`	Specifies the timestamp when OpenAM logged the message, in UTC format to millisecond precision: `yyyy-MM-ddTHH:mm:ss.msZ`. For example: `2015-11-14T00:16:04.653Z`
`eventName`	Specifies the name of the audit event. For example, `AM-ACCESS-ATTEMPT` and `AM-ACCESS-OUTCOME`.
`transactionId`	Specifies the UUID of the transaction, which identifies an external request when it comes into the system boundary. Any events generated while handling that request will be assigned that transaction ID, so that you may see the same transaction ID even for different audit event topics. For example, `9c9e8d5c-2941-4e61-9c3c-8a990088e801`. OpenAM supports a feature where trusted OpenAM deployment with multiple instances, components, and ForgeRock stack products can propagate the transaction ID through each call across the stack. OpenAM reads the `X-ForgeRock-TransactionId` HTTP header and appends an integer to the transaction ID. Note that this feature is disabled by default. When enabled, this feature should filter the `X-ForgeRock-TransactionId` HTTP header for connections from untrusted sources.
`userid`	Specifies the universal identifier for authenticated users. For example, `id=scarter,ou=user,o=shop,ou=services,dc=example,dc=com`.

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

Schema Property	Description
`trackingIds`	Specifies a unique random string generated as an alias for each OpenAM session ID and OAuth 2.0 token. In releases prior to OpenAM 13.0.0, the `contextId` log property used a random string as an alias for the session ID. The `trackingIds` property also uses an alias when referring to session IDs, for example, `[ "45b17894529cf74301" ]`. OpenAM 13.0.0 extends this property to handle OAuth 2.0 tokens. In this case, whenever OpenAM generates an access or grant token, it also generates unique random value and logs it as an alias. In this way, it is possible to trace back an access token back to its originating grant token, trace the grant token back to the session in which it was created, and then trace how the session was authenticated. An example of a `trackingIds` property in an OAuth 2.0/ OpenID Connect 1.0 environment is: `[ "1979edf68543ead001", "8878e51a-f2aa-464f-b1cc-b12fd6daa415", "3df9a5c3-8d1e-4ee3-93d6-b9bbe58163bc" ]`
`server.ip`	Specifies the IP address of the OpenAM server. For example, `127.0.0.1`.
`server.port`	Specifies the port number used by the OpenAM server. For example, `8080`.
`client.ip`	Specifies the client IP address.
`client.port`	Specifies the client port number.
`request.protocol`	Specifies the protocol associated with the request operation. Possible values: `CREST` and `PLL`.
`request.operation`	Specifies the request operation. For CREST operations, possible values: `READ`, `ACTION`, `QUERY`. For PLL operations, possible values: `LoginIndex`, `SubmitRequirements`, `GetSession`, `REQUEST_ADD_POLICY_LISTENER`.
`request.detail`	Specifies the detailed information about the request operation. For example, `{"action":"idFromSession"}`, `{"action":"validateGoto"}`, `{"action":"validate"}`, `{"action":"logout"}`, `{"action":"schema"}`, `{"action":"template"}`.
`http.request.secure`	Specifies if the request was sent over secure HTTP. For example, `true` or `false`.
`http.request.method`	Specifies the HTTP method requested by the client. For example, `GET`, `POST`, `PUT`.
`http.request.path`	Specifies the path of the HTTP request. For example, `http://forgerock-am0.int.openrock.org:8080/openam/json/authenticate`.
`http.request.queryParameters`	Specifies the HTTP query parameter string. For example, `{ "_action": [ "idFromSession" ] }, { "_queryFilter": [ "true" ] }, { "_action": [ "validate" ] }, { "_action": [ "logout" ] }, { "realm": [ "/shop" ] }, { "_action": [ "validateGoto" ] }`.
`http.request.headers`	Specifies the HTTP header for the request. For example, (Note: Line feeds added for readability purposes): `{ "accept": ["application/json, text/javascript, */*; q=0.01"], "Accept-API-Version": ["protocol=1.0"], "accept-encoding": ["gzip, deflate"], "accept-language": ["en-US;q=1,en;q=0.9"], "cache-control": ["no-cache"], "connection": ["Keep-Alive"], "content-length": ["0"], "host": ["forgerock-am.openrock.org"], "pragma": ["no-cache"], "referer": ["https://forgerock-am.openrock.org/openam/XUI/"], "user-agent": ["Mozilla/5.0 (X11; Linux x86_64; rv:31.0) Gecko/20100101 Firefox/31.0"], "x-`

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

Schema Property	Description
	`nosession": [ "true" ], "x-requested-with": [ "XMLHttpRequest" ], "x-username": [ "anonymous" ] }`
`http.request.cookies`	Not used.
`http.response.headers`	Specifies the HTTP header for the response.
`response.status`	Specifies the response status of the request. Normally, `SUCCESS`, `FAILURE`, or null.
`response.statusCode`	Specifies the response status code, depending on the protocol. For CREST, HTTP failure codes are displayed but not HTTP success codes. For PLL endpoints, PLL error codes are displayed.
`response.detail`	Specifies the message associated with `response.statusCode`. For example, the `response.statusCode` of `401` has a `response.detail` of `{ "reason": "Unauthorized" }`.
`response.elapsedTime`	Specifies the time to execute the access event, usually in millisecond precision.
`response .elapsedTimeUnits`	Specifies the elapsed time units of the response. For example, `MILLISECONDS`.
`component`	Specifies the OpenAM service utilized. For example, `Server Info`, `Users`, `Config`, `Session`, `Authentication`, `Policy`, `OAuth`.
`realm`	Specifies the realm where the operation occurred. For example, the Top Level Realm (`"/"`) or the sub-realm name (`"/shop"`).

2.1.2. Activity Log Format

Activity Log Format

Property	Description
`_id`	Specifies a universally unique identifier (UUID) for the message object, such as `a568d4fe-d655-49a8-8290-bfc02095bec9-487`.
`timestamp`	Specifies the timestamp when OpenAM logged the message, in UTC format to millisecond precision: `yyyy-MM-ddTHH:mm:ss.msZ`. For example: `2015-11-14T00:16:04.652Z`
`eventName`	Specifies the name of the audit event. For example, `AM-SESSION_CREATED`, `AM-SESSION-LOGGED_OUT`.
`transactionId`	Specifies the UUID of the transaction, which identifies an external request when it comes into the system boundary. Any events generated while handling that request will be assigned that transaction ID, so that you may see the same transaction ID for same even for different audit event topics. For example, `9c9e8d5c-2941-4e61-9c3c-8a990088e801`.
`userId`	Specifies the universal identifier for authenticated users. For example, `id=scarter,ou=user,o=shop,ou=services,dc=example,dc=com`.
`trackingIds`	Specifies an array containing a random context ID that identifies the session and a random string generated from an OAuth 2.0/OpenID Connect 1.0 flow that could track an access token ID or an grant token ID. For example, `[ "45b17894529cf74301" ]`.

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

Property	Description
`runAs`	Specifies the user to run the activity as. May be used in delegated administration. For example, `id=dsameuser,ou=user,dc=example,dc=com`.
`objectId`	Specifies the identifier of an object that has been created, updated, or deleted. For OpenAM 13.0.0, only session changes are recorded, so that the session `trackingId` is used in this field. For example, `[ "45b17894529cf74301" ]`
`operation`	Specifies the state change operation invoked: `CREATE`, `MODIFY`, or `DELETE`.
`before`	Not used.
`after`	Not used.
`changedFields`	Not used.
`revision`	Not used.
`component`	Specifies the OpenAM service utilized. Normally, `SESSION`.
`realm`	Specifies the realm where the operation occurred. For example, the Top Level Realm (`"/"`) or the sub-realm name (`"/shop"`).

2.1.3. Authentication Log Format

Authentication Log Format

Property	Description
`_id`	Specifies a universally unique identifier (UUID) for the message object, such as `a568d4fe-d655-49a8-8290-bfc02095bec9-485`.
`timestamp`	Specifies the timestamp when OpenAM logged the message, in UTC format to millisecond precision: `yyyy-MM-ddTHH:mm:ss.msZ`. For example: `2015-11-14T00:16:04.640Z`
`eventName`	Specifies the name of the audit event. For example, `AM-LOGOUT`, `AM-LOGIN-MODULE-COMPLETED`, `AM-LOGIN-CHAIN-COMPLETED`.
`transactionId`	Specifies the UUID of the transaction, which identifies an external request when it comes into the system boundary. Any events generated while handling that request will be assigned that transaction ID, so that you may see the same transaction ID for same even for different audit event topics. For example, `9c9e8d5c-2941-4e61-9c3c-8a990088e801`.
`userId`	Specifies the universal identifier for authenticated users. For example, `id=scarter,ou=user,o=shop,ou=services,dc=example,dc=com`.
`trackingIds`	Specifies an array containing a random context ID that identifies the session and a random string generated from an OAuth 2.0/OpenID Connect 1.0 flow that could track an access token ID or an grant token ID. For example, `[ "45b17894529cf74301" ]`.
`result`	Specifies the outcome of a single authentication module within a chain, either `SUCCESSFUL` or `FAILED`.

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

Property	Description
`principal`	Specifies the array of accounts used to authenticate, such as `[ "amadmin" ]`, `[ "scarter" ]`.
`context`	Not used
`entries`	Specifies the JSON representation of the details of an authentication module or chain. OpenAM creates an event as each module completes and a final event at the end of the chain. For example, `[ { "moduleId": "DataStore", "info": { "moduleClass": "DataStore", "ipAddress": "127.0.0.1", "moduleName": "DataStore", "authLevel": "0" } } ]`
`component`	Specifies the OpenAM service utilized. Normally, `Authentication`.
`realm`	Specifies the realm where the operation occurred. For example, the Top Level Realm (`"/"`) or the sub-realm name (`"/shop"`).

2.1.4. Config Log Format

Config Log Format

Property	Description
`_id`	Specifies a universally unique identifier (UUID) for the message object. For example, `6a568d4fe-d655-49a8-8290-bfc02095bec9-843`.
`timestamp`	Specifies the timestamp when OpenAM logged the message, in UTC format to millisecond precision: `yyyy-MM-ddTHH:mm:ss.msZ`. For example, `2015-11-14T00:21:03.490Z`
`eventName`	Specifies the name of the audit event. For example, `AM-CONFIG-CHANGE`.
`transactionId`	Specifies the UUID of the transaction, which identifies an external request when it comes into the system boundary. Any events generated while handling that request will be assigned that transaction ID, so that you may see the same transaction ID for different audit event topics. For example, `301d1a6e-67f9-4e45-bfeb-5e4047a8b432`.
`userId`	Not used.
`trackingIds`	Not used.
`runAs`	Specifies the user to run the activity as. May be used in delegated administration. For example, `id=amadmin,ou=user,dc=example,dc=com`.
`objectId`	Specifies the identifier of a system object that has been created, modified, or deleted. For example, `ou=SamuelTwo,ou=default,ou=OrganizationConfig,ou=1.0, ou=iPlanetAMAuthSAML2Service,ou=services,o=shop,ou=services, dc=example,dc=com`.
`operation`	Specifies the state change operation invoked: `CREATE`, `MODIFY`, or `DELETE`.
`before`	Specifies the JSON representation of the object prior to the activity. For example, `{ "sunsmspriority":["0"], "objectclass":["top","sunServiceComponent","organizationalUnit"], "ou":["SamuelTwo"],"sunserviceID":["serverconfig"] }`

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

Property	Description
`after`	Specifies the JSON representation of the object after the activity. For example, `{ "sunKeyValue":["forgerock-am-auth-saml2-auth-level=0", "forgerock-am-auth-saml2-meta-alias=/sp", "forgerock-am-auth-saml2-entity-name=http://", "forgerock-am-auth-saml2-authn-context-decl-ref=" , "forgerock-am-auth-saml2-force-authn=none", "forgerock-am-auth-saml2-is-passive=none", "forgerock-am-auth-saml2-login-chain=", "forgerock-am-auth-saml2-auth-comparison=none", "forgerock-am-auth-saml2-req-binding= urn:oasis:names:tc:SAML:2.0:bindings:HTTP-Redirect", "forgerock-am-auth-saml2-binding= urn:oasis:names:tc:SAML:2.0:bindings:HTTP-Artifact", "forgerock-am-auth-saml2-authn-context-class-ref=", "forgerock-am-auth-saml2-slo-relay=http://", "forgerock-am-auth-saml2-allow-create=false", "forgerock-am-auth-saml2-name-id-format= urn:oasis:names:tc:SAML:2.0:nameid-format:persistent","`
`changedFields`	Specifies the fields that were changed. For example, `[ "sunKeyValue" ]`.
`revision`	Not used.
`component`	Not used.
`realm`	Specifies the realm where the operation occurred. For example, the Top Level Realm (`"/"`) or the sub-realm name (`"/shop"`).

2.2. Audit Log Event Names

The following section presents the predefined names for the audit events:

Audit Log Event Names

Topic	EventName
`access`	`AM-ACCESS_ATTEMPT`
`access`	`AM-ACCESS-OUTCOME`
`activity`	`AM-SESSION-CREATED`
`activity`	`AM-SESSION-IDLE_TIME_OUT`
`activity`	`AM-SESSION-MAX_TIMED_OUT`
`activity`	`AM-SESSION-LOGGED_OUT`
`activity`	`AM-SESSION-REACTIVATED`
`activity`	`AM-SESSION-DESTROYED`
`activity`	`AM-SESSION-PROPERTY_CHANGED`
`access`	`AM-LOGIN-MODULE-COMPLETED`
`access`	`AM-LOGIN-COMPLETED`
`access`	`AM-LOGOUT`
`config`	`AM-CONFIG-CHANGE`

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

2.3. Audit Log Components

The following section presents the predefined audit event components that make up the log messages:

Audit Log Event Components

Event Component	
`OAuth`	OAuth 2.0, OpenID Connect 1.0, and UMA
`CTS`	Core Token Service
`Policy Agent`	Web and Java EE policy agents
`Authentication`	Authentication service
`Dashboard`	Dashboard service
`Server Info`	Server information service
`Users`	Users component
`Groups`	Groups component
`Oath`	Mobile authentication
`Devices`	Trusted devices
`Policy`	Policies
`Realms`	Realms and sub-realms
`Session`	Session service
`Script`	Scripting service
`Batch`	Batch service
`Config`	Configuration
`STS`	Secure Token Service: REST and SOAP
`Record`	Recording service
`Audit`	Auditing service
`Radius`	RADIUS server

2.4. Audit Log Failure Reasons

The following section presents the predefined audit event failure reasons:

Audit Log Event Authentication Failure Reasons

Failure	Description
`LOGIN_FAILED`	Incorrect/invalid credentials presented.

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

Failure	Description
`INVALID_PASSWORD`	Invalid credentials entered.
`NO_CONFIG`	Authentication chain does not exist.
`NO_USER_PROFILE`	No user profile found for this user.
`USER_INACTIVE`	User is not active.
`LOCKED_OUT`	Maximum number of failure attempts exceeded. User is locked out.
`ACCOUNT_EXPIRED`	User account has expired.
`LOGIN_TIMEOUT`	Login timed out.
`MODULE_DENIED`	Authentication module is denied.
`MAX_SESSION_REACHED`	Limit for maximum number of allowed sessions has been reached.
`INVALID_REALM`	Realm does not exist.
`REALM_INACTIVE`	Realm is not active.
`USER_NOTE_FOUND`	Role-based authentication: user does not belong to this role.
`AUTH_TYPE_DENIED`	Authentication type is denied.
`SESSION_CREATE_ERROR`	Cannot create a session.
`INVALID_LEVEL`	Level-based authentication: Invalid authentication level.

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

Chapter 3
Ports Used

OpenAM software uses a number of ports by default.

Default ports are shown in the following table:

Default Ports Used by OpenAM

Port Number	Protocol	Description
1689	TCP/IP	Port for Java Management eXtension traffic, disabled by default
1812	UDP	Port for OpenAM's RADIUS server, disabled by default
4444	TCP/IP	Port for the embedded administration connector, enabled by default.
8080	TCP/IP	Web application container port number
8082	TCP/IP	HTTP port for monitoring OpenAM, disabled by default
8085	TCP/IP	SNMP port for monitoring OpenAM, disabled by default
9999	TCP/IP	RMI port for monitoring OpenAM, disabled by default.
50389, 50899, 58989	TCP/IP	Supports LDAP communication between embedded OpenAM data stores.
57943, 58943	Used by the "Hints For the SecurID Authentication Module" in the *Administration Guide*.	

Sometimes multiple services are configured on a single system with slightly different port numbers. For example, while the default port number for a servlet container such as Tomcat is 8080, a second instance of Tomcat might be configured with a port number of 18080. In all cases shown, communications proceed using the protocol shown in the table.

When you configure a firewall for OpenAM, make sure to include open ports for any installed and related components, including web services (80, 443), servlet containers (8009, 8080, 8443), and external applications.

Additional ports may be used, depending on other components of your deployment. If you are using external OpenDJ servers, refer to the *Ports Used* appendix of the *OpenDJ Reference*.

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

Chapter 4
Localization

This chapter lists languages and locales supported for OpenAM.

OpenAM console and end user pages are being updated from the classic user interface (legacy) to the XUI user interface.

The XUI interface pages are localized for the following languages:

- English

You can localize the XUI for other languages as you require. For more information, see "Localizing the XUI" in the *Installation Guide*.

The classic user interface (legacy) pages are localized for the following languages:

- English
- French
- German
- Japanese
- Korean
- Simplified Chinese
- Spanish
- Traditional Chinese

For more information about localizing the classic user interface (legacy), see "Customizing the Classic User Interface (Legacy)" in the *Installation Guide* and "How OpenAM Looks Up UI Files" in the *Installation Guide*.

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

Chapter 5
Supported Standards

OpenAM implements the following RFCs, Internet-Drafts, and standards:

OAuth 2.0

The OAuth 2.0 Authorization Framework

The OAuth 2.0 Authorization Framework: Bearer Token Usage

OAuth 2.0 Token Revocation

JSON Web Signature (JWS)

JSON Web Key (JWK)

JSON Web Algorithms (JWA)

JSON Web Token (JWT)

Security Assertion Markup Language (SAML) 2.0 Profile for OAuth 2.0 Client Authentication and Authorization Grants

JSON Web Token (JWT) Profile for OAuth 2.0 Client Authentication and Authorization Grants

OAuth 2.0 Token Introspection

OpenID Connect 1.0

OpenAM can be configured to play the role of OpenID provider. The OpenID Connect specifications depend on OAuth 2.0, JSON Web Token, Simple Web Discovery and related specifications. The following specifications make up OpenID Connect 1.0.

- OpenID Connect Core 1.0 defines core OpenID Connect 1.0 features.

  Note

  In section 5.6 of the specification, OpenAM supports *Normal Claims*. The optional *Aggregated Claims* and *Distributed Claims* representations are not supported by OpenAM.

- OpenID Connect Discovery 1.0 defines how clients can dynamically recover information about OpenID providers.

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

- OpenID Connect Dynamic Client Registration 1.0 defines how clients can dynamically register with OpenID providers.
- OpenID Connect Session Management 1.0 describes how to manage OpenID Connect sessions, including logout.
- OAuth 2.0 Multiple Response Type Encoding Practices defines additional OAuth 2.0 response types used in OpenID Connect.
- OAuth 2.0 Form Post Response Mode defines how OpenID providers return OAuth 2.0 Authorization Response parameters in auto-submitting forms.

OpenID Connect 1.0 also provides implementer's guides for client developers.

- OpenID Connect Basic Client Implementer's Guide 1.0
- OpenID Connect Implicit Client Implementer's Guide 1.0

User-Managed Access (UMA) 1.0

User-Managed Access (UMA) Profile of OAuth 2.0 (Draft), in which OpenAM can play the role of authorization server.

OAuth 2.0 Resource Set Registration, in which OpenAM plays the role of authorization server.

Representational State Transfer (REST)

Style of software architecture for web-based, distributed systems.

Security Assertion Markup Language (SAML)

Standard, XML-based framework for creating and exchanging security information between online partners. OpenAM supports multiple versions of SAML including 2.0, 1.1, and 1.0.

Specifications are available from the OASIS standards page.

Liberty Alliance Project Identity Federation Framework (Liberty ID-FF)

Federation standard, whose concepts and capabilities contributed to SAML v2.0.

Simple Object Access Protocol

Lightweight protocol intended for exchanging structured information in a decentralized, distributed environment.

Web Services Description Language (WSDL)

XML format for describing network services as a set of endpoints operating on messages containing either document-oriented or procedure-oriented information.

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

Web Services Federation Language (WS-Federation)

Identity federation standard, part of the Web Services Security framework.

eXtensible Access Control Markup Language (XACML)

Declarative access control policy language implemented in XML, and also a processing model, describing how to interpret policies.

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

Chapter 6
Service Endpoints

A service endpoint is a URL which serves as the access port for a web service. It may be a standard HTML-based web page, or it may be a `*.jsp` page.

As every service endpoint is a potential security issue, it may be appropriate to restrict access to some of those endpoints that you do not use. But be careful. Some endpoints, such as `isAlive.jsp` in the main `/path/to/tomcat/webapps/openam` directory, are essential and should not be blocked or changed.

Given the large number of available endpoints, this chapter has been organized primarily by subdirectory. Most of the directories were created when the OpenAM war archive was copied to the appropriate web application container, such as the `webapps` subdirectory.

OpenAM may expose several hundred service endpoints, listed in this chapter. Each endpoint shown is listed relative to the deployment URL. For example, if you have deployed OpenAM at `https://openam.example.com:8443/openam/`, the full URL to the `isAlive.jsp` endpoint is `https://openam.example.com:8443/openam/isAlive.jsp`.

OpenAM includes two types of endpoints. One is based on URL patterns, shown with the `url-pattern` tag. You can find these patterns in the `web.xml` file, in the `/path/to/tomcat/webapps/openam/WEB-INF` directory. The other type is based on `*.jsp` pages, starting in the main `/path/to/tomcat/webapps/openam` directory, and also in many associated subdirectories. If you copied or created a WAR archive to a name other than `openam.war`, as described in the installation guide, substitute for the second `openam` accordingly.

Some of these endpoints can be applied directly to a URL when you have connected to the OpenAM server; for example, if you have configured OpenAM on `http://idp.example.com:8080/openam`, you can log in and review debug options by navigating to `http://idp.example.com:8080/openam/Debug.jsp`.

Other endpoints can only be used when called by some option in the OpenAM console. For example, while the `AgentAdd.jsp` endpoint exists in the `console/agentconfig` subdirectory, you would get an error by navigating directly to a URL such as `http://sp.example.com:8080/openam/console/agentconfig/AgentAdd.jsp`. For that particular endpoint, you will have click through the options required to add an agent. (Realms > *Realm Name* > Agents > Agent > New)

In general, this chapter does not include dynamic endpoints, such as those that may include security tokens. The endpoints described in this chapter are based on files included in the installation of an OpenAM server.

Several options are available for endpoints at risk. Recommendations from the noted security advisories include the following:

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

- Filter requests to prevent or restrict access to vulnerable endpoints with a reverse proxy or equivalent hardware device. Such options can be configured to limit access by IP address or fully-qualified domain name.
- Use a patch. If available, download links should be listed in the security advisory. The patch may be limited to one or more endpoint files.
- Remove access from the configuration. If a problematic endpoint is configured in the web.xml file of the aforementioned WEB-INF subdirectory, you can remove the section that points to that endpoint.
- Remove the endpoint file from the configuration. Some endpoint files, such as `proxy.jsp` or `ssoadm.jsp`, are not essential to the basic operation of OpenAM.

Of course, you can take additional steps to help secure your OpenAM deployment. For more information, see "*Securing OpenAM*" in the *Administration Guide*.

6.1. JSP Endpoints

The OpenAM WAR archive includes `*.jsp` files in a number of different categories. Many are associated with the applicable subdirectory, such as `console/realm`. The following sections will examine each `*.jsp` file, divided by subdirectories.

In some highlighted cases, the noted `*.jsp` file appears in the code for one or more `.java` files. If you remove the noted `*.jsp` file from the container, there is a risk that will break some functionality within OpenAM. In other cases, such as any files related to the GUI installation wizard, the applicable `*.jsp` file can be safely removed from a production system.

6.2. Main Directory JSP Endpoints

If you are working in Tomcat, you will find the endpoints in this subsection in the `/path/to/tomcat/webapps/openam` directory. For other web application containers, you may find the endpoints in a different `openam` subdirectory.

`Debug.jsp`

Supports debug logging by service. For more information, see "Debug Logging By Service" in the *Administration Guide*

`encode.jsp`

Enables access to a page that encodes text passwords. The algorithm is based on PBEWithMD5AndDES, password-based encryption (PBE) using the MD5 message-digest algorithm, configured with the data encryption standard (DES)

`getServerInfo.jsp`

Supports requests for server information. As `getServerInfo.jsp` is encoded in some `.java` files, you should retain `getServerInfo.jsp` in your deployment.

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

`isAlive.jsp`

Verifies the current status of the OpenAM service; the "Server is ALIVE:" message also verifies activity on OpenAM systems behind load balancers. This can be a useful tool in a production environment.

`proxyidpfinder.jsp`

Supports access to a remote identity provider, through the federation broker.

`services.jsp`

Lists active services within OpenAM. The details shown on this page can be used with the **ssoadm** command to create a second OpenAM server with matching services. Be aware, the `amadmin` administrative user is hard-coded into this file. If you change the identity of the administrative user to something other than `amadmin`, that user will not have access to `services.jsp`.

`showServerConfig.jsp`

Specifies configuration information for the system, including the URL, the OS, the Java VM, the configuration directory, and more.

`ssoadm.jsp`

Supports GUI-based access to the options associated with the **ssoadm** command. The `ssoadm.jsp` file is disabled by default. Instructions for enabling this feature are available in "OpenAM ssoadm.jsp" in the *Administration Guide*

`validateWait.jsp`

May be called by the `validator.jsp` or `validatorMain.jsp` files, to display progress in verifying the status of federation.

`validator.jsp`

Refers to the ValidateSAML2 function to identify the realm, IdP and SP for the federation.

`validatorAuthFail.jsp`

Starts an "Authentication Failed" message.

`validatorFooter.jsp`

Incorporates a "Back to Login" button in `validatorMain.jsp`.

`validatorRpt.jsp`

Opens a "Connectivity Test Results" window, specifying the status of a federation circle of trust. Tests relate to IdP authentication, SP authentication, account linking, single log out, single sign on, and account unlinking.

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

`validatorStatus.jsp`

Adds information to `validator.jsp` and `validatorMain.jsp` with federation status information as it relates to the currently configured circle of trust.

All of the `validat*.jsp` files near the end of this list relate to testing and verifying federation. It requires at least one identity provider (IDP) and one service provider (SP). At least one of these components must be configured remotely to set up a valid Circle of Trust (COT). If federation does not apply to your configuration, the `validat*.jsp` files are not essential to your configuration.

6.3. User Interface JSP Endpoints

The endpoints in this section can be found in several `com_sun_web_ui/jsp/` subdirectories. These endpoints appear to relate to JavaHelp; per OPENAM-806, this functionality was removed from OpenAM, starting with version 9.5.3. Thus, the endpoints in this section, with one possible exception (`Masthead.jsp` in the `com_sun_web_ui/jsp/version` subdirectory) may no longer serve any purpose.

`DateTimeWindow.jsp`

The only endpoint in the `com_sun_web_ui/jsp/datetime` subdirectory. May be a legacy endpoint; it calls a `DateTimeWindowViewBean` class; the corresponding `.java` file does not exist in the current trunk.

`Help.jsp`

One of two endpoints in the `com_sun_web_ui/jsp/help` subdirectory. May be a legacy endpoint; it calls a `HelpViewBean` class; the corresponding `.java` file does not exist in the current trunk.

`Masthead.jsp`

One of two endpoints in the `com_sun_web_ui/jsp/help`, `com_sun_web_ui/jsp/help2`, and `com_sun_web_ui/jsp/version` subdirectories, in slightly different formats. May be a legacy endpoint; it calls a `MastheadViewBean` class; the `Masthead.jsp` file and the corresponding `MastheadViewBean.java` were last changed in 2004. (However, the `Masthead.jsp` file in the `com_sun_web_ui/jsp/version` subdirectory includes a `VersionViewBean.java` file that is used by the `Version.jsp` endpoint used in the `console/base` subdirectory.

`ButtonNav.jsp`

Specifies an endpoint in the `com_sun_web_ui/jsp/help2` directory. Points to a `ButtonNavViewBean` class; the associated `.java` file no longer exists in the trunk.

`Help2Ie.jsp`

Specifies an endpoint in the `com_sun_web_ui/jsp/help2` directory. Points to a `Help2ViewBean` class; the associated `.java` file no longer exists in the trunk.

`Help2Nav4.jsp`

Specifies an endpoint in the `com_sun_web_ui/jsp/help2` directory. Points to a `Help2ViewBean` class; the associated `.java` file no longer exists in the trunk.

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

`Help2Nav6up.jsp`

Specifies an endpoint in the `com_sun_web_ui/jsp/help2` directory. Points to a `Help2ViewBean` class; the associated `.java` file no longer exists in the trunk.

`Navigator.jsp`

Specifies an endpoint in the `com_sun_web_ui/jsp/help2` directory. Points to a `NavigatorViewBean` class; the associated `.java` file no longer exists in the trunk.

`AdvancedSort.jsp`

Specifies an endpoint in the `com_sun_web_ui/jsp/table` directory.

`Table.jsp`

Specifies an endpoint in the `com_sun_web_ui/jsp/table` directory. Points to a `TableViewBean` class; the associated `.java` file no longer exists in the trunk.

`WizardWindow.jsp`

Points to an endpoint in the `com_sun_web_ui/jsp/wizard` subdirectory. Points to a WizardWindowViewBean class, which appears to be unused by any other `.jsp` file.

6.4. Default Authentication JSP Endpoints

Many of the `.jsp` files in this category can be modified to help you modify the messages that appear to users in the OpenAM console. Standard messages for most of these endpoints can be found in the `amAuth.properties` and `amAuthUI.properties` files. You will find the endpoints in this subsection in the `config/auth/default` subdirectory.

`account_expired.jsp`

Specifies an error page for account expiration. The message displayed to the user can be modified in the `amAuthUI.properties` file.

`authException.jsp`

Option to Exception.jsp; called if there is an existing resource bundle, as specified in `AuthExceptionViewBean.java`.

`auth_error_template.jsp`

Specifies an error page for authentication errors. The message displayed to the user can be modified in the `amAuthUI.properties` file.

`disclaimer.jsp`

Associated with the self-registration module, which can be configured in the OpenAM Console, under Realms > *Realm Name* > Authentication > Modules. The default disclaimer is associated with the `disclaimer.notice` parameter, defined in the `amAuthUI.properties` file.

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

`disclaimerDeclined.jsp`

Associated with the self-registration module, which can be configured in the OpenAM Console, under Realm > *Realm Name* > Authentication > Modules. The default disclaimer_denied message is associated with the `disclaimer.declined` parameter, defined in the `amAuthUI.properties` file.

`Exception.jsp`

Includes the following error message: "Authentication Service is not initialized." Cited by several other `.java` files in the code, so it should not be removed in a secure deployment..

`invalidAuthlevel.jsp`

Used to specify an issue with the authentication level. The default invalidauthlevel and contactadmin messages can be redefined in the `amAuthUI.properties` file.

`invalid_domain.jsp`

Displays a "No such Organization found" message when a domain is not defined in the OpenAM database. Refers to the `nosuch.domain` parameter in the `amAuthUI.properties` file.

`login_denied.jsp`

Defines the response of OpenAM to a user who enters an undefined profile. Uses the `userhasnosuchprofile.org` and `contactadmin` parameters in the `amAuthUI.properties` file.

`login_failed_template.jsp`

Provides a message in the event of a login failure. The message uses the `auth.failed` parameter in the `amAuthUI.properties` file.

`Login.jsp`

Specifies a regular authentication template. As noted in "Securing OpenAM Administration" in the *Administration Guide*, the `Login.jsp` file may be customized for different deployments.

`Logout.jsp`

The `Logout.jsp` file may also be customized for different deployments.

`maxSessions.jsp`

Specifies the message given to users when the number of sessions has hit the preconfigured limit. The default is 5000, defined in the OpenAM console under Configure > Server Defaults > Session. The message uses the `session.max.limit` parameter defined in the `amAuthUI.properties` file.

`membership.jsp`

Specifies information for the page associated with the self-registration module.

`Message.jsp`

Calls text messages related to the authentication process.

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

`module_denied.jsp`

Includes a message to a target user that he does not have access to a specified module. The message uses the `authmodule.denied` parameter defined in the `amAuthUI.properties` file.

`module_template.jsp`

Adds a page which can be used to help customize appropriate modules.

`new_org.jsp`

Includes a warning when a user is trying to access a different realm. The message uses the `newOrg.agree` parameter, as defined in the `amAuthUI.properties` file.

`noConfig.jsp`

Specifies the lack of a defined configuration module. The message uses the `noconfig.found` parameter, defined in the `amAuthUI.properties` file.

`OAuthActivate.jsp`

Shows a default template for entering an activation code. Used by `OAuth.xml` for password changes. As this file is not configured for OAuth2, the file is deprecated and may be removed from a future release.

`OAuthPwd.jsp`

Displays a password change screen, with an option for terms and conditions of service. As this file is not configured for OAuth2, it is deprecated and may be removed from a future release.

`org_inactive.jsp`

Transmits the message that the target organization is not active in the OpenAM database.

`profileError.jsp`

Specifies the message that is sent when there's a failure in the use of the self-registration module. Associated with the `profile.error` parameter, defined in the `amAuthUI.properties` file.

`Redirect.jsp`

Notes a file used by other code to redirect users for events such as login failures.

`register.jsp`

Identifies the page with the self-registration template.

`session_timeout.jsp`

Adds a message to a user when a session has gone past its allocated login time. Uses the `session.timeout` parameter, defined in the `amAuthUI.properties` file.

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

`userDenied.jsp`

Associated with role-based authentication. Tells a user when the required role has not been configured for that user. The message is defined by the `user.not.inrole` parameter, which is defined in the `amAuthUI.properties` file.

`user_inactive.jsp`

Identifies a message sent to a user that is not currently active in the database. The message is defined by the `usernot.active` parameter, as shown in the `amAuthUI.properties` file.

6.5. Default Federation JSP Endpoints

Many of the files in this `config/federation/default` subdirectory use the `com.sun.liberty.LibertyManager` interface. In general, you will want to keep these files in a production deployment, to support adding to and deleting users from different Circles Of Trust (COT). Many of these files are customizable for different organizational interfaces. Interfaces in different languages may be configured in slightly different subdirectories, such as `config/federation/default_fr`.

`cdclogin.jsp`

Supports a non-blank page for cross-domain single sign-ons; associated with a Cross-Domain Controller (CDC) servlet.

`CommonLogin.jsp`

Supports links to login pages of trusted identity providers.

`Error.jsp`

Sets up an error message, using the `com.sun.liberty.LibertyManager` interface.

`Federate.jsp`

Supports a connection to providers that can be configured in a federation.

`FederationDone.jsp`

Specifies the status of a federation request; the default response is either "The user has cancelled account federation." or "Federation has been successfully completed with the remote provider."

`Footer.jsp`

Sets up code that you can use to include a custom footer on all pages.

`Header.jsp`

Sets up code that you can use to include a custom header on all pages; the default version is configured with the OpenAM logo.

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

`ListOfCOTs.jsp`

When a service provider (SP) belongs to more than one COT, this page prompts the user to select a preferred identity provider (IDP).

`LogoutDone.jsp`

Specifies success or failure during a logout operation. Where a user has an account on multiple providers, he may see the following message: "Unable to log the user out from one or more providers where the user may still have active sessions."

`NameRegistration.jsp`

Supports registration with a new remote provider. This endpoint is associated with `NameRegistrationDone.jsp`.

`NameRegistrationDone.jsp`

Displays different messages based on a registration attempt with a remote provider. The message varies depending on whether the request was successful, a failure, or cancelled.

`Termination.jsp`

Supports defederation from an existing remote provider; goes with `TerminationDone.jsp`.

`TerminationDone.jsp`

Displays different messages based on a defederation attempt with a remote provider. The message varies depending on whether the request was successful, a failure, or cancelled.

6.6. Console Agent Configuration JSP Endpoints

The JSP files in the `console/agentconfig` subdirectory relate to the configuration of Web Agents. To see what is done by each JSP file, log into the console as the administrator. Select Realms > *Realm Name* > Agents. Several of the options that appear corresponds to the JSP files in the target subdirectory.

Some of the endpoints include messages from relevant sections of the `amConsole.properties` file. The agents in this directory are part of the `com.sun.identity.console.agentconfig` package.

Several endpoints relate to Web Service Client (WSC) policy agents, which secure outgoing requests and validate incoming requests from Web Service Providers (WSP). For more information, see the chapter on "*Configuring Policy Agent Profiles*" in the *Administration Guide*. If you are not using agent functionality such as that related to the Security Token Service (STS), the related endpoints listed in this section may not be essential in a production deployment.

`AgentAdd.jsp`

Includes a newly created web agent for a specified realm. The AgentAdd page appears in the OpenAM console after an agent is added to a realm.

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

`AgentConfigInherit.jsp`

Allows an administrator to review default settings for the agent, as configured in the Inheritance Settings page. Inheritance assumes that agent is part of a previously configured group. To access Inheritance Settings, refer to the "Creating Agent Profiles" in the *Administration Guide*.

`AgentDump.jsp`

Displays information about the current configuration of an agent or an agent group, and how it might be exported.

`AgentGroupAdd.jsp`

Includes a newly created agent group for common web agents within a specified realm. The AgentGroupAdd page appears in the OpenAM console after an agent group is added to a realm.

`AgentGroupMembers.jsp`

Supports the display of agents that are members of a specified agent group.

`Agents.jsp`

Enables access to a form to specify a new agent to add. The same form is used for every category of new agents configured from the OpenAM console, when you navigate to Realms > *Realm Name* > Agents.

`GenericAgentProfile.jsp`

A template that the OpenAM console uses when it builds pages for editing agent properties.

`Home.jsp`

Per comments in the HomeViewBean, this file should forward requests for other agents.

6.7. Console Ajax JSP Endpoints

You can find console AJAX endpoints in the console/ajax subdirectory. The AJAX endpoints provide AJAX functionality triggered from other JSP endpoints.

`AjaxProxy.jsp`

Specifies an element used by endpoints triggered from the OpenAM console's Common Tasks tab, including the `ConfigureGoogleApps.jsp` and `ConfigureSalesForceApps.jsp` endpoints.

`FileUpload.jsp`

Provides functionality used for file uploading. This JSP is used for uploading:

- Federation metadata files

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

- Scripts, such as those used with scripted authentication modules

You can adjust the maximum file upload size for the uploader by setting the `org.forgerock.openam.console.max.file.upload.size` property. The property's default value is 750K.

6.8. Console Authentication JSP Endpoints

You can find console authentication endpoints in the console/authentication subdirectory. The associated endpoints relate to authentication settings in a realm. To access these endpoints, navigate to Realms > *Realm Name* > Authentication.

`AuthConfig.jsp`

Part of the creation of a New Authentication Chain; associated with the Authentication Chaining section of the Authentication tab for a realm.

`AuthProperties.jsp`

Specifies properties that might be configured under the authentication tab for a specific or top-level realm.

`CoreAttributes.jsp`

Associated with the Core section of the Authentication tab of a specific or the top-level realm. Includes options for Realm Attributes, Account Lockout, and Post Authentication Processing.

`EditAuthType.jsp`

Supports changes to Module Instances, under the Authentication tab of a specific or the top-level realm.

`NewAuthConfig.jsp`

Associated with the creation of a New Authentication Chain, an option available from the Authentication Chaining section of the Authentication tab.

`NewAuthInstance.jsp`

Supports the implementation of a new authentication module, available from the Module Instances section of the Authentication tab.

`ReorderAuthChains.jsp`

Supports a change in sequence of authentication criteria; to access, select an existing Authentication Chaining service under the Authentication tab for a specified realm.

`ScriptUploader.jsp`

Supports uploading a script when configuring a scripted authentication module.

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

6.9. Base Console JSP Endpoints

The endpoints in this subdirectory (console/base) relate to options associated with the "home page" for the OpenAM GUI console; in essence, these are the options available when you log in as the administrative user (typically `amadmin`).

`AMAdminFrame.jsp`

Defaults to the opening page for the OpenAM console.

`AMInvalidURL.jsp`

Provides an "Invalid URL" error message.

`AMLogin.jsp`

Redirects users to the default login page; assumes no user is currently logged into OpenAM.

`AMPost.jsp`

Endpoint that either returns success of a post or an "Invalid or Missing Input" error.

`AMUncaughtException.jsp`

Default uncaught exception error message endpoint: "An error occurred while processing this request. Contact your administrator."

`Authenticated.jsp`

Displays a "You're logged in" information message.

`CloseWindow.jsp`

Endpoint that closes existing windows.

`Message.jsp`

Specifies a template endpoint used for messages.

`Version.jsp`

Specifies current version information, copyright notice, and licensing.

6.10. Delegation Console JSP Endpoints

The two service endpoints under the console/delegation subdirectory relate to the privileges associated with configured realms.

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

`Delegation.jsp`

Associated with the privileges for a realm. The privileges can be assigned for different groups of users, as configured via Realms > *Realm Name* > Subjects > Group.

`DelegationProperties.jsp`

Supports changes in properties for group privileges, described in the `Delegation.jsp` endpoint. To get to these properties, select Realms > *Realm Name* > Privileges > *Group Name*.

6.11. Federation Console JSP Endpoints

The JSP files in this section relate to federation, specified in the console/federation subdirectory. Specifically, when you access the OpenAM GUI console and click the Federation tab, the variety of options that you select call the JSP files in this directory. References in each JSP file in that subdirectory are associated with the Federation tab.

Generally, the JSP files in this directory are essential if you want to add or modify federation partners in your Circles of Trust (COT), SAML v2.0 / ID-FF / WS-Federation entity providers, and SAML v1.x configured partners.

If you are not using the legacy elements of federation, such as Liberty ID-FF, WS-Federation, and SAML v1.x, you may be able to delete related service endpoints in a more secure deployment.

Many of the endpoints in this section are accessible from the OpenAM console, under the Federation tab. Some of the endpoints are accessible only after you have created an appropriate entity provider, such as SAML v2.0, ID-FF, or WS-Federation.

`CreateCOT.jsp`

When you create a Circle of Trust (COT) via Federation > New, you can access the COT Configuration window. You can then access all configured COTs.

`CreateSAML2MetaData.jsp`

Used when creating a new entity provider, configured with the SAML2 protocol.

`FSAuthDomainsEditViewBean.jsp`

Associated with an edit of a COT; to access, select a previously configured COT.

`FSSAMLSelectTrustedPartnerType.jsp`

Opened when you configure a new Trusted Partner under the SAML v1.x Configuration section.

`FSSAMLService.jsp`

Associated with FSSAMLServiceViewBean, which is used by a number of other JSP files in the console/federation subdirectory.

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

`FSSAMLSetTrustedPartnerType.jsp`

Associated with the `FSSAMLSetTrustedPartnersEdit.jsp` file; used when you select a configured SAML v1.x Configuration trusted partner.

`FSSAMLSiteIDAdd.jsp`

Supports the addition of a Site ID for a SAML-configured partner.

`FSSAMLSiteIDEdit.jsp`

Supports the modification of a Site ID for a SAML-configured partner.

`FSSAMLTargetURLsAdd.jsp`

Includes a new POST to a specified URL.

`FSSAMLTargetURLsEdit.jsp`

Supports editing of a POST to a specified URL.

`FSSAMLTrustedPartnersAdd.jsp`

Called when you create a new "trusted partner" in the SAML v1.x Configuration area of the Federation window.

`FSSAMLTrustedPartnersEdit.jsp`

Called when you edit an existing "trusted partner" in the SAML v1.x Configuration area of the Federation window.

`Federation.jsp`

Cited when you click New in the "Circle of Trust" section of the Federation window.

`FileUploader.jsp`

Called by the `ImportEntity.jsp` file, to support uploads of metadata files associated with a previously configured entity provider.

`IDFFAffiliate.jsp`

Specifies an IDFF affiliate in a COT.

`IDFFGeneral.jsp`

Includes general parameters associated with an IDFF affiliate in a COT. The corresponding `IDFFGeneralViewBean` parameter is cited only in this and the `IDFFGeneralViewBean.java` files.

`IDFFIDP.jsp`

Associated with the Identity Provider (IDP) for IDFF.

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

`ISFFSP.jsp`

Associated with the Service Provider (SP) for IDFF.

`ImportEntity.jsp`

Supports the import of pre-existing metadata files which define an entity provider. Allows you to import metadata from a URL to a desired Realm.

`SAMLv2Affiliate.jsp`

Enables a view of SAML version 2 affiliates.

`SAMLv2AttrAuthority.jsp`

Associated with an IDP acting as an attribute authority.

`SAMLv2AttrQuery.jsp`

Supports queries and saves of SAML2 attribute metadata.

`SAMLv2AuthnAuthority.jsp`

Enables communication with an IDP acting as an authentication authority.

`SAMLv2General.jsp`

Identifies general properties of a SAML version 2 affiliate.

`SAMLv2IDPAdvanced.jsp`

Supports the configuration of advanced properties for a SAML v2.0 IDP.

`SAMLv2AssertionContent.jsp`

Associated with the Assertion Content tab, accessible when you select Federation > Entity Providers > *Provider Name*.

`SAMLv2AssertionProcessing.jsp`

Associated with the Assertion Processing tab, accessible when you select Federation > Entity Providers > *Provider Name*.

`SAMLv2IDPServices.jsp`

Supports the configuration of IDP service properties for a SAML2 provider.

`SAMLv2PDP.jsp`

Enables the configuration of a SAML v2.0-based Policy Decision Point (PDP).

`SAMLv2PEP.jsp`

Enables the configuration of a SAML v2.0-based Policy Enforcement Point (PEP).

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

`SAMLv2SPAdvanced.jsp`

Supports the configuration of advanced properties for a SP. Accessible when you select Federation > Entity Providers > *Provider Name* > SP > Advanced.

`SAMLv2SPAssertionContent.jsp`

Associated with the Assertion Content tab; supports the configuration of such for SPs; It is accessible when you select Federation > Entity Providers > *Provider Name* > SP > Assertion Content.

`SAMLv2SPAssertionProcessing.jsp`

Associated with the Assertion Content tab; supports the configuration of assertion processing-related properties for SPs. It is accessible when you select Federation > Entity Providers > *Provider Name* > SP > Assertion Processing.

`SAMLv2SPServices.jsp`

Supports the configuration of services-related properties for an SP. It is accessible when you select Federation > Entity Providers > *Provider Name* > SP > Services.

`WSFedGeneral.jsp`

Associated with the configuration of a legacy WS-Federation entity provider.

`WSFedIDP.jsp`

Supports the configuration of an IDP under WS-Federation.

`WSFedSP.jsp`

Supports the configuration of an SP under WS-Federation.

6.12. IDM Console JSP Endpoints

This group of service endpoints are associated with an identity management (IDM) interface from OpenAM. You can find these endpoints in the `console/idm` subdirectory. You may not need all of the functionality provided by the endpoints in this section.

Some of the endpoints in this section include references to `UM*.jsp` endpoints, User Console JSP Endpoints located in the `console/user` subdirectory, and described later in this chapter.

`EndUser.jsp`

Accesses the information page for the currently logged in user.

`Entities.jsp`

Opens the list of currently configured users, available via Realms > *Realm Name* > Subjects.

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

`EntityAdd.jsp`

Used when adding a new user or group.

`EntityDiscoveryDescriptionAdd.jsp`

Associated with the Discovery Service. To access that service, select a non-administrative user and select the Services tab. The `EntityDiscoveryDescriptionAdd.jsp` file is used when selecting a new Security Mechanism ID as a Service Description as a new Discovery Resource Offering.

`EntityDiscoveryDescriptionEdit.jsp`

Associated with an edit of an existing Security Mechanism ID.

`EntityEdit.jsp`

Called when saving changes to an existing user.

`EntityMembers.jsp`

Lists the members of a configured group.

`EntityMembersFilteredIdentity.jsp`

Lists the members of a configured group based on some filter.

`EntityMembership.jsp`

Accessed when a regular user is made a member of a previously configured group.

`EntityResourceOffering.jsp`

Supports custom resource offering entries for a previously configured user. Also used when accessing the `UMUserResourceOffering.jsp` file.

`EntityResourceOfferingAdd.jsp`

Supports entries of new resource offerings for a previously configured user. Also used when accessing the `UMUserResourceOfferingAdd.jsp` file.

`EntityResourceOfferingEdit.jsp`

Supports edits of existing resource offerings for a previously configured user. Also used when accessing the `UMUserResourceOfferingEdit.jsp` file.

`EntityServices.jsp`

Supports a new service for a specific user. As of this writing, available services are: Dashboard, Discovery Service, Liberty Personal Profile Service, and Session.

`Home.jsp`

Opens a list of currently configured users.

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

`ServicesAdd.jsp`

Accessible after adding a new service for a currently configured user; associated with the `EntityServices.jsp` file.

`ServicesEdit.jsp`

Accessible for editing services associated with a currently configured user.

`ServicesNoAttribute.jsp`

Used if a configured organization has no available attributes.

`ServicesSelect.jsp`

Opened when adding a service for a specific user.

6.13. Console Realm JSP Endpoints

If you want to know how to configure services and data stores within a realm, you will want to understand the workings of these service endpoints. If you want to customize realms in production, you will want to keep these endpoints available on an OpenAM console. You can find these endpoints in the `console/realm` subdirectory.

`HomePage.jsp`

Associated with the main Access Control page in the legacy OpenAM console, which lists configured realms. If you call `realm/HomePage.jsp` directly, it cites messages associated with changes for a specific user, and functions more closely associated with JSP endpoints in the `console/idm` subdirectory.

`IDRepo.jsp`

Enables links with directory server data stores within a realm. To access, select Realms > *Realm Name* > Data Stores > New. You should see a variety of supported directory server data stores, such as Active Directory, OpenDJ, and Tivoli Directory Server.

`IDRepoAdd.jsp`

Appears when you add a data store; associated with the `IDRepo.jsp` service endpoint.

`IDRepoEdit.jsp`

Appears when you edit an existing data store; associated with the `IDRepo.jsp` service endpoint.

`IDRepoSelectType.jsp`

Includes a list of supported data stores, from Active Directory to OpenDJ; associated with the `IDRepo.jsp` service endpoint.

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

`RMRealm.jsp`

Supports the configuration of a new realm, or editing of an existing realm.

`RMRealmAdd.jsp`

Supports the addition of a new realm; associated with the `RMRealm.jsp`service endpoint.

`RealmDiscoveryDescriptionAdd.jsp`

Supports a new description for a realm; associated with the `RealmResourceOffering.jsp` service endpoint.

`RealmDiscoveryDescriptionEdit.jsp`

Supports an edited description; associated with the `RealmResourceOffering.jsp` service endpoint.

`RealmProperties.jsp`

Works with the pages that allow you to edit an existing realm.

`RealmResourceOffering.jsp`

Supports the configuration of a security mechanism to a new realm resource offering. Requires the configuration of the discovery service, and the configuration of a directory resource offering for the specified realm.

`RealmResourceOfferingAdd.jsp`

Supports the addition of a security mechanism to a new realm resource offering. Requires the configuration of the discovery service, and the configuration of a directory resource offering for the specified realm.

`RealmResourceOfferingEdit.jsp`

Supports the editing of a security mechanism for an existing realm resource offering. Requires the configuration of the discovery service, and the configuration of a directory resource offering for the specified realm.

`Services.jsp`

Supports the configuration of a service within a specified realm.

`ServicesAdd.jsp`

Supports the addition of a service to a specified realm; available services to add include Administration, Dashboard, Discovery, Globalization Settings, OAuth2 Provider, Password Reset, Session, and User.

`ServicesCannotAssignService.jsp`

If a desired service is not compatible with directory data available from an organization, it is rejected.

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

`ServicesEdit.jsp`

Supports the editing of an existing service; associated with the `Services.jsp` endpoint.

`ServicesNoAttribute.jsp`

Supports the editing of an existing service; called if the attribute cannot be found or changed.

`ServicesSelect.jsp`

Implements step 1 of the addition of a new service; associated with the Services.jsp endpoint.

6.14. Service Console JSP Endpoints

You can find the JSP files in this category in the console/service subdirectory. Most of the endpoints are accessible in the console, from various options associated with the Configuration menu. If you do not use some of the functionality described such as Liberty ID-FF or SOAP binding, you may be able to delete the associated endpoints.

`G11NCharsetAliasAdd.jsp`

Supports the configuration of a new character set alias. Accessible from the Configure > Global Services > Console > Globalization Settings > Charset Aliases submenu.

`G11NCharsetAliasEdit.jsp`

Supports the editing of an existing character set alias. Accessible from the Configure > Global Services > Console > Globalization Settings > Charset Aliases submenu.

`G11NSupportedCharsetAdd.jsp`

Supports the configuration of a new character set supported by a locale. Accessible from the Configure > Global Services > Console > Globalization Settings > Charsets Supported by Each Locale submenu.

`G11NSupportedCharsetEdit.jsp`

Supports the editing of an existing character set supported by a locale. Accessible from the Configure > Global Services > Console > Globalization Settings > Charsets Supported by Each Locale submenu.

`MAPClientManager.jsp`

Supports a list of client types. Associated with the Default Client Type option available via Configure > Global Services > System > Client Detection.

`MAPCreateDevice.jsp`

Supports creation of client devices.

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

`MAPCreateDeviceTwo.jsp`

Supports creation of client devices.

`MAPDeviceProfile.jsp`

Supports step 1 of creating a new client device.

`MAPDuplicationDevice.jsp`

Used with duplicate client devices.

`SCConfig.jsp`

Associated with basic Service Configuration data, and the other endpoints accessible from the Configuration menu.

`SCConfigAuth.jsp`

Supports the configuration of available authentication databases. You can get to this window by navigating to Configure > Authentication.

`SCConfigConsole.jsp`

Supports the configuration of administrative an globalization console properties. You can get to this window by navigating to Configure > Global Services > Console.

`SCConfigGlobal.jsp`

Supports the configuration of OpenAM global properties. You can get to this window by selecting Configure > Server Defaults.

`SCConfigSystem.jsp`

Supports the configuration of OpenAM system properties. You can get to this window by selecting Configure > Global Services > System.

`SCPlatform30.jsp`

Accesses current global attributes and cookie domain settings. To get to this window, select Configure > Global Services > System > Platform.

`SCPolicy.jsp`

Supports a view of the current policy configuration. To access this window, select Configure > Global Services > Policy Configuration.

`SCPolicyResourceComparatorAdd.jsp`

Supports the addition of a new resource comparator to the current policy configuration. To access the relevant window, select Configure > Global Services > Policy Configuration.

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

`SCPolicyResourceComparatorEdit.jsp`

Supports the editing of an existing resource comparator in the current policy configuration. To access the relevant window, select Configure > Global Services > Policy Configuration.

`SCSAML2SOAPBinding.jsp`

Enables a review of current SAML v2.0 SOAP binding request handlers. Associated with SOAP-based communications, using SAML v2.0 requests, between a client and a server. To access the relevant screen, select Configure > Global Services > SAMLv2 SOAP Binding.

`SCSAML2SOAPBindingRequestHandlerListAdd.jsp`

Allows you to add a new SAML v2.0 SOAP binding request handler. To access the relevant screen, select Configure > Global Services > SAMLv2 SOAP Binding.

`SCSAML2SOAPBindingRequestHandlerListDup.jsp`

Allows you to duplicate an existing SAML v2.0 SOAP binding request handler. To access the relevant screen, select Configure > Global Services > SAMLv2 SOAP Binding.

`SCSAML2SOAPBindingRequestHandlerListEdit.jsp`

Allows you to edit an existing SAML v2.0 SOAP binding request handler. To access the relevant screen, select Configure > Global Services > SAMLv2 SOAP Binding.

`SCSOAPBinding.jsp`

Enables a review of current SOAP binding request handlers. Associated with the Liberty Alliance Project Identity Federation Framework (Liberty ID-FF).

`SCSOAPBindingRequestHandlerListAdd.jsp`

Allows you to add a new SOAP binding request handler. Associated with the Liberty Alliance Project Identity Federation Framework (Liberty ID-FF).

`SCSOAPBindingRequestHandlerListDup.jsp`

Allows you to duplicate an existing SOAP binding request handler. Associated with the Liberty Alliance Project Identity Federation Framework (Liberty ID-FF).

`SCSOAPBindingRequestHandlerListEdit.jsp`

Allows you to edit an existing SOAP binding request handler. Associated with the Liberty Alliance Project Identity Federation Framework (Liberty ID-FF).

`SecurityTokenService.jsp`

Supports the configuration of tokens associated with the Security Token Service (STS). To access the associated screen, select Configure > Global Services > Security Token Service.

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

`ServerAdd.jsp`

Supports the addition of an OpenAM server to work behind a load balancer in support of Session Failover (SFO). Available from Deployment > Servers.

`ServerClone.jsp`

Supports the cloning of an existing OpenAM server to work behind a load balancer in support of session failover. Available from Deployment > Servers.

`ServerConfigInherit.jsp`

Supports the inheritance of the default configuration for servers, as it relates to SFO.

`ServerConfigXMLAddServer.jsp`

Enables the configuration fo a new server; relates to SFO.

`ServerConfigXML.jsp`

Supports the review of the XML settings of an existing server, as it relates to SFO.

`ServerEditAdvanced.jsp`

Supports the editing of advanced properties for default servers, in the configuration of servers for SFO. To access, navigate to Configure > Server Defaults > Advanced.

`ServerEditCTS.jsp`

Supports the editing of properties for the Core Token Service. To access, navigate to Configure > Server Defaults > CTS.

`ServerEditGeneral.jsp`

Supports the editing of general properties for default servers, such as the base directory, default locale, debug level, mail server for notifications, and more. Relates to the configuration of servers for SFO. To access, select Configure > Server Defaults.

`ServerEditSDK.jsp`

Supports the editing of SDK-related properties for default servers, associated with SFO. Supports editing of settings such as datastore notifications, event service connection retries, LDAP connections, Time To Live (TTL) for user entries, and more. To access, navigate to Configure > Server Defaults > SDK.

`ServerEditSecurity.jsp`

Supports the editing of security properties for default servers; associated with SFO. Includes default security settings such as encryption keys, cookie encoding, keystores, and certificate management. To access, navigate to Configure > Server Defaults > Security.

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

`ServerEditSession.jsp`

Supports the editing of session properties for default servers; associated with SFO. Note the Session Limit default specifies a maximum of 5000, well short of the 100,000 sessions that can be handled by a standard 3GB dual-core production system. To access, navigate to Configure > Server Defaults > Session.

`ServerEditUMA.jsp`

Supports the editing of UMA properties for default servers. To access, select Configure > Server Defaults > UMA.

`ServerSite.jsp`

Associated with the addition or editing of a load balancer that distributes requests to other OpenAM servers. To access, select Deployment > Servers.

`SiteAdd.jsp`

Enables the configuration of a load balancer to distribute requests to other existing OpenAM servers. To access, select Configure > Sites.

`SiteEdit.jsp`

Enables changes to a configured load balancer in how it distributes requests to other existing OpenAM servers. To access, select Configure > Sites.

`SMDiscoveryBootstrapRefOffAdd.jsp`

Includes new resource offerings for the discovery service, bootstrapped using a standard such as SAML2.

`SMDiscoveryBootstrapRefOffEdit.jsp`

Supports the editing of existing resource offerings for the discovery service, bootstrapped with a standard such as SAML2.

`SMDiscoveryDescriptionAdd.jsp`

Includes the addition of of new options for the discovery service.

`SMDiscoveryDescriptionEdit.jsp`

Supports the editing of existing options for the discovery service.

`SMDiscoveryProviderResourceIdMapperAdd.jsp`

Supports the mapping of a new resource ID for the discovery service.

`SMDiscoveryProviderResourceIdMapperEdit.jsp`

Supports the editing of an existing resource ID for the discovery service.

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

`SMDiscoveryService.jsp`

Supports a review and configuration of the Discovery Server, for global attributes, the ResourceID Mapper plug-in, and bootstrapping.

`SMGlobalN.jsp`

Allows you to configure globalization settings for OpenAM; accessible via Configure > Global Services > Console > Globalization Settings.

`SubConfigAdd.jsp`

Allows you to configure a secondary configuration instance; accessible via Configure > Global Services > Session.

`SubConfigEdit.jsp`

Allows you to edit an existing secondary configuration instance; accessible via Configure > Global Services > Session.

`SubSchemaTypeSelect.jsp`

Allows you to configure a schema associated with breadcrumbs.

6.15. Session Console JSP Endpoints

There are currently two service endpoints configured in the `console/session` subdirectory, related to login sessions.

`SMProfile.jsp`

Provides statistics on current stateful login sessions. Available from the Sessions tab from the main console.

`SessionHAStatistics.jsp`

Supports session high availability statistics collection.

6.16. Task Console JSP Endpoints

The service endpoints in the `console/task` subdirectory relate to the options available from the default start page when an administrator logs into the OpenAM console. If you do not use Google Apps or Salesforce, you may not need some of the functionality in the associated endpoints.

`CompleteCreateHostedIDP.jsp`

Provides information on what the administrator can do after configuring an Identity Provider (IDP). Options listed include registering a remote Service Provider (SP), creating a fedlet,

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

configuring Google Apps, and configuring Salesforce CRM. Includes links to such functionality, which depend on the configuration of a Circle of Trust (CoT).

`ConfigureGoogleApps.jsp`

Supports the configuration of Google Apps for Single-sign on (SSO). Requires a CoT configured with an IDP.

`ConfigureGoogleAppsComplete.jsp`

Enables entries to configure the SP. Includes steps "To Enable Access to the Google Apps API."

`ConfigureGoogleAppsWarning.jsp`

Includes a default warning message related to the `ConfigureGoogleApps.jsp` endpoint. The message is: "Unable to configure because there are no circle of trust with Identity Provider."

`ConfigureOAuth2.jsp`

Supports the configuration of OAuth2 Authorization. For more information, see the the chapter on "*Managing OAuth 2.0 Authorization*" in the *Administration Guide*.

`ConfigureSalesForceApps.jsp`

Accessible when you select the Configure Salesforce CRM link shown in the main GUI console. Requires IDP and SP information for an appropriate CoT, where OpenAM is the IDP and Salesforce is configured as the SP.

`ConfigureSalesForceAppsComplete.jsp`

Supports the configuration of SSO with a Salesforce CRM account. Includes instructions on the settings to add to an applicable Salesforce account.

`ConfigureSalesForceAppsFinishWarning.jsp`

Includes a warning message related to the `ConfigureSalesForceApps.jsp` endpoint. The message is: "Unable to configure because there are no circle of trust with Identity Provider."

`ConfigureSalesForceAppsWarning.jsp`

Sets up a warning message related to a need for a circle of trust for the configuration.

`ConfigureSocialAuthN.jsp`

Accessible when you select one of the Configure Social Authentication options shown in the main GUI console.

`CreateFedlet.jsp`

A fedlet supports federation for a SP that does not already have its own federation solution. For more information, see "*Building SAML v2.0 Service Providers With Fedlets*" in the *Developer's Guide*.

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

`CreateFedletWarning.jsp`

Sets up a warning message related to the prerequisite for a CoT with the IDP.

`CreateHostedIDP.jsp`

Supports the configuration of a SAML v2.0 IDP on the local instance of OpenAM.

`CreateHostedSP.jsp`

Supports the configuration of a SAML v2.0 SP on the local instance of OpenAM.

`CreateRemoteIDP.jsp`

Supports the configuration of a SAML v2.0 IDP on a remote system, within a configured CoT.

`CreateRemoteSP.jsp`

Supports the configuration of a SAML v2.0 SP on a remote system, within a configured CoT.

`Home.jsp`

Endpoint that redirects the client to the startup page for OpenAM.

`ValidateSAML2Setup.jsp`

Supports the test of a federation connection between an IDP and SP in a CoT.

6.17. User Console JSP Endpoints

Endpoints in the console/user subdirectory support account configuration tasks. Many of these endpoints are accessible by realm. From the home page screen, select Realms > *Realm Name* > Subjects > *User Name*. This should open up an Edit User screen

`UMChangeUserPassword.jsp`

This service endpoint is normally opened in a separate window to enable a user (or administrator) to change their login password. Accessible from the Edit User screen. All you need to do from the screen is click Edit next to the Password entry.

`UMUserDiscoveryDescriptionAdd.jsp`

Relates to the security mechanism identifier associated wih a user. To access from the screen for an individual user, select Services > Discovery Service > Add > scroll down to the Service Description box > New Description > select and Add a Security Mechanism ID. An example ID is `urn:liberty:security:2003-08:ClientTLS:SAML`, which relates to the former Liberty Alliance project. The ID also uses Transaction Layer Security (TLS) on the client with SAML assertions.

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

`UMUserDiscoveryDescriptionEdit.jsp`

Supports editing of the security mechanism identifier associated with a user. Closely related to the `UMUserDiscoveryDescriptionAdd.jsp` endpoint.

`UMUserPasswordResetOptions.jsp`

Allows you to "Force Change Password on Next Login". Accessible from the Edit User screen for a specific user, via the "Password Reset Options" entry near the bottom of the window.

`UMUserResourceOffering.jsp`

Accessible as an option to the Discovery Service for a specific user. To access from the Edit User screen for a specific user, select Services > Discovery Service > Add.

`UMUserResourceOfferingAdd.jsp`

Accessible as an option to the Discovery Service for a specific user. To access from the Edit User screen for a specific user, select Services > Discovery Service > Add.

`UMUserResourceOfferingEdit.jsp`

Accessible as an option to the Discovery Service for a specific user. To edit an existing resource offering, navigate to the Edit User screen for a specific user, select Services > Discovery Service > *[some previously configured service]*.

6.18. Web Services Console JSP Endpoints

Web services include endpoints in the `console/webservices` subdirectory. You can use them to define legacy options for services, such as the Liberty Identity Federation Framework (ID-FF). As such, these endpoints may be less essential to your implementation of OpenAM. For more information, see the *OpenAM Wiki on Web Services* .

`WSAuthNServices.jsp`

Supports the configuration of various mechanism handlers for authentication, including CRAM-MD5, PLAIN, and SSOToken.

`WSAuthNServicesHandlersAdd.jsp`

Supports the addition of a new mechanism handler for authentication.

`WSAuthNServicesHandlersEdit.jsp`

Supports changes to an existing mechanism handler for authentication.

`WSPPServiceDSAttributeMapListAdd.jsp`

Enables the addition of a new LDAP attribute, with a name prefix.

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

`WSPPServiceDSAttributeMapListEdit.jsp`

Enables the editing of an existing LDAP attribute, with a name prefix.

`WSPPServiceSupportedContainerAdd.jsp`

Enables the creation of a new supported container for ID-FF.

`WSPPServiceSupportedContainerEdit.jsp`

Enables the editing of an existing container.

`WSPersonalProfileService.jsp`

Allows you to configure ID-FF for global attributes, supported containers, PPLDAP attributes and alternative security mechanisms.

6.19. OAuth and Related JSP Endpoints

Includes endpoints in the `oauth2` and `oauth2c` subdirectories. Some of the service endpoints in the `oauth` subdirectory are based on OAuth 1.0, which is deprecated.

`checkSession.jsp`

Enables retrieval of session status change notifications for OpenID Connect 1.0. For more information, see the Session Status Change Notification section in the *OpenID Connect Session Management 1.0 specification*.

`registerClient.jsp`

Enables registration of an OAuth 2.0 client with the OpenAM OAuth 2.0 authorization service. For details, see "Registering OAuth 2.0 Clients With the Authorization Service" in the *Administration Guide*.

`OAuthLogout.jsp`

Used to log out the resource owner with the OAuth 2.0 provider. For more information, see "Registering OAuth 2.0 Clients With the Authorization Service" in the *Administration Guide*.

`OAuthProxy.jsp`

Endpoint used for redirection. For more information, see "Registering OAuth 2.0 Clients With the Authorization Service" in the *Administration Guide*.

6.20. Password JSP Endpoints

The endpoints in this section can be found in the `password/ui` subdirectory. Each of these endpoints use the `PWResetViewBeanBase.java` file, as a class to set up messages. You can view some of these endpoints

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

by omitting the `password`. For example, to view the effect of the `PWResetUserValidation.jsp` endpoint on an OpenAM system using an URL of openam.example.org in a standard Tomcat container, navigate to `http://openam.example.org/openam/ui/PWResetUserValidation.jsp`. To set associated options, in the OpenAM console navigate to Configure > Global Services, and then click Password Reset, the legacy Password Reset Service.

`PWResetBase.jsp`

This simple endpoint includes a redirection of the ServiceURI, and specifies OpenAM as the ProductName. It is used by the other endpoints in the `password/ui` subdirectory.

`PWResetInvalidURL.jsp`

This endpoint is called with the `PWResetInvalidURLViewBean` class, when a module servlet gets an invalid URL.

`PWResetQuestion.jsp`

Starts the password reset process by prompting for the User ID. For more information on the process, see the method for the associated `PWResetQuestionModel`, available from the Interface PWResetQuestionModel specification page.

`PWResetSuccess.jsp`

Specifies the endpoint that is called when an account password is successfully reset.

`PWResetUncaughtException.jsp`

Specifies a "Contact your administrator" message when there is an error in a related endpoint.

`PWResetUserValidation.jsp`

Opens a screen that prompts for a user ID (UID). If that UID is found in the database, configured with an accessible email address, on a system connected to a mail server, a reset link is sent to that address.

6.21. SAML2 JSP Endpoints

You can find the endpoints described in this section in the `saml2/jsp` subdirectory. As of this writing, some of these endpoints are not used in the current implementation of OpenAM. Active endpoints in this category are discussed in "*Managing SAML v2.0 Federation*" in the *Administration Guide*.

`autologout.jsp`

May be dispatched to perform a single logout.

`autologoutwml.jsp`

May be dispatched to perform a single logout in a WML environment.

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

`autosubmitaccessrights.jsp`

Auto-submitting form used to post an error message and relay state. Used by the Fedlet.

`autosubmittingerror.jsp`

Auto-submitting form used to post error messages.

`default.jsp`

May be used by other files to return a success or failure message. While the `default.jsp` name is common in the trunk, the `jsp/default.jsp` filename is used only by `SPSingleLogout.java`, which is not commonly used.

`exportmetadata.jsp`

Supports the export of XML-based metadata with other providers within a circle of trust (CoT). Currently used. For more information, see the chapter on "*Managing SAML v2.0 Federation*" in the *Administration Guide*.

`idpMNIPOST.jsp`

The MNI in several JSP files relate to ManageNameID, which sets up corresponding accounts on IDPs and SPs. This particular JSP file processes a request from an IDP through an HTTP redirect.

`idpMNIRedirect.jsp`

The MNI in several JSP files relate to ManageNameID, which sets up corresponding accounts on IDPs and SPs. This particular JSP file processes a request from an IDP through an HTTP redirect. It uses a metadata-based alias, an entity ID for the service provider, and the type of MNI request; examples include `NewID` and `terminate`.

`idpMNIRequestInit.jsp`

The MNI in several JSP files relate to ManageNameID, which sets up corresponding accounts on IDPs and SPs. As described in "Changing Federation of Persistently Linked Accounts" in the *Administration Guide*, it allows you to change federation of persistently linked accounts. The chapter also includes an example of this endpoint at work.

`idpSSOFederate.jsp`

Specifies an endpoint that takes authentication requests from an SP, with a `SAMLRequest` data, a `metaAlias` and a `RelayState` with information from the target URL.

`idpSSOInit.jsp`

Specifies an endpoint that starts SSO, either from cache, or by verifying `metaAlias` and SP identifier data. For more information, see the chapter on "*Managing SAML v2.0 Federation*" in the *Administration Guide*.

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

`idpSingleLogoutInit.jsp`

Starts a `LogoutRequest` from the identity provider. For more information, see the chapter on "*Managing SAML v2.0 Federation*" in the *Administration Guide*.

`idpSingleLogoutPOST.jsp`

Specifies an endpoint that receives logout requests from IDPs and receives logout responses from SPs. Also sends logout responses to SPs.

`idpSingleLogoutRedirect.jsp`

Takes the `SAMLRequest` and `SAMLResponse` messages for logouts from the SP. May also handle the `RelayState` directive.

`SA_IDP.jsp`

Used for SAML authentication for communication with identity providers (IDPs).

`SA_SP.jsp`

Used for SAML authentication for communication with service providers (SPs).

`saeerror.jsp`

Returns an error message related to Secure Attribute Exchange (SAE). Currently used only by the `SA_IDP.jsp` and `SA_SP.jsp` endpoints.

`saml2error.jsp`

Endpoint that may return one of many error codes, specified in the comments of the file.

`saml2AuthAssertionConsumer.jsp`

Used on a SP, to interpret information from an IDP. The request to the IDP is an `AuthnRequest`; the response from the IDP is read by this endpoint. SAML v2.0 single sign-on implemented using integrated mode uses this endpoint.

`spAssertionConsumer.jsp`

Used on a SP, to interpret information from an IDP. The request to the IDP is an `AuthnRequest`; the response from the IDP is read by this endpoint. SAML v2.0 single sign-on implemented using standalone mode uses this endpoint.

`spMNIPOST.jsp`

The MNI in several JSP files relate to ManageNameID, which sets up corresponding accounts on IDPs and SPs. This particular endpoint takes the associated request, using an HTTP Redirect, from a SP. Less commonly used.

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

`spMNIRedirect.jsp`

This particular endpoint handles the `ManageNameIDRequest` and `ManageNameIDResponse` messages with the help of HTTP Redirect. Less commonly used.

`spMNIRequestInit.jsp`

This particular endpoint supports changes to federation of persistently linked accounts, in a fashion similar to `idpMNIRequestInit.jsp`. For an example of this endpoint in work, see the chapter on "*Managing SAML v2.0 Federation*" in the *Administration Guide*.

`spSSOInit.jsp`

Supports SSO messages from the SP. For more information and an example of how this endpoint is used, see the chapter on "*Managing SAML v2.0 Federation*" in the *Administration Guide*.

`spSingleLogoutInit.jsp`

Supports SSO messages from the SP. For more information, see the chapter on "*Managing SAML v2.0 Federation*" in the *Administration Guide*.

`spSingleLogoutPOST.jsp`

Specifies an endpoint that receives logout requests from SPs and receives logout responses from IDPs. Also sends logout responses to IDPs. Converse endpoint to `idpSingleLogoutPOST.jsp`.

`spSingleLogoutRedirect.jsp`

Takes the `SAMLRequest` and `SAMLResponse` messages for logouts from the IDP. May also handle the `RelayState` directive. Converse endpoint to `idpSingleLogoutRedirect.jsp`.

6.22. WS Federation JSP Endpoints

The endpoints described in this section, in the wsfederation/jsp subdirectory, relate to Kantara Initiative standards that originated with the Liberty Alliance Project Identity Federation Framework.

`logout.jsp`

Shows a page after a successful logout.

`multi.jsp`

Used for multi-federation protocol configurations.

`post.jsp`

Sets up a form for single sign-on (SSO) responses sent from the IDP to the SP.

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

`realmSelection.jsp`

Default display if no realms are defined.

6.23. WEB-INF Endpoints

The OpenAM WAR archive includes the deployment descriptor file, `/path/to/webapps/openam/WEB-INF/web.xml`, which contains references to different URL patterns that OpenAM accesses as endpoints. These endpoints are based on what could be added to an OpenAM URL. Many of the endpoints that appear in the `web.xml` file are not directly related to the .jsp files described in other parts of this chapter.

Endpoints in the `web.xml` file are tagged with the `url-pattern` label. Each of the `url-pattern` entries shown in the `web.xml` file is associated with a `filter-name` or a `servlet-name` element. The definitions that follow use those elements to help identify the function of each endpoint.

If you want to disable one or more of these endpoints, you may be able to delete them from the `web.xml` file.

The `web.xml` file changes from release to release of OpenAM. If you do choose to remove endpoints from this file in order to disable access to parts of the OpenAM configuration, be sure to review the `web.xml` file when you upgrade to a new release of OpenAM. You will need to remove the restricted endpoints after each upgrade, and you should review new endpoints to determine whether you want to disable them.

The endpoints in this section are in the order found in the list of `url-pattern` entries shown in the web.xml file at the time of this writing.

`/service/*, /federation/*, /realm/*, /agentconfig/*, /sts/*, /delegation/*, /idm/*, /Debug.jsp, /ssoadm.jsp`

Filters for various endpoints. Associated with the `JatoAuditFilter`, which implements the `org.forgerock.openam.audit.servlet.AuditAccessServletFilter` filter class.

`/*`

Implements the `AuditContextFilter` for all endpoints. This filter implements the `org.forgerock.openam.audit.context.AuditContextFilter` filter class.

`/*`

Implements the `amSetupFilter` for all endpoints. This filter implements the `com.sun.identity.setup.AMSetupFilter` filter class.

`/UI/*, /idm/EndUser`

Implements the `XUIFilter`. This filter implements the `org.forgerock.openam.xui.XUIFilter` filter class.

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

`/*`

Implements the `ResponseValidationFilter` for all endpoints. This filter implements the `org.forgerock.openam.validation.ResponseValidationFilter` filter class.

`/XUI/index.html`

Implements the `CacheForFiveMinutes`. This filter implements the `org.forgerock.openam.headers.SetHeadersFilter` filter class.

`/XUI/*`

Implements the `CacheForAMonth`. This filter implements the `org.forgerock.openam.headers.SetHeadersFilter` filter class.

`/ws/*`

Implements the `AuthNFilter` and `AuthZFilter`. These filters implement the `com.sun.identity.rest.AuthNFilter` and `com.sun.identity.rest.AuthZFilter` filter classes.

`/login`

With the help of the `LoginLogoutMapping.java` file, this would forward to the `/UI/Login.jsp` endpoint.

`/logout`

With the help of the `LoginLogoutMapping.java` file, this would forward to the `/UI/Logout.jsp` endpoint.

`/UI/*`

Uses the `LoginServlet`.

`/config/configurator`

Uses the `AMSetupServlet`, which is the first class to get loaded by the Servlet * container (as noted in the associated `.java` file)

`/setup/setSetupProgress`

Used by the installation wizard to display the progress.

`/upgrade/setUpgradeProgress`

Used by the upgrade wizard to display progress.

`/ui/*`

Associated with the servlet named `PWResetServlet`, associated with password resets.

`/gateway`

Used with the servlet named `GatewayServlet`. Associated with the `Gateway.java` file, which takes an authentication module and forwards it to a login URL.

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

`/GetHttpSession`

The associated `.java` file is associated with session failover.

`/sessionservice, /profileservice, /policyservice, /namingservice, /loggingservice, /authservice, /notificationservice`

All of these endpoints are associated with OpenAM Security Advisory #201203. As suggested in the advisory, if you are using OpenAM version 9.5.4 or 10.0.0, you should be sure to apply the updates required to upgrade your systems to versions 9.5.5 or 10.0.1 (or higher).

`/jaxrpc/*, /identityservices/*`

These endpoints provide information on configured web services, including the port name, status, URL, and implementation class. Both endpoints show the same data. The IdentityServices servlet name points to the following description: "Web Service Endpoint - Identity Services".

`/SMSServlet`

Includes system configuration information when available, as documented in the comments to the `AMSystemConfig.java` file.

`/identity/*`

Possibly a legacy endpoint. While the associated `IdentityServicesHandler` servlet is identified as "REST Endpoint - Identity Services", it is only cited in the `IdentityServicesHandler.java` file.

`/notification/*`

The associated servlet named `notificationservlet` appears to be commonly used. When the URL is entered, the default output is 200, which is associated with a URL success message.

`/entitlementmonitor/*`

Used by the `NetworkMonitor.java` file, which is useful for the monitoring of OpenAM services.

`/resources/*`

Linked to an `oauth` servlet. The associated `com.sun.identity.oauth.service.RestService` class is rarely used.

`/SPMniSoap/*`

Used by a servlet named `SPMniSoap`; associated with a `com.sun.identity.saml2.servlet.SPManageNameIDServiceSOAP` servlet class. The associated `.java` file works with Manage Name ID communications using SOAP binding from the SP. As the former `spMNISOAP.jsp` file no longer exists in the trunk, this may be a legacy endpoint.

`/SPMniPOST/*`

Used by a servlet named `spMNIPOST.jsp`; previously defined in the SAML2 JSP Endpoints section.

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

`/SPMniRedirect/*`

Used by a servlet named `spMNIRedirect.jsp`, which is defined in the SAML2 JSP Endpoints section.

`/SPMniInit/*`

Used by a servlet named `spMNIRequestInit.jsp`, which is defined in the SAML2 JSP Endpoints section.

`/SPECP/*`

The associated `SPECPService` class receives and processes single logout (SLO) requests, using SOAP bindings on the SP.

`/SPSloSoap/*`

The associated `SPSingleLogoutServiceSOAP` class receives and processes single logout (SLO) requests, using SOAP bindings on the SP.

`/SPSloPOST/*`

Used by a servlet named `spSingleLogoutPOST.jsp`, which is defined in the SAML2 JSP Endpoints section.

`/SPSloRedirect/*`

Used by a servlet named `spSingleLogoutRedirect.jsp`, which is defined in the SAML2 JSP Endpoints section.

`/SPSloInit/*`

Used by a servlet named `spSingleLogoutInit.jsp`, which is defined in the SAML2 JSP Endpoints section.

`/Consumer/*`

Used by a servlet named `spAssertionConsumer.jsp`, which is defined in the SAML2 JSP Endpoints section.

`/AuthConsumer/*`

Used by a servlet named `AuthConsumer.jsp`, which is defined in the SAML2 JSP Endpoints section. Used with SAML v2.0 integrated mode deployments.

`/SSOPOST/*, /SSORedirect/*`

Used by a servlet named `idpSSOFederate.jsp`, which is defined in the SAML2 JSP Endpoints section.

`/NIMSoap/*`

Used by a servlet named `NameIDMappingServiceSOAP`.

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

`/AIDReqUri/*`

Used by a servlet named `AssertionIDRequestServiceSoap`.

`/AIDReqSoap/*`

Used by a servlet named `AssertionIDRequestServiceSoap`.

`/AuthnQueryServiceSoap/*`

Used by a servlet named `AuthnQueryServiceSoap`.

`/AttributeServiceSoap/*`

Used by a servlet named `AttributeServiceSoap`.

`/SSOSoap/*`

Used by a servlet named `SSOSoap`.

`/IDPMniSoap/*`

Used by a servlet named `IDPMniSoap`.

`/IDPMniPOST/*`

Used by a servlet named `idpMNIPOST.jsp`, which is defined in the SAML2 JSP Endpoints section.

`/IDPMniRedirect/*`

Used by a servlet named `idpMNIRedirect.jsp`, which is defined in the SAML2 JSP Endpoints section.

`/IDPMniInit/*`

Used by a servlet named `idpMNIRequestInit.jsp`, which is defined in the SAML2 JSP Endpoints section.

`/IDPSloSoap/*`

Used by a servlet named `IDPSloSoap`.

`/IDPSloPOST/*`

Used by a servlet named `idpSingleLogoutPOST.jsp`, which is defined in the SAML2 JSP Endpoints section.

`/IDPSloRedirect/*`

Used by a servlet named `idpSingleLogoutRedirect.jsp`, which is defined in the SAML2 JSP Endpoints section.

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

`/IDPSloInit/*`

Used by a servlet named `idpSingleLogoutInit.jsp`, which is defined in the SAML2 JSP Endpoints section.

`/ArtifactResolver/*`

Used by a servlet named `IDPArtifactResolver`.

`/spssoinit`

Used by a servlet named `spSSOInit.jsp`, which is defined in the SAML2 JSP Endpoints section.

`/idpssoinit`

Used by a servlet named `idpSSOInit.jsp`, which is defined in the SAML2 JSP Endpoints section.

`/idpSSOFederate`

Used by a servlet named `idpSSOFederate.jsp`, which is defined in the SAML2 JSP Endpoints section.

`/idpsaehandler/*`

Used by a servlet named `SA_IDP.jsp`, which is defined in the SAML2 JSP Endpoints section.

`/spsaehandler/*`

Used by a servlet named `IDP_SP.jsp`, which is defined in the SAML2 JSP Endpoints section.

`/idpfinder`

Used by a servlet named `IDPFinderService`; the associated `FSIDPFinderService.java` file can be used to find a preferred IDP with a common domain cookie.

`/cdcservlet`

Used by a servlet named `CDCServlet`. It is associated with a Cross Domain Controller Servlet, as described in the the chapter on "*Configuring Cross-Domain Single Sign-On*" in the *Administration Guide*.

`/SAMLAwareServlet`

Used by a servlet named `SAMLAwareServlet`. It is associated with communications between a client, an SP, and an IDP. The transfer service on the IDP is the SAML Aware Servlet, and is part of the client web browser artifact profile. It validates a session token from a request run through the IDP.

`/SAMLPOSTProfileServlet`

Used by a servlet named `SAMLPOSTProfileServlet`. It is associated with communications between a client, an SP, and an IDP. The transfer service on the IDP is the SAML Aware Servlet, and is part

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

of the client web browser POST profile, which supplies assertion IDs, and returns the response to the client browser.

`/SAMLSOAPReceiver`

Used by a servlet named `SAMLSOAPReceiver`. The servlet extracts a SAML request from a message sent in SOAP format. That message can be a query for authorization, attributes, or authentication. It supports POST messages only.

`/AssertionManagerServlet/*`

Used by a servlet named `AssertionManagerServlet`. It supports dynamic substitution, using the host name, port number, and the deployment location.

`/FSAssertionManagerServlet/*`

Used by a servlet named `FSAssertionManagerServlet`. It provides remote interfaces for the assertion manager class.

`/SecurityTokenManagerServlet/*`

Used by a servlet named `SecurityTokenManagerServlet`. It supports dynamic substitution, using session parameters.

`/preLogin`

Used by a servlet named `preLoginHandler`. As there is no associated `.java` or `.jsp` file, it may be a legacy endpoint.

`/postLogin/*`

Used by a servlet named `postLoginHandler`. As there is no associated `.java` or `.jsp` file, it may be a legacy endpoint.

`/federation`

Used by a servlet named `FederationServlet`. Associated with the `com.sun.identity.federation.login.FSFederationHandler` class. The matching `FSFederationHandler.java` file processes requests to initiate a federation.

`/consentHandler`

Used by a servlet named `consentHandler`. Associated with the `com.sun.identity.federation.login.FSConsentHandler` class. The matching `FSConsentHandler.java` file processes redirect requests in an existing federation.

`/ProcessLogout/*`

Used by a servlet named `ProcessLogout`. Associated with the `FSProcessLogoutServlet` class. It is designed to handle single logout requests related to Kantara/Liberty ID-FF processes.

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

`/ReturnLogout/*`

Used by a servlet named `ReturnLogout`. Associated with the `FSReturnLogoutServlet` class. It is designed to handle single logout responses related to Kantara/Liberty ID-FF processes. (Note the subtle difference with the `ProcessLogout` endpoint which handles logout requests.)

`/liberty-logout`

Used by a servlet named `LogoutServlet`. Associated with the `FSSingleLogoutServlet` class. It is designed to start single logout requests related to Kantara/Liberty ID-FF processes.

`/SingleSignOnService/*`

Used by a servlet named `SingleSignOnService`. Associated with the `FSSSOAndFedService` class. Configured for SSO on the IDP.

`/IntersiteTransferService`

Used by a servlet named `IntersiteTransferService`. Associated with the `FSIntersiteTransferService` class. It is designed to send a `AuthnRequest` to an IDP.

`/AssertionConsumerService/*`

Used by a servlet named `AssertionConsumerService`. Associated with the `FSAssertionConsumerService` class. For more information, see the chapter on "*Managing SAML v2.0 Federation*" in the *Administration Guide*.

`/SOAPReceiver/*`

Used by a servlet named `SOAPReceiver`. Associated with the `FSSOAPReceiver` class. SOAP endpoint that handles federation and specifies a URI to the SP.

`/federation-terminate`

Used by a servlet named `FederationTerminationServlet`. Associated with the `FSTerminationInitiationServlet.java` file, used to initiate termination of a federation connection. The IDP will send the termination request to the associated URL.

`/ProcessTermination/*`

Used by a servlet named `ProcessTermination`. Associated with the `FSTerminationRequestServlet` class. The associated `.java` file is used when a request is received by a remote SP.

`/ReturnTermination/*`

Used by a servlet named `ReturnTermination`. Associated with the `FSTerminationReturnServlet` class. The associated `.java` file is used to define a URL used by an IP to send termination responses.

`/InitiateRegistration/*`

Used by a servlet named `InitiateRegistration`. Associated with the `FSRegistrationInitiationServlet` class. The associated `.java` file is used to handle the registration request from a remote IDP.

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

`/ProcessRegistration/*`

Used by a servlet named `ProcessRegistration`. Associated with the `FSRegistrationRequestServlet` class. Processes registration requests from remote SPs.

`/ReturnRegistration/*`

Used by a servlet named `ReturnRegistration`. Associated with the `SRegistrationReturnServlet` class. Defines a URL for IDPs to send registration responses.

`/Liberty/*`

Used by a servlet named `WSSOAPReceiver`. Associated with the `SOAPReceiver` class. Defines an endpoint that handles SOAP requests.

`/WSPRedirectHandler/*`

Used by a servlet named `WSPRedirectHandler`. Associated with the `WSPRedirectHandlerServlet` class. Used by the SP for user redirects.

`/idffwriter, /saml2writer`

Used by a servlet with a matching name (`idffwriter`, `saml2writer`). Associated with the `CookieWriterServlet` class. Used by the IDP to help the web container find app-specific info, such as Java classes or Java Archives (JARs).

`/idffreader, /saml2reader`

Used by a servlet with a matching name (`idffreader`, `saml2reader`). Associated with the `CookieReaderServlet` class. Used by the SP to help find the preferred IDP.

`/multiprotocolrelay`

Used by a servlet named `MultiProtocolRelayServlet`. Associated with the `MultiProtocolRelayServlet` class. Also used in federation as a RelayState to continue to the next protocol.

`/WSFederationServlet/*, /FederationMetadata/*`

Used by a servlet named `WSFederationServlet`. Associated with the `WSFederationServlet` class. Used as a service endpoint for WS-Federation.

`/RealmSelection/*`

Used by an endpoint named `realmSelection.jsp`, which was defined in the WS-Federation JSP Endpoints section.

`/saml2query/*`

Used by a servlet named `saml2query`. Associated with the `QueryHandlerServlet` class. The corresponding `.java` file receives and processes SAML2 queries.

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

`/federationws/*`

Used by a servlet named `federationrest`. Associated with the `ServletContainer` class. Does not appear to be included in any current `.java` or `.jsp` file, so it may be a legacy endpoint.

`/oauth2/registerClient.jsp`

Used by a servlet named `OAuth2RegisterClient`. For more information, see "*Managing OAuth 2.0 Authorization*" in the *Administration Guide*.

`/oauth2/connect/checkSession`

Used by a servlet named `OAuth2ConnectCheckSession`.

`/.well-known/*`

OpenAM's well-known endpoints. See "Well-Known Endpoints".

`/json/*`

Used by a servlet named `ForgeRockRest`. Associated with the `HttpServlet` class. For more information, see "Using the REST API" in the *Developer's Guide*. In addition, you can read more about associated REST endpoints in "REST API Endpoints".

`/frrest/oauth2/*`

Used by a servlet named `OAuth2Rest`. Associated with the `RestTokenDispatcher` class. For more information, see "RESTful OAuth 2.0, OpenID Connect 1.0 and UMA 1.0 Services" in the *Developer's Guide*.

`/rest-sts, /sts-publish, /sts-tokengen`

Endpoints that expose OpenAM's RESTful STS and SOAP STS functionality.

`/xacml/*`

Endpoints that expose OpenAM's XACML functionality.

`/oauth2/*`

Used by a servlet named `OAuth2RestletAdapter`. Associated with the `RestTokenDispatcher` class. For more information, see the chapter on the chapter on "RESTful OAuth 2.0, OpenID Connect 1.0 and UMA 1.0 Services" in the *Developer's Guide*.

`/uma/*`

Endpoints that expose OpenAM's RESTful UMA functionality.

`/authentication/*`

Associated with the servlet named `AuthServlet`. The associated `AuthServer.java` file is the controller servlet for realm authentication pages. When the URL is entered prior to login, it defaults to the standard login page.

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

`/base/*`

Associated with the servlet named `AMBaseServlet`. While the associated `AMBaseServlet.java` file is rarely used, any URL entered prior to login defaults to the standard login page.

`/service/*`

Associated with the servlet named `SCServlet`.

`/session/*`

Associated with the servlet named `SMServlet`. While the associated `SMServlet.java` file is rarely used, any URL entered prior to login defaults to the standard login page.

`/realm/*`

Associated with the servlet named `RMServlet`.

`/policy/*`

Associated with the servlet named `PMServlet`. While the associated `PMServlet.java` file is rarely used, any URL entered prior to login defaults to the standard login page.

`/idm/*`

Associated with the servlet named `IDMServlet`. While the associated `IDMServlet.java` file is rarely used, any URL entered prior to login defaults to the standard login page.

`/user/*`

Associated with the servlet named `UMServlet`. While the associated `UMServlet.java` file is rarely used, any URL entered prior to login defaults to the standard login page.

`/delegation/*`

Associated with the servlet named `DelegationServlet`. While the associated `DelegationServlet.java` file is rarely used, any URL entered prior to login defaults to the standard login page.

`/task/*`

Associated with the servlet named `TaskServlet`. While the associated `TaskServlet.java` file is rarely used, any URL entered prior to login defaults to the standard login page.

`/agentconfig/*`

Associated with the servlet named `AgentConfigurationServlet`. The associated `AgentConfigurationServlet` class is called by the `amAccessControl.xml` file, which suggests that it can be configured from the console from Realms > *Realm Name* > Agents. It is rarely used otherwise. any URL entered prior to login defaults to the standard login page.

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

`/ccversion/*`

Associated with the servlet named `click-servlet`. There is no associated `click-servlet.java` or `ClickServlet.java` file.

`/federation/*`

Associated with the servlet named `FSServlet`. While the associated `FSServlet.java` file is rarely used, the URL prior to login defaults to the standard login page.

`/webservices/*`

Used by the `WSServlet.java` and `SecurityTokenService.java` files. If you are using web services and/or the Security Token Service (STS), you may want to keep this in place.

`/sts/*`

Associated with the STS. Be aware, this endpoint exposes basic service and port information for STS, Metadata Exchange (MEX), Simple Object Access Protocol 1.1 (SOAP11), and Web Service Definition Language (WSDL) endpoints without requiring authentication.

`/audit/*`

Associated with the servlet named `AuditServlet`.

6.24. REST API Endpoints

The *OpenAM Developer's Guide* describes the OpenAM REST API endpoints in detail. For more information, see the following:

"Using the REST API" in the *Developer's Guide*

How to use the OpenAM REST APIs for direct integration between web client applications and OpenAM, including REST API versioning, token encoding, authentication, logout, and logging.

"RESTful Authorization and Policy Management Services" in the *Developer's Guide*

How to use the OpenAM REST APIs for authorization and policy management.

"RESTful OAuth 2.0, OpenID Connect 1.0 and UMA 1.0 Services" in the *Developer's Guide*

How to use the OpenAM REST APIs for OAuth 2.0 and OpenID Connect 1.0.

"RESTful User Self-Service" in the *Developer's Guide*

How to use the OpenAM REST APIs for user self-registration and forgotten password reset.

"RESTful Identity and Realm Management Services" in the *Developer's Guide*

How to use the OpenAM REST APIs for managing OpenAM identities and realms.

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

"RESTful Script Management" in the *Developer's Guide*

How to use the OpenAM REST APIs to manage OpenAM scripts.

"RESTful Troubleshooting Information Recording" in the *Developer's Guide*

How to use the OpenAM REST APIs to record information that can help you troubleshoot OpenAM.

"*Working With the Security Token Service*" in the *Developer's Guide*

How to use the OpenAM REST APIs to manage OpenAM's Security Token Service, which lets you bridge identities across web and enterprise identity access management (IAM) systems through its token transformation process.

6.25. Well-Known Endpoints

The endpoints described in this section are Well-Known URIs supported by OpenAM.

`/.well-known/openid-configuration`

Exposes OpenID Provider configuration by HTTP GET as specified by OpenID Connect Discovery 1.0. No query string parameters are required.

`/uma/.well-known/uma-configuration`

Exposes User-Managed Access (UMA) configuration by HTTP GET as specified by UMA Profile of OAuth 2.0. No query string parameters are required.

For an example, see *Discovering User-Managed Access Configuration* in the *Developer's Guide*.

`/.well-known/webfinger`

Allows a client to retrieve the provider URL for an end user by HTTP GET as specified by OpenID Connect Discovery 1.0.

For an example, see "Configuring OpenAM For OpenID Connect Discovery" in the *Administration Guide*.

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

Chapter 7

XUI Configuration Parameters

The configuration of the XUI is based on settings in the `ThemeConfiguration.js` file. This file can be found in the `/path/to/webapps/openam/XUI/config/` directory. The file contains a full configuration for the mandatory `default` theme. Additional themes should use a duplicate of the default theme's configuration. Any parameters that are not configured will inherit values from the mandatory `default` theme.

The available parameters for each theme in the file are as follows:

- `themes`: Title; also represents an array of theme objects.
  - *name*: Theme title.
    - `stylesheets`: An ordered array of URLs to CSS stylesheet files that are applied to every page. It is highly recommended to include `"css/structure.css"` as one of the entries to provide default styles for layout and structure.

      For example: `["css/myTheme.css", "css/structure.css"]`
    - `path`: A relative path to a directory containing `templates` or `partials` directories, used for customizing the default layout of XUI pages.

      For more information, see "Customizing XUI Layout" in the *Installation Guide*.
    - `icon`: URL to a resource to use as a favicon.
    - `settings`: Configuration settings for the theme. Missing parameters inherit their value from the mandatory `default` theme.
      - `logo`: Parameters for the logo displayed on user profile pages.
        - `src`: Filename of the logo.
        - `title`: HTML `title` attribute of the logo.
        - `alt`: HTML `alt` attribute of the logo.
        - `height`: Logo height in CSS notation. For example: `75px` or `10%`.
        - `width`: Logo width in CSS notation. For example: `150px` or `25%`.
      - `loginLogo`: Parameters for the logo displayed on login pages.

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

- `src`: Filename of the logo.
- `title`: HTML `title` attribute of the logo.
- `alt`: HTML `alt` attribute of the logo.
- `height`: Logo height in CSS notation. For example: `75px` or `10%`.
- `width`: Logo width in CSS notation. For example: `150px` or `25%`.

- `footer`: Parameters to display in the footer of each XUI page.
  - `mailto`: Email address.
  - `phone`: Telephone number.

For more information, see "Theming the XUI" in the *Installation Guide*.

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

Chapter 8

Core Token Service (CTS) Object Identifiers

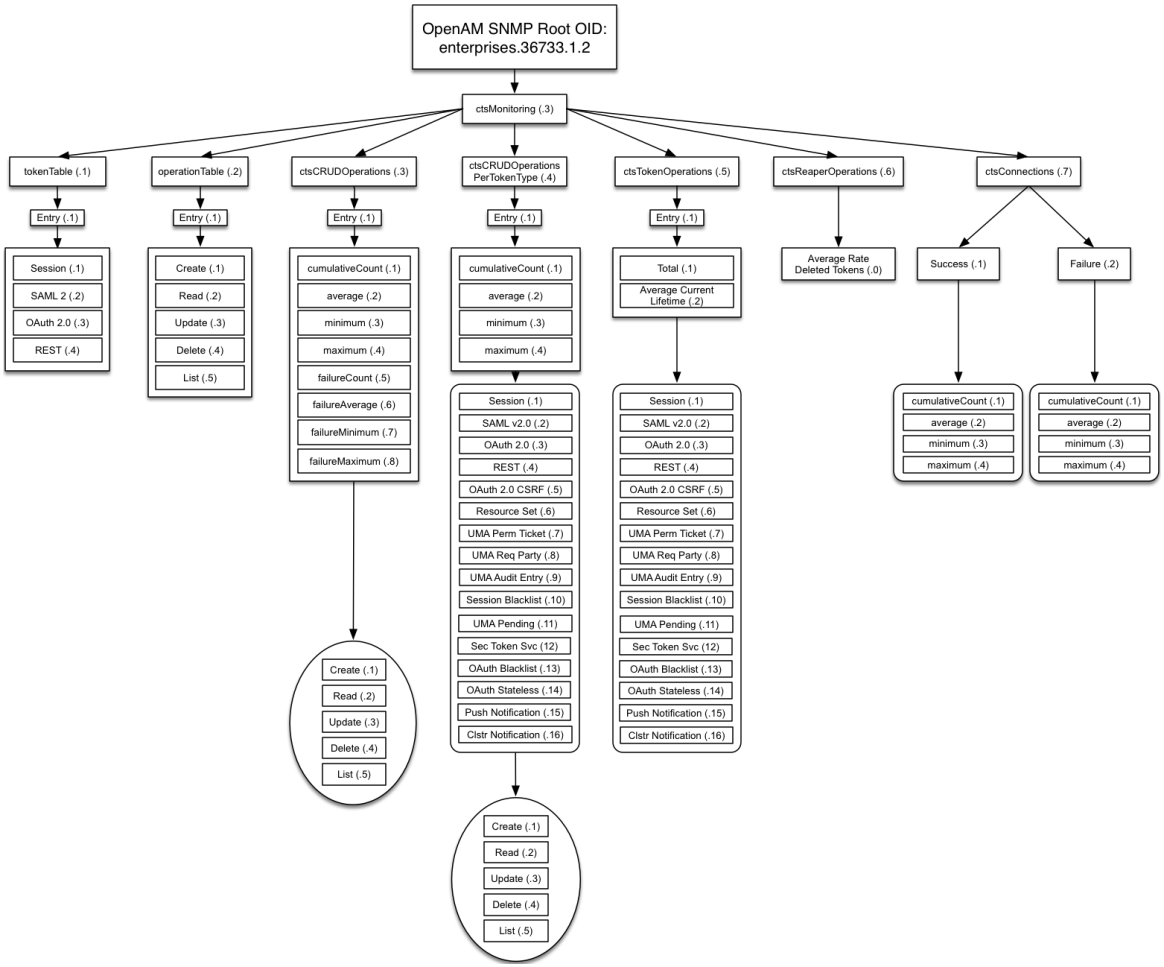
The OIDs related to SNMP monitoring of CTS follow guidance described in RFC 1271.

The OIDs listed in this section include the prefix assigned to ForgeRock, `enterprises.36733`. They also include the entries associated with OpenAM (1), SNMP (2), and CTS monitoring (3): `1.2.3`.

Therefore, the root OID for all CTS monitored components is `enterprises.36733.1.2.3`. All individual monitored CTS components are suffixes that are consistent with the image shown here.

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

CTS Token Type OIDs



8.1. CTS Token Type OIDs

The table below shows how OIDs are split into different token types. Do not forget the prefix. For example, the complete OID for monitoring SAML v2.0 tokens is `enterprises.36733.1.2.3.1.1.2`

The options for the token table are shown in the following table. For example, the token table OID for SAML v2.0 is based on the entries associated with ForgeRock, `enterprises.36733`, OpenAM `1`, SNMP `2`, CTS Monitoring `3`, token table `1`, entry `1`, and SAML v2.0 `2`, which is `enterprises.36733.1.2.3.1.1.2`.

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

CTS Monitoring OID Categories

OID, by Token Type	Description
`enterprises.36733.1.2.3.1.1.1`	Session
`enterprises.36733.1.2.3.1.1.2`	SAML v2.0
`enterprises.36733.1.2.3.1.1.3`	OAuth 2.0
`enterprises.36733.1.2.3.1.1.4`	REST
`enterprises.36733.1.2.3.1.1.5`	OAuth 2.0 CSRF Protection
`enterprises.36733.1.2.3.1.1.6`	Resource Set
`enterprises.36733.1.2.3.1.1.7`	UMA Permission Ticket
`enterprises.36733.1.2.3.1.1.8`	UMA Requesting Party
`enterprises.36733.1.2.3.1.1.9`	UMA Audit Entry
`enterprises.36733.1.2.3.1.1.10`	Session Blacklist
`enterprises.36733.1.2.3.1.1.11`	UMA Pending Request
`enterprises.36733.1.2.3.1.1.12`	Security Token Service
`enterprises.36733.1.2.3.1.1.13`	OAuth 2.0 Blacklist
`enterprises.36733.1.2.3.1.1.14`	OAuth 2.0 Stateless
`enterprises.36733.1.2.3.1.1.15`	Push Notification
`enterprises.36733.1.2.3.1.1.16`	Cluster-wide Notification

8.2. CTS Monitoring Operation Types

OIDs related to CTS monitoring operations are based on basic CRUD operations (plus list).

The options for the operation table are shown in the following table.

CTS Monitoring Operation Types

OID, by Operation	Description
`enterprises.36733.1.2.3.2.1.1`	Create
`enterprises.36733.1.2.3.2.1.2`	Read
`enterprises.36733.1.2.3.2.1.3`	Update
`enterprises.36733.1.2.3.2.1.4`	Delete
`enterprises.36733.1.2.3.2.1.5`	List

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

8.3. CTS Monitoring Entry Data Types

CTS monitoring entries use the following data types:

`Counter64`

A 64-bit, unsigned integer type.

`Counter64` is a standard data type returned by SNMP OIDs. For more information, see Structure of Management Information Version 2.

`Float2dp`

A floating point number with the value `d-2` in the `DISPLAY-HINT` clause. SNMP clients that handle the `DISPLAY-HINT` clause will correctly display the value as a floating point number with two decimal places. Other types of clients that do not handle the `DISPLAY-HINT` clause will incorrectly display the value as an integer that is one hundred times larger than the correct value.

`Float2dp` is a custom data type returned by some ForgeRock CTS OIDs.

8.4. CTS CRUD Operation Entries

The OIDs in this table relate to all CRUD (and list) operations.

The options for the CRUD operations table are shown in the following tables. Each value is associated with CRUD and list operations.

CTS CRUD Operation Entries

OID, by Operation Entry	Data Type	Description
`enterprises.36733.1.2.3.3.1.1`	`Counter64`	Cumulative count
`enterprises.36733.1.2.3.3.1.2`	`Float2dp`	Average (in period)
`enterprises.36733.1.2.3.3.1.3`	`Counter64`	Minimum (in period)
`enterprises.36733.1.2.3.3.1.4`	`Counter64`	Maximum (in period)
`enterprises.36733.1.2.3.3.1.5`	`Counter64`	Cumulative failure count
`enterprises.36733.1.2.3.3.1.6`	`Float2dp`	Average failures (in period)
`enterprises.36733.1.2.3.3.1.7`	`Counter64`	Minimum failures (in period)

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

OID, by Operation Entry	Data Type	Description
enterprises.36733.1.2.3.3.1.8	Counter64	Maximum failures (in period)

Each of the options in this table can be divided into CRUD and list related operations. The suffix OID for such operations is as follows:

- 1: Create
- 2: Read
- 3: Update
- 4: Delete
- 5: List

For example, since the OID for cumulative count is `enterprises.36733.1.2.3.3.1.1`, the OID for the cumulative count of delete operations is `enterprises.36733.1.2.3.3.1.1.4`

CTS CRUD Operation Table Cumulative Operations

Cumulative Count Operations OID	Data Type	Description
enterprises.36733.1.2.3.3.1.1.1	Counter64	Cumulative count of CREATE operations
enterprises.36733.1.2.3.3.1.1.2	Counter64	Cumulative count of READ operations
enterprises.36733.1.2.3.3.1.1.3	Counter64	Cumulative count of UPDATE operations
enterprises.36733.1.2.3.3.1.1.4	Counter64	Cumulative count of DELETE operations
enterprises.36733.1.2.3.3.1.1.5	Counter64	Cumulative count of LIST operations

CTS CRUD Operation Table Average Operations (In Period)

Average Number Operations OID	Data Type	Description
enterprises.36733.1.2.3.3.1.2.1	Float2dp	Average number of CREATE operations (in period)
enterprises.36733.1.2.3.3.1.2.2	Float2dp	Average number of READ operations (in period)
enterprises.36733.1.2.3.3.1.2.3	Float2dp	Average number of UPDATE operations (in period)

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

Average Number Operations OID	Data Type	Description
enterprises.36733.1.2.3.3.1.2.4	Float2dp	Average number of DELETE operations (in period)
enterprises.36733.1.2.3.3.1.2.5	Float2dp	Average number of LIST operations (in period)

CTS CRUD Operation Table Minimum Operations (In Period)

Minimum Number Operations OID	Data Type	Description
enterprises.36733.1.2.3.3.1.3.1	Counter64	Minimum number of CREATE operations (in period)
enterprises.36733.1.2.3.3.1.3.2	Counter64	Minimum number of READ operations (in period)
enterprises.36733.1.2.3.3.1.3.3	Counter64	Minimum number of UPDATE operations (in period)
enterprises.36733.1.2.3.3.1.3.4	Counter64	Minimum number of DELETE operations (in period)
enterprises.36733.1.2.3.3.1.3.5	Counter64	Minimum number of LIST operations (in period)

CTS CRUD Operation Table Maximum Operations (In Period)

Maximum Number Operations OID	Data Type	Description
enterprises.36733.1.2.3.3.1.4.1	Counter64	Maximum number of CREATE operations (in period)
enterprises.36733.1.2.3.3.1.4.2	Counter64	Maximum number of READ operations (in period)
enterprises.36733.1.2.3.3.1.4.3	Counter64	Maximum number of UPDATE operations (in period)
enterprises.36733.1.2.3.3.1.4.4	Counter64	Maximum number of DELETE operations (in period)
enterprises.36733.1.2.3.3.1.4.5	Counter64	Maximum number of LIST operations (in period)

CTS CRUD Operation Table Cumulative Failure Operations

Cumulative Failure Operations OID	Data Type	Description
enterprises.36733.1.2.3.3.1.5.1	Counter64	Cumulative Failure of CREATE operations (in period)

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

Cumulative Failure Operations OID	Data Type	Description
enterprises.36733.1.2.3.3.1.5.2	Counter64	Cumulative Failure of READ operations (in period)
enterprises.36733.1.2.3.3.1.5.3	Counter64	Cumulative Failure of UPDATE operations (in period)
enterprises.36733.1.2.3.3.1.5.4	Counter64	Cumulative Failure of DELETE operations (in period)
enterprises.36733.1.2.3.3.1.5.5	Counter64	Cumulative Failure of LIST operations (in period)

CTS CRUD Operation Table Average Failure Operations in Period

Average Number, Failure Operations OID	Data Type	Description
enterprises.36733.1.2.3.3.1.6.1	Float2dp	Average number of CREATE operations failures (in period)
enterprises.36733.1.2.3.3.1.6.2	Float2dp	Average number of READ operations failures (in period)
enterprises.36733.1.2.3.3.1.6.3	Float2dp	Average number of UPDATE operations failures (in period)
enterprises.36733.1.2.3.3.1.6.4	Float2dp	Average number of DELETE operations failures (in period)
enterprises.36733.1.2.3.3.1.6.5	Float2dp	Average number of LIST operations failures (in period)

CTS CRUD Operation Table Minimum Operations Failures in Period

Minimum Number, Operations Failures OID	Data Type	Description
enterprises.36733.1.2.3.3.1.7.1	Counter64	Minimum number of CREATE operations failures (in period)
enterprises.36733.1.2.3.3.1.7.2	Counter64	Minimum number of READ operations failures (in period)
enterprises.36733.1.2.3.3.1.7.3	Counter64	Minimum number of UPDATE operations failures (in period)
enterprises.36733.1.2.3.3.1.7.4	Counter64	Minimum number of DELETE operations failures (in period)
enterprises.36733.1.2.3.3.1.7.5	Counter64	Minimum number of LIST operations failures (in period)

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

CTS CRUD Operation Table Maximum Operations Failures in Period

Maximum Number, Operations Failures OID	Data Type	Description
`enterprises.36733.1.2.3.3.1.8.1`	`Counter64`	Maximum number of CREATE operations failures (in period)
`enterprises.36733.1.2.3.3.1.8.2`	`Counter64`	Maximum number of READ operations failures (in period)
`enterprises.36733.1.2.3.3.1.8.3`	`Counter64`	Maximum number of UPDATE operations failures (in period)
`enterprises.36733.1.2.3.3.1.8.4`	`Counter64`	Maximum number of DELETE operations failures (in period)
`enterprises.36733.1.2.3.3.1.8.5`	`Counter64`	Maximum number of LIST operations failures (in period)

8.5. CTS CRUD Operations Per Token Type

OIDs that start with `enterprises.36733.1.2.3.4.1` are labels for CTS CRUD operations per token type.

Tokens of each type can be created, read, updated, deleted, and listed. Each of these types can be measured cumulatively. They can also be measured over a period of time (default=10 seconds), as an average, minimum, and maximum.

OID suffixes for CRUD operations are defined according to the following rules.

The first part of the OID is `enterprises.36733.1.2.3.4.1`.

The next OID suffix specifies a metric:

CTS CRUD Operation Metrics

OID Suffix	Data Type	Metric
1	`Counter64`	Cumulative count
2	`Float2dp`	Average (in period)
3	`Counter64`	Minimum (in period)
4	`Counter64`	Maximum (in period)

The next OID suffix specifies a token type:

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

CTS CRUD Operation Token Types

OID Suffix	Token Type
1	Session
2	SAML v2.0
3	OAuth 2
4	REST
5	OAuth 2.0 CSRF Protection
6	Resource Set
7	UMA Permission Ticket
8	UMA Requesting Party
9	UMA Audit Entry
10	Session Blacklist
11	UMA Pending Request
12	Security Token Service
13	OAuth 2.0 Blacklist
14	OAuth 2.0 Stateless
15	Push Notification
16	Cluster-wide Notification

The final OID suffix specifies an operation:

CTS CRUD Operations

OID Suffix	Operation
1	Create
2	Read
3	Update
4	Delete
5	List

The following examples illustrate OID construction for CTS CRUD operations per token type.

OID Examples for CTS CRUD Operations Per Token Type

OID	Data Type	Description
`enterprises.36733.1.2.3.4.1.1.1.3`	`Counter64`	Cumulative count of updated Session tokens

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

OID	Data Type	Description
enterprises.36733.1.2.3.4.1.4.3.4	Counter64	Maximum deleted OAuth 2.0 tokens (in period)
enterprises.36733.1.2.3.4.1.2.10.5	Float2dp	Average listed Session Blacklist tokens (in period)

8.6. CTS Token Operation Status

The CTS token OIDs defined in this section specify the total number of tokens of each type and their average current lifetimes.

The options for token operations are shown in the following tables. Total and average current lifetimes are associated with each CTS token type.

CTS Total Tokens, by Type

Total Tokens, by Type	Data Type	Description
enterprises.36733.1.2.3.5.1.1.1	Counter64	Total number of Session tokens
enterprises.36733.1.2.3.5.1.1.2	Counter64	Total number of SAML v2.0 tokens
enterprises.36733.1.2.3.5.1.1.3	Counter64	Total number of OAuth 2.0 tokens
enterprises.36733.1.2.3.5.1.1.4	Counter64	Total number of REST tokens
enterprises.36733.1.2.3.5.1.1.5	Counter64	Total number of OAuth 2.0 CSRF Protection tokens
enterprises.36733.1.2.3.5.1.1.6	Counter64	Total number of Resource Set tokens
enterprises.36733.1.2.3.5.1.1.7	Counter64	Total number of UMA Permission Ticket tokens
enterprises.36733.1.2.3.5.1.1.8	Counter64	Total number of UMA Requesting Party tokens
enterprises.36733.1.2.3.5.1.1.9	Counter64	Total number of UMA Audit Entry tokens
enterprises.36733.1.2.3.5.1.1.10	Counter64	Total number of Session Blacklist tokens
enterprises.36733.1.2.3.5.1.1.11	Counter64	Total number of UMA Pending Request tokens
enterprises.36733.1.2.3.5.1.1.12	Counter64	Total number of Security Token Service tokens

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

Total Tokens, by Type	Data Type	Description
enterprises.36733.1.2.3.5.1.1.13	Counter64	Total number of OAuth 2.0 Blacklist tokens
enterprises.36733.1.2.3.5.1.1.14	Counter64	Total number of OAuth 2.0 Stateless tokens
enterprises.36733.1.2.3.5.1.1.15	Counter64	Total number of Push Notification tokens
enterprises.36733.1.2.3.5.1.1.16	Counter64	Total number of Cluster-wide Notification tokens

CTS Token Average Lifetime, by Type

Average Token Lifetime, by Type	Data Type	Description
enterprises.36733.1.2.3.5.1.2.1	Counter64	Average lifetime of Session tokens in seconds
enterprises.36733.1.2.3.5.1.2.2	Counter64	Average lifetime of SAML v2.0 tokens in seconds
enterprises.36733.1.2.3.5.1.2.3	Counter64	Average lifetime of OAuth 2.0 tokens in seconds
enterprises.36733.1.2.3.5.1.2.4	Counter64	Average lifetime of REST tokens in seconds
enterprises.36733.1.2.3.5.1.2.5	Counter64	Average lifetime of OAuth 2.0 CSRF Protection tokens in seconds
enterprises.36733.1.2.3.5.1.2.6	Counter64	Average lifetime of Resource Set tokens in seconds
enterprises.36733.1.2.3.5.1.2.7	Counter64	Average lifetime of UMA Permission Ticket tokens in seconds
enterprises.36733.1.2.3.5.1.2.8	Counter64	Average lifetime of UMA Requesting Party tokens in seconds
enterprises.36733.1.2.3.5.1.2.9	Counter64	Average lifetime of UMA Audit Entry tokens in seconds
enterprises.36733.1.2.3.5.1.2.10	Counter64	Average lifetime of Session Blacklist tokens in seconds
enterprises.36733.1.2.3.5.1.2.11	Counter64	Average lifetime of UMA Pending Request tokens in seconds
enterprises.36733.1.2.3.5.1.2.12	Counter64	Average lifetime of Security Token Service tokens in seconds
enterprises.36733.1.2.3.5.1.2.13	Counter64	Average lifetime of OAuth 2.0 Blacklist tokens in seconds
enterprises.36733.1.2.3.5.1.2.14	Counter64	Average lifetime of OAuth 2.0 Stateless tokens in seconds

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

Average Token Lifetime, by Type	Data Type	Description
enterprises.36733.1.2.3.5.1.2.15	Counter64	Average lifetime of Push Notification tokens in seconds
enterprises.36733.1.2.3.5.1.2.16	Counter64	Average lifetime of Cluster-wide Notification tokens in seconds

8.7. CTS Reaper Run Information

The CTS reaper deletes unused or expired tokens. Unless OpenAM is in a shutdown cycle, the CTS reaper is designed to run continuously. By default, the CTS reaper runs in fixed intervals, unless OpenAM is in the process of shutting down.

A single OID, `enterprises.36733.1.2.3.6.0`, relates to the CTS reaper. This OID:

- Specifies the average rate of deleted tokens per CTS reaper run
- Has the `Float2dp`data type.

8.8. CTS Connection Factory OIDs

Every request for a CTS token is a request to the `CTSConnectionFactory`. Such requests can either succeed or fail. The following OIDs provide measures for both such connections. The CTSConnectionFactory OIDs are also measured using a rate window system, similar to all the other CTS OIDs, except the CTS Reaper.

As there are no indexes required to look up the value of CTSConnectionFactory OIDs, they end in 0. Success or failure of these OIDs are not specific to any operation or token type.

The following tables list the OIDs related to the CTSConnectionFactory.

CTSConnectionFactory, Successful Connections

Successes, CTSConnectionFactory	Data Type	Description
enterprises.36733.1.2.3.7.1.1.0	Counter64	Cumulative number of successful connections
enterprises.36733.1.2.3.7.1.2.0	Float2dp	Average number of successful connections (in period)
enterprises.36733.1.2.3.7.1.3.0	Counter64	Minimum number of successful connections (in period)
enterprises.36733.1.2.3.7.1.4.0	Counter64	Maximum number of successful connections (in period)

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

CTSConnectionFactory, Failed Connections

Failures, CTSConnectionFactory	Data Type	Description
`enterprises.36733.1.2.3.7.2.1.0`	`Counter64`	Cumulative number of failed connections
`enterprises.36733.1.2.3.7.2.2.0`	`Float2dp`	Average number of failed connections (in period)
`enterprises.36733.1.2.3.7.2.3.0`	`Counter64`	Minimum number of failed connections (in period)
`enterprises.36733.1.2.3.7.2.4.0`	`Counter64`	Maximum number of failed connections (in period)

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

Chapter 9

Log Files and Messages

This chapter gives information about the different log files and messages for OpenAM's classic Logging Service, which is based on the Java SDK.

Note

OpenAM 13.0.0 introduces a new Audit Logging Service, which is an audit logging framework common across all ForgeRock products. Both logging services are available in OpenAM 13.5.2-15, but the classic Logging Service will be deprecated in a future release.

9.1. Log Files

This section describes the different OpenAM log files.

9.1.1. Audit Log Files

This chapter describes OpenAM audit log files:

Audit logs record information about OpenAM events. You can adjust the amount of detail in the administrative logs under Configuration > System > Logging.

amAuthentication.access

Contains log data for when users log into and out of OpenAM, including failed authentications

amAuthentication.error

Contains log data about errors encountered when users login and out of OpenAM

amConsole.access

Contains data about actions run as the administrator in the console, including changes to realms and policies

amConsole.error

Contains data on errors encountered during administrator sessions

amPasswordReset.access

Contains data about password resets

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

amPolicy.access

Contains data about authorization actions permitted by policies, including policy creation, removal, or modification

amPolicy.error

Contains data on errors encountered during actions related to the policy

amPolicyDelegation.access

Contains data about actions as part of the policy delegation, including any changes to the delegation

amRemotePolicy.access

Contains data about policies accessed remotely

amRest.access

Contains data about access to REST endpoints

amRest.authz

Contains data about authorizations to access REST endpoints

amSSO.access

Contains data about user sessions, including times of access, session time outs, session creation, and session termination for stateful sessions; contains data about session creation and session termination for stateless sessions

CoreToken.access

Contains data about actions run against the core token

CoreToken.error

Contains data on errors encountered regarding the core token

COT.access

Contains data about the circle of trust

COT.error

Contains data on errors encountered for the circle of trust

Entitlement.access

Contains data about entitlement actions or changes

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

IDFF.access

Contains data about federation actions, including the creation of authentication domains or the hosted providers

IDFF.error

Contains data on errors encountered during federation actions

Liberty.access

Contains data about actions run for the federation Liberty schema

Liberty.error

Contains data on errors encountered for the federation Liberty schema

OAuth2Provider.access

Contains data about actions for the OAuth 2.0 provider

OAuth2Provider.error

Contains data about errors encountered by the OAuth 2.0 provider

SAML2.access

Contains data about SAML 2 actions, including changes to assertions, artifacts, response, and requests

SAML2.error

Contains data about errors encountered during SAML 2 actions

SAML.access

Contains data about SAML actions, including changes to assertions, artifacts, response, and requests

SAML.error

Contains data about errors encountered during SAML actions

ssoadm.access

Contains data about actions completed for SSO as admin

WebServicesSecurity.access

Contains data about activity for Web Services Security

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

WebServicesSecurity.error

Contains data on errors encountered by Web Services Security

WSFederation.access

Contains data about activity for WS Federation, including changes and access information

WSFederation.error

Contains data on errors encountered during WS Federation

9.1.2. Debug Log Files

Debug log files provide information to help troubleshoot OpenAM problems.

The number of messages that OpenAM logs to the debug log files varies depends on the debug logging level. The default debug logging level is Error. With other logging levels, such as Warning and Message, OpenAM logs many more debug log messages and creates many more debug log files than it does by default.

When configured with the Message logging level, OpenAM can produce more than a hundred debug log files. Use the debug log file names to determine the type of troubleshooting information in each file. For example, the OpenAM command-line interface logs debug messages to the `amCLI` debug file. The OpenAM OAuth2 provider logs debug messages to the `OAuth2Provider` debug file. The OpenAM Naming Service logs messages to the `amNaming` debug file.

For information about configuring the location and verbosity of debug log files, see the section on *Debug Logging* in the *Administration Guide* in the *OpenAM Administration Guide*.

9.2. Log Messages

This section describes OpenAM log messages.

OpenAM logs the following COT messages.

INVALID_COT_NAME

ID: COT-1

Level: INFO

Description: Invalid circle of trust name.

Data: Realm or organization name, Circle of Trust Name

Triggers: Accessing the circle of trust.

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

Actions: Check the name and retry accessing the circle of trust.

CONFIG_ERROR_MODIFY_COT_DESCRIPTOR

ID: COT-2

Level: INFO

Description: Configuration error modifying the circle of trust.

Data: Error message, Name of the circle of trust, Realm or organization name

Triggers: Modifying the circle of trust.

Actions: Check COT debug , fmCOT, for more detailed error message.

CONFIG_ERROR_GET_ALL_COT_DESCRIPTOR

ID: COT-3

Level: INFO

Description: Error retreiving all circle of trusts.

Data: Error message, Realm or organization name

Triggers: Getting all circle of trust.

Actions: Check configuration; check debug for more detailed error message.

NO_COT_NAME_CREATE_COT_DESCRIPTOR

ID: COT-4

Level: INFO

Description: Invalid name , error creating the circle of trust.

Data: Realm or organization name

Triggers: Creating the circle of trust.

Actions: Check the name to create circle of trust descriptor.

COT_EXISTS_CREATE_COT_DESCRIPTOR

ID: COT-5

Level: INFO

Description: Circle of Trust exists.

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

Data: Name of the circle of trust, Realm or organization name

Triggers: Creating the circle of trust.

Actions: Create Circle of Trust with a unique name.

INVALID_COT_TYPE

ID: COT-6

Level: INFO

Description: Circle of Trust Type is invalid

Data: Realm or organization name, Circle of Trust Type

Triggers: Creating the circle of trust.

Actions: The values for Circle of Trust type are IDFF , SAML2. Create Circle of Trust using either of these values.

CONFIG_ERROR_CREATE_COT_DESCRIPTOR

ID: COT-7

Level: INFO

Description: Configuration error while creating circle of trust.

Data: Error message, Entity ID, Realm or organization name

Triggers: Create circle of trust.

Actions: Check the fmCOT debug file for detailed errors.

COT_DESCRIPTOR_CREATED

ID: COT-8

Level: INFO

Description: Circle of trust created.

Data: Name of the circle of trust, Realm or organization name

Triggers: Creating the circle of trust.

NULL_COT_NAME_ADD_COT_DESCRIPTOR

ID: COT-9

Level: INFO

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

Description: Circle of Trust name is null, error adding to circle of trust.

Data: Realm or organization name

Triggers: Adding to the circle of trust.

Actions: Check the name of the circle of trust.

NULL_ENTITYID_ADD_COT_DESCRIPTOR

ID: COT-10

Level: INFO

Description: Entity Identifier is null , cannot add entity to circle of trust

Data: Realm or organization name

Triggers: Adding to the circle of trust.

Actions: Check the value of entity id.

CONFIG_ERROR_ADD_COT_MEMBER

ID: COT-11

Level: INFO

Description: Error adding entity to the circle of trust.

Data: Error message, Name of the circle of trust, Entity Id, Realm or organization name

Triggers: Adding entity to circle of trust.

Actions: Check COT debug for more detailed error message.

NO_COT_NAME_REMOVE_COT_MEMBER

ID: COT-12

Level: INFO

Description: Null circle of trust name.

Data: Realm or organization name

Triggers: Removing member from the circle of trust.

Actions: Check the name of the circle of trust.

NULL_ENTITYID_REMOVE_COT_MEMBER

ID: COT-13

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

Level: INFO

Description: Null entity identifier.

Data: Name of the circle of trust, Realm or organization name

Triggers: Removing member from the circle of trust.

Actions: Check the value of the entity identifier.

CONFIG_ERROR_REMOVE_COT_MEMBER

ID: COT-14

Level: INFO

Description: Error while removing entity from the circle of trust.

Data: Error message, Name of the circle of trust, Entity Id, Realm or organization name

Triggers: Removing entity identifier from the circle of trust.

Actions: Check COT debug for more detailed error message.

NULL_COT_NAME_LIST_COT

ID: COT-15

Level: INFO

Description: Null circle of trust name.

Data: Realm or organization name

Triggers: Listing entities in Circle of Trust

Actions: Check the name of the circle of trust.

CONFIG_ERROR_LIST_COT_MEMBER

ID: COT-16

Level: INFO

Description: Error listing providers in the circle of trust.

Data: Error message, Name of the circle of trust, Realm or organization name

Triggers: Listing providers in the circle of trust.

Actions: Check COT debug for more detailed error message.

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

CONFIG_ERROR_DELETE_COT_DESCRIPTOR

ID: COT-17

Level: INFO

Description: Error while deleting the circle of trust.

Data: Error message, Name of the circle of trust, Realm or organization name

Triggers: Deleting the circle of trust.

Actions: Check COT debug for more detailed error message.

INVALID_NAME_ERROR_DELETE_COT_DESCRIPTOR

ID: COT-18

Level: INFO

Description: Invalid name, cannot delete circle of trust.

Data: Circle of Trust Name, Realm or organization name

Triggers: Deleting the circle of trust.

Actions: Check the circle of trust name and retry deletion.

HAS_ENTITIES_DELETE_COT_DESCRIPTOR

ID: COT-19

Level: INFO

Description: Cannot delete circle of trust which has entities.

Data: Circle of Trust Name, Realm or organization name

Triggers: Deleting the circle of trust.

Actions: Remove all entities from the circle of trust and retry deletion.

INVALID_COT_TYPE_DELETE_COT_DESCRIPTOR

ID: COT-20

Level: INFO

Description: Invalid type cannot delete circle of trust.

Data: Realm or organization name, Circle of Trust Name, Circle of Trust Type

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

Triggers: Deleting the circle of trust.

Actions: Specify correct Circle of Trust type and retry delete.

COT_DESCRIPTOR_DELETED

ID: COT-21

Level: INFO

Description: Circle of trust deleted.

Data: Name of the circle of trust, Realm or organization name

Triggers: Deleting the circle of trust.

COT_FROM_CACHE

ID: COT-22

Level: FINE

Description: Retrieved the circle of trust from cache.

Data: Name of the circle of trust, Realm or organization name

Triggers: Retreived the circle of trust from cache.

CONFIG_ERROR_GET_COT_DESCRIPTOR

ID: COT-23

Level: INFO

Description: Error while getting the circle of trust from data store.

Data: Error message, Name of the circle of trust, Realm or organization name

Triggers: Retreiving the circle of trust

Actions: Check configuration; check debug for more detailed error message.

CONFIG_ERROR_RETREIVE_COT

ID: COT-24

Level: INFO

Description: Error determining an entity is in a circle of trust.

Data: Error message, Name of the circle of trust, ID of an entity, Realm or organization name

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

Triggers: Determining an entity is in a circle of trust.

Actions: Check debug for more detailed error message.

COT_DESCRIPTOR_RETRIEVED

ID: COT-25

Level: INFO

Description: Retrieved the circle of trust descriptor.

Data: Name of the circle of trust, Realm or organization name

Triggers: Retrieving the circle of trust under a realm.

OpenAM logs the following IDFF messages.

WRITE_ACCOUNT_FED_INFO

ID: IDFF-14

Level: INFO

Description: Write Account Federation Info

Data: user DN, federation info key, federation info value

Triggers: Acccount Federation Info with key was added to user

REMOVE_ACCOUNT_FED_INFO

ID: IDFF-15

Level: INFO

Description: Remove Account Federation Info

Data: user DN, provider id, existing federation info key

Triggers: Account federation info with key and provider ID was removed from user

CREATE_ASSERTION

ID: IDFF-16

Level: FINER

Description: Create Assertion

Data: assertion id or string

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

Triggers: Assertion Created

LOGOUT_REQUEST_PROCESSING_FAILED

ID: IDFF-18

Level: INFO

Description: Logout Request processing failed.

Data: message

Triggers: Logout Request processing failed

TERMINATION_REQUEST_PROCESSING_FAILED

ID: IDFF-19

Level: INFO

Description: Termination request processing failed

Data: message

Triggers: Termination request processing failed

FAILED_SOAP_URL_END_POINT_CREATION

ID: IDFF-20

Level: INFO

Description: Failed in creating SOAP URL End point.

Data: soap end point url

Triggers: Failed in creating SOAP URL End point

MISMATCH_AUTH_TYPE_AND_PROTOCOL

ID: IDFF-21

Level: INFO

Description: Mismatched AuthType and the protocol (based on SOAPUrl).

Data: protocol, authentication type

Triggers: AuthType and the protocol (based on SOAPUrl) do not match.

WRONG_AUTH_TYPE

ID: IDFF-22

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

Level: INFO

Description: Wrong Authentication type

Data: authentication type

Triggers: Wrong Authentication type

SOAP_RECEIVER_URL

ID: IDFF-23

Level: FINER

Description: SAML SOAP Receiver URL

Data: soap url

Triggers: SAML SOAP Receiver URL

INVALID_SOAP_RESPONSE

ID: IDFF-24

Level: INFO

Description: SOAP Response is Invalid

Data: message

Triggers: SOAP Response is Invalid.

INVALID_ASSERTION

ID: IDFF-25

Level: INFO

Description: Assertion is invalid

Data: message

Triggers: This Assertion is invalid

SINGLE_SIGNON_FAILED

ID: IDFF-26

Level: INFO

Description: Single SignOn Failed

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

Data: message

Triggers: Single SignOn Failed

ACCESS_GRANTED_REDIRECT_TO

ID: IDFF-27

Level: INFO

Description: Redirect to URL after granting access.

Data: redirect url

Triggers: Redirecting to URL after granting access.

MISSING_AUTHN_RESPONSE

ID: IDFF-28

Level: INFO

Description: Authentication Response is missing

Data: message

Triggers: Authentication Response not found

ACCOUNT_FEDERATION_FAILED

ID: IDFF-29

Level: INFO

Description: Account Federation Failed

Data: message

Triggers: Account Federation Failed

FAILED_SSO_TOKEN_GENERATION

ID: IDFF-30

Level: INFO

Description: SSOToken Generation Failed

Data: message

Triggers: Failed to generate SSOToken

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

INVALID_AUTHN_RESPONSE

ID: IDFF-31

Level: INFO

Description: Authentication Response is invalid

Data: invalid authentication response

Triggers: Authentication Response is invalid

AUTHN_REQUEST_PROCESSING_FAILED

ID: IDFF-32

Level: INFO

Description: Authentication Request processing failed

Data: message

Triggers: Authentication Request processing failed.

SIGNATURE_VERIFICATION_FAILED

ID: IDFF-33

Level: INFO

Description: Signature Verification Failed.

Data: message

Triggers: Signature Verification Failed.

CREATE_SAML_RESPONSE

ID: IDFF-34

Level: INFO

Description: Created SAML Response

Data: sending saml response to remote server's IP address, saml response or response ID and InResponseTo ID

Triggers: Created SAML Response

REDIRECT_TO

ID: IDFF-35

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

Level: FINER

Description: Redirect URL

Data: redirect url

Triggers: Redirect to :

COMMON_DOMAIN_META_DATA_NOT_FOUND

ID: IDFF-36

Level: INFO

Description: Common Domain Service Information not found

Data: message

Triggers: Common Domain Service Information not found.

PROVIDER_NOT_TRUSTED

ID: IDFF-37

Level: INFO

Description: Provider is not trusted

Data: provider id

Triggers: Provider is not trusted.

INVALID_AUTHN_REQUEST

ID: IDFF-38

Level: INFO

Description: Authentication Request is invalid

Data: message

Triggers: Authentication Request is invalid

USER_ACCOUNT_FEDERATION_INFO_NOT_FOUND

ID: IDFF-39

Level: INFO

Description: Account Federation Information not found for user

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

Data: user name

Triggers: Account Federation Information not found for user :

USER_NOT_FOUND

ID: IDFF-40

Level: INFO

Description: User not found.

Data: user name

Triggers: User not found.

LOGOUT_PROFILE_NOT_SUPPORTED

ID: IDFF-41

Level: INFO

Description: Logout profile not supported.

Data: logout profile

Triggers: Logout profile not supported.

Actions: Verify metadata is correct.

LOGOUT_SUCCESS

ID: IDFF-42

Level: INFO

Description: Logout is successful.

Data: user name

Triggers: Logout is successful.

LOGOUT_REDIRECT_FAILED

ID: IDFF-43

Level: INFO

Description: Logout failed to redirect due to incorrect URL.

Data: message

Triggers: Logout failed to redirect due to incorrect URL.

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

LOGOUT_FAILED_REQUEST_IMPROPER

ID: IDFF-44

Level: INFO

Description: Logout request not formed properly.

Data: user name

Triggers: Logout request not formed properly.

LOGOUT_FAILED_INVALID_HANDLER

ID: IDFF-45

Level: INFO

Description: Failed to get Pre/Logout handler.

Data: logout url

Triggers: Failed to get Pre/Logout handler.

LOGOUT_FAILED

ID: IDFF-46

Level: INFO

Description: Single logout failed.

Data: user name

Triggers: Single logout failed.

REGISTRATION_FAILED_SP_NAME_IDENTIFIER

ID: IDFF-47

Level: INFO

Description: Failed to create SPProvidedNameIdentifier.

Data: message

Triggers: Failed to create SPProvidedNameIdentifier.

INVALID_SIGNATURE

ID: IDFF-48

Level: INFO

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

Description: Invalid Signature.

Data: message

Triggers: Invalid Signature.

TERMINATION_FAILED

ID: IDFF-49

Level: INFO

Description: Federation Termination failed.

Data: user name

Triggers: Federation Termination failed. Cannot update account.

TERMINATION_SUCCESS

ID: IDFF-50

Level: INFO

Description: Federation Termination succeeded.

Data: userDN

Triggers: Federation Termination succeeded. User account updated.

INVALID_RESPONSE

ID: IDFF-51

Level: INFO

Description: Response is Invalid

Data: saml response

Triggers: SAML Response is Invalid.

INVALID_PROVIDER

ID: IDFF-52

Level: INFO

Description: Invalid Provider Registration.

Data: provider id, Realm or Organization Name

Triggers: Invalid Provider.

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

ERROR_GET_IDFF_META_INSTANCE

ID: IDFF-61

Level: INFO

Description: Error getting Configuration instance.

Data: message

Triggers: Trying to initialize IDFF Metadata configuration.

Actions: Check if the Data Repository has the IDFFMetaData Service. If it is not present then it wil need to be loading using the FM Administration command. Check the Administration Guide on how to load services.

NULL_ENTITY_DESCRIPTOR

ID: IDFF-62

Level: INFO

Description: EntityDescriptor is null.

Data: message

Triggers: Trying to create EntityDescriptor.

Actions: Pass a valid non-null EntityDescriptorElement object to the IDFFMetaManager:createEntityDescriptor method.

NULL_ENTITY_ID

ID: IDFF-63

Level: INFO

Description: Entity Identifier in the EntityDescriptor is null.

Data: message

Triggers: Trying to create, modify, retrieve or delete EntityDescriptor or extended Entity Config.

Actions: The EntityDescriptor Element passed should have the Entity Identifier , this is the "providerID" attribute in the IDFF MetaData schema.

CREATE_ENTITY_SUCCEEDED

ID: IDFF-64

Level: INFO

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

Description: Creating of Entity Descriptor succeeded.

Data: Entity ID, Realm or Organization Name

Triggers: EntityDescriptor is stored in the data repository.

CREATE_ENTITY_FAILED

ID: IDFF-65

Level: INFO

Description: Storing of IDFF Meta Data in the repository failed.

Data: Entity ID, Realm or Organization Name

Triggers: Trying to create EntityDescriptor.

Actions: Check the IDFF Meta Data Debug "libIDFFMeta" for specific errors. Check if the data repository exists and is accessible. Check if the IDFF Meta Data Service exists in the data repository.

UNSUPPORTED_OPERATION

ID: IDFF-66

Level: INFO

Description: Unsupported operation.

Data: message

Triggers: Trying to create, modify or delete EntityDescriptor or extended EntityConfig.

Actions: Check the System Configuration Implementation to find out how IDFF Meta Data can be stored in the repository.

INVALID_ENTITY_DESCRIPTOR

ID: IDFF-67

Level: INFO

Description: The EntityDescriptor object is not valid.

Data: Entity ID, Realm or Organization Name

Triggers: Trying to retrieve or modify EntityDescriptor.

Actions: Check the EntityDescriptor Element is valid and follows the IDFF Standard Meta Data Schema Description.

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

GET_ENTITY_FAILED

ID: IDFF-68

Level: INFO

Description: Retrieval of Entity Configuration failed.

Data: Entity ID, Realm or Organization Name

Triggers: EntityDescriptor is retrieved.

Actions: Check if the entity identifier is correct.

GET_ENTITY_SUCCEEDED

ID: IDFF-69

Level: INFO

Description: Retrieval of Entity Descriptor succeeded.

Data: Entity ID, Realm or Organization Name

Triggers: Entity Configuration is returned to the requester.

SET_ENTITY_FAILED

ID: IDFF-70

Level: INFO

Description: Storing of Entity Configuration failed.

Data: Entity ID, Realm or Organization Name

Triggers: Trying to modify IDFF Standard Meta data.

Actions: Check if the entity identifier is correct.; Check if the data repository exists and is accessible.

SET_ENTITY_SUCCEEDED

ID: IDFF-71

Level: INFO

Description: Modifying Entity Descriptor succeeded.

Data: Entity ID, Realm or Organization Name

Triggers: Entity Descriptor is modified in the data repository.

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

DELETE_ENTITY_SUCCEEDED

ID: IDFF-72

Level: INFO

Description: Deleting of IDFF Standard Meta Data succeeded.

Data: Entity ID, Realm or Organization Name

Triggers: IDFF Standard Meta data for the entity is deleted in the data repository.

DELETE_ENTITY_FAILED

ID: IDFF-73

Level: INFO

Description: Deleting of Standard Metadata for entity identifier failed.

Data: Entity ID, Realm or Organization Name

Triggers: Trying to delete IDFF Standard Meta data for the entity.

Actions: Check if the entity identifier is correct.; Check if the data repository exists and is accessible

NULL_ENTITY_CONFIG

ID: IDFF-74

Level: INFO

Description: Extended Entity Configuration is null.

Data: message

Triggers: Trying to create IDFF extended Meta data.

Actions: Check the validity of the extended entity configuration.

ENTITY_CONFIG_NOT_FOUND

ID: IDFF-75

Level: INFO

Description: Entity Configuration could not be found.

Data: Entity ID, Realm or Organization Name

Triggers: Trying to create IDFF extended Meta data.

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

Actions: Check the validity of the entity configuration.

ENTITY_CONFIG_EXISTS

ID: IDFF-76

Level: INFO

Description: Creation of Extended Entity Configuration failed since it already exists.

Data: Entity ID, Realm or Organization Name

Triggers: Trying to create IDFF extended Meta data.

Actions: Cannot create entity configuration if it already exists. If new attributes are to be set in the extended entity configuration then use the setConfiguration method or delete the existing entity configuration and then try create again.

GET_ENTITY_CONFIG_FAILED

ID: IDFF-77

Level: INFO

Description: Failed to get entity configuration.

Data: Entity ID, Realm or Organization Name

Triggers: Trying to retrieve IDFF extended Meta data.

Actions: Check the IDFF Meta Data Debug "libIDFFMeta" for specific errors.

GET_ENTITY_CONFIG_SUCCEEDED

ID: IDFF-78

Level: INFO

Description: Retrieval of Entity Configuration succeeded.

Data: Entity ID, Realm or Organization Name

Triggers: Entity Configuration is retrieved from the data repository

SET_ENTITY_CONFIG_SUCCEEDED

ID: IDFF-79

Level: INFO

Description: Extended Entity Configuration was modified.

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

Data: Entity ID, Realm or Organization Name

Triggers: Extended Entity Configuration is modified in the data repository

SET_ENTITY_CONFIG_FAILED

ID: IDFF-80

Level: INFO

Description: Failed to modify Extended Entity Configuration.

Data: Entity ID, Realm or Organization Name

Triggers: Extended Entity Configuration is modified in the data repository

Actions: Check the IDFF Meta Data Debug "libIDFFMeta" for specific errors.

CREATE_ENTITY_CONFIG_SUCCEEDED

ID: IDFF-81

Level: INFO

Description: Extended Entity Configuration was created.

Data: Entity ID, Realm or Organization Name

Triggers: Extended Entity Configuration is stored in the data repository

CREATE_ENTITY_CONFIG_FAILED

ID: IDFF-82

Level: INFO

Description: Storing of IDFF Extended Configuration in the repository failed.

Data: Entity ID, Realm or Organization Name

Triggers: Trying to create Extended Entity Configuration.

Actions: Check the IDFF Meta Data Debug "libIDFFMeta" for specific errors.; Check if the data repository exists and is accessible.; Check if the IDFF Meta Data Service exists in the data repository.

INVALID_ENTITY_CONFIG

ID: IDFF-83

Level: INFO

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

Description: The Extended Entity Configuration is invalid.

Data: Entity ID, Realm or Organization Name

Triggers: Trying to create, modify or retrieve Extended Entity Configuration.

Actions: Check the Extended Entity Configuration is valid and retry creating the entity config.

GET_ALL_ENTITIES_SUCCEEDED

ID: IDFF-84

Level: INFO

Description: Retrieve all Entity Descriptors succeeded.

Data: message

Triggers: Retrieve all Entity Descriptors

GET_ALL_ENTITIES_FAILED

ID: IDFF-85

Level: INFO

Description: Failed to get all Entity Descriptors.

Data: message

Triggers: Retrieve all Entity Descriptors

Actions: Check the IDFF Meta Data Debug "libIDFFMeta" for specific errors.; Check if the data repository exists and is accessible.; Check if the IDFF Meta Data Service exists in the data repository.

GET_ENTITY_NAMES_SUCCEEDED

ID: IDFF-86

Level: INFO

Description: Retrieve names of all Entities.

Data: message

Triggers: Retrieve names of all Entities.

GET_ENTITY_NAMES_FAILED

ID: IDFF-87

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

Level: INFO

Description: Failed to get names for all Entities.

Data: message

Triggers: Retrieving names of all Entities.

Actions: Check the IDFF Meta Data Debug "libIDFFMeta" for specific errors.; Check if the data repository exists and is accessible.; Check if the IDFF Meta Data Service exists in the data repository.

GET_HOSTED_ENTITIES_SUCCEEDED

ID: IDFF-88

Level: INFO

Description: Retrieve all hosted Entities succeeded.

Data: message

Triggers: Retrieving all hosted Entities.

GET_HOSTED_ENTITIES_FAILED

ID: IDFF-89

Level: INFO

Description: Failed to get all hosted Entities.

Data: message

Triggers: Retrieving all hosted Entities.

Actions: Check the IDFF Meta Data Debug "libIDFFMeta" for specific errors.; Check if the data repository exists and is accessible.; Check if the IDFF Meta Data Service exists in the data repository.

GET_REMOTE_ENTITIES_SUCCEEDED

ID: IDFF-90

Level: INFO

Description: Retrieval of all remote Entities succeeded.

Data: message

Triggers: Retrieve all remote Entities.

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

GET_REMOTE_ENTITIES_FAILED

ID: IDFF-91

Level: INFO

Description: Failed to get all remote Entities.

Data: message

Triggers: Retrieving all remote Entities.

Actions: Check the IDFF Meta Data Debug "libIDFFMeta" for specific errors.; Check if the data repository exists and is accessible.; Check if the IDFF Meta Data Service exists in the data repository.

GET_HOSTED_SERVICE_PROVIDERS_SUCCEEDED

ID: IDFF-92

Level: INFO

Description: Retrieval of all hosted services providers succeeded.

Data: message

Triggers: Retrieving all hosted services providers.

GET_REMOTE_SERVICE_PROVIDERS_SUCCEEDED

ID: IDFF-93

Level: INFO

Description: Retrieval of all remote services providers succeeded.

Data: message

Triggers: Retrieve all remote services providers.

GET_HOSTED_IDENTITY_PROVIDERS_SUCCEEDED

ID: IDFF-94

Level: INFO

Description: Retrieval of all hosted identity providers succeeded.

Data: message

Triggers: Retrieve all hosted identity providers.

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

GET_REMOTE_IDENTITY_PROVIDERS_SUCCEEDED

ID: IDFF-95

Level: INFO

Description: Retrieval of all remote identity providers succeeded.

Data: message

Triggers: Retrieve all remote identity providers.

IS_AFFILIATE_MEMBER_SUCCEEDED

ID: IDFF-96

Level: INFO

Description: Checking Affiliation member succeeded.

Data: Entity ID, Affiliation ID, Realm or Organization Name

Triggers: Checks if the provider is a member of the Affiliation.

NO_ENTITY_CONFIG_TO_DELETE

ID: IDFF-97

Level: INFO

Description: No entity configuration to delete.

Data: Entity ID, Realm or Organization Name

Triggers: Delete Entity Configuration.

Actions: Check the entityID to make sure the Entity Configuration does exist.

DELETE_ENTITY_CONFIG_FAILED

ID: IDFF-98

Level: INFO

Description: Failed to delete entity configuration.

Data: Entity ID, Realm or Organization Name

Triggers: Delete Entity Configuration.

Actions: Check the IDFF Meta Data Debug "libIDFFMeta" for specific errors.; Check if the data repository exists and is accessible.; Check if the IDFF Meta Data Service exists in the data repository.

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

DELETE_ENTITY_CONFIG_SUCCEEDED

ID: IDFF-99

Level: INFO

Description: Entity configuration deleted successfully.

Data: Entity ID, Realm or Organization Name

Triggers: Delete Entity Configuration.

ENTITY_DOES_NOT_EXISTS

ID: IDFF-100

Level: INFO

Description: Entity does not exist.

Data: Entity ID, Realm or Organization Name

Triggers: Delete Entity Descriptor.

Actions: Check to make sure you have the right entity ID.; Check if the data repository exists and is accessible.; Check if the IDFF Meta Data Service exists in the data repository.

CREATE_AUTHN_RESPONSE

ID: IDFF-101

Level: INFO

Description: Created Authn Response

Data: saml response or response ID and InResponseTo ID

Triggers: Created SAML Response

SENT_AUTHN_RESPONSE

ID: IDFF-102

Level: INFO

Description: Sent Authn Response

Data: Service provider's assertion consumer service URL, response ID and InResponseTo ID

Triggers: Sent Authn Response

OpenAM logs the following LIBERTY messages.

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

AS_Abort

ID: LIBERTY-1

Level: INFO

Description: Unable to process SASL Request

Data: message id, authentication mechanism, authorization id, advisory authentication id

Triggers: Unable to process SASL Request.

AS_OK

ID: LIBERTY-2

Level: INFO

Description: SASL Response Ok

Data: message id, authentication mechanism, authorization id, advisory authentication id

Triggers: SASL Response Ok.

AS_Continue

ID: LIBERTY-3

Level: INFO

Description: Return SASL Authenticaton Response

Data: message id, authentication mechanism, authorization id, advisory authentication id

Triggers: Returned SASL Response , continue Authentication.

DS_Lookup_Failure

ID: LIBERTY-4

Level: INFO

Description: User not found in Data store

Data: user name

Triggers: User not found in Data store

DS_Lookup_Success

ID: LIBERTY-5

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

Level: INFO

Description: User found in Data Store

Data: user name

Triggers: User found in Data Store

DS_Update_Failure

ID: LIBERTY-6

Level: INFO

Description: Cannot locate user from resourceID

Data: resourceID

Triggers: Cannot locate user from resourceID

DS_Update_Success

ID: LIBERTY-7

Level: INFO

Description: Successfully updated user profile

Data: user name

Triggers: Successfully updated user profile

PP_Query_Failure

ID: LIBERTY-8

Level: INFO

Description: UnAuthorized. Failed to Query Personal Profile Service

Data: resource id

Triggers: Failed to Query Personal Profile Service

PP_Interaction_Failure

ID: LIBERTY-9

Level: INFO

Description: Interaction Failed

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

Data: resource id

Triggers: Interaction with Personal Profile Service Failed

PP_Query_Success

ID: LIBERTY-10

Level: INFO

Description: Successfully queried PP Service

Data: resource id

Triggers: Personal Profile Service Query Succeeded

PP_Modify_Failure

ID: LIBERTY-11

Level: INFO

Description: Modify Failure

Data: resource id

Triggers: Failed to modify Personal Profile Service

PP_Modify_Success

ID: LIBERTY-12

Level: INFO

Description: Modify Success

Data: resource id

Triggers: Personal Profile Service Successfully modified.

PP_Interaction_Success

ID: LIBERTY-13

Level: INFO

Description: Interaction Successful

Data: successful interaction message

Triggers: Successful interaction with Personal Profile Service

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

IS_Sending_Message

ID: LIBERTY-14

Level: INFO

Description: Sending Message

Data: request message id

Triggers: Sending SOAP Request Message to WSP.

IS_Returning_Response_Message

ID: LIBERTY-15

Level: INFO

Description: Returning Response Message

Data: response message id, request message id

Triggers: Returning Response Message for SOAP Request.

IS_Resending_Message

ID: LIBERTY-16

Level: INFO

Description: Resending Message

Data: message id

Triggers: Resending SOAP Request Message to WSP

IS_Redirected_User_Agent

ID: LIBERTY-17

Level: INFO

Description: Interaction manager redirecting user agent to interaction service

Data: request message id

Triggers: Interaction manager redirecting user agent to interaction service

IS_Returning_Response_Element

ID: LIBERTY-18

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

Level: INFO

Description: Interaction manager returning response element

Data: message id, reference message id, cache entry status

Triggers: Interaction manager returning response element

IS_Presented_Query_To_User_Agent

ID: LIBERTY-19

Level: INFO

Description: Interaction query presented to user agent

Data: message id

Triggers: Interaction query presented to user agent

IS_Collected_Response_From_User_Agent

ID: LIBERTY-20

Level: INFO

Description: User agent responded to interaction query

Data: message id

Triggers: User agent responded to interaction query

IS_Redirected_User_Agent_Back

ID: LIBERTY-21

Level: INFO

Description: User agent redirected back to SP

Data: message id

Triggers: User agent redirected back to SP

WS_Success

ID: LIBERTY-22

Level: INFO

Description: Webservices Success

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

Data: message id, handler key

Triggers: Webservices success.

WS_Failure

ID: LIBERTY-23

Level: INFO

Description: Webservices Failure

Data: error message

Triggers: Webservices Failure.

OpenAM logs the following SAML2 messages.

INVALID_SP

ID: SAML2-1

Level: INFO

Description: Invalid Service Provider Identifier

Data: Service Provider Entity Identifier

Triggers: Invalid Service Provider,cannot process request

Actions: Check the Service Provider Name.

INVALID_IDP

ID: SAML2-2

Level: INFO

Description: Invalid Identity Provider Identifier

Data: Identity Provider Entity Identifier

Triggers: Invalid Identity Provider,cannot process request

Actions: Check the Identity Provider Name.

SP_METADATA_ERROR

ID: SAML2-3

Level: INFO

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

Description: Unable to retreive Service Provider Metadata.

Data: Service Provider Entity Identifier

Triggers: Cannot retrieve Service Provider Metadata

Actions: Check the Data Store is accessible .; Check the Realm name.; Check the Service Provider Entity Identifier.

IDP_METADATA_ERROR

ID: SAML2-4

Level: INFO

Description: Unable to retrieve Identity Provider Metadata.

Data: Identity Provider Entity Identifier

Triggers: Cannot retreive Identity Provider Metadata

Actions: Check the Data Store is accessible .; Check the Realm name.; Check the Identity Provider Entity Identifier.

SSO_NOT_FOUND

ID: SAML2-5

Level: INFO

Description: Unable to retrieve SingleSignOnService URL.

Data: Identity Provider Entity Identifier

Triggers: Error retreiving SingleSignOnService URL.

Actions: Check the Data Store is accessible .; Check the Realm name.; Check the Identity Provider Entity Identifier.

REDIRECT_TO_SP

ID: SAML2-6

Level: INFO

Description: Redirecting to SingleSignOnService

Data: SingleSignOnService URL

Triggers: Sending Authentication Request by redirecting to Single SignOn Service URL.

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

RESPONSE_NOT_FOUND_FROM_CACHE

ID: SAML2-7

Level: INFO

Description: Unable to retrieve Response using Response ID after local login.

Data: Response ID

Triggers: Response doesn't exist in the SP cache.

Actions: Check the SP cache clean up interval configuration.

MISSING_ARTIFACT

ID: SAML2-8

Level: INFO

Description: Unable to retrieve Artifact from HTTP Request.

Triggers: SAMLart is missing from HTTP Request

Actions: Check with sender.; Check web container server log.

RECEIVED_ARTIFACT

ID: SAML2-9

Level: INFO

Description: Received Artifact from HTTP Request.

Data: Artifact value

Triggers: Received Artifact from HTTP Request in the process of Single Sign On using Artifact Profile.

IDP_NOT_FOUND

ID: SAML2-10

Level: INFO

Description: Unable to find Identity Provider Entity ID based on the SourceID in Artifact.

Data: Artifact value, Realm or organization name

Triggers: No matching Identity Provider Entity ID found in meta data configuration.

Actions: Check if Identity Provider's meta data is loaded.

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

IDP_META_NOT_FOUND

ID: SAML2-11

Level: INFO

Description: Unable to load Identity Provider's meta data.

Data: Realm or organization name, Identity Provider Entity ID

Triggers: Unable to load Identity Provider's meta data.

Actions: Check Identity Provider Entity ID.; Check Realm or organization name.; Check if the identity provider's meta is loaded.

ARTIFACT_RESOLUTION_URL_NOT_FOUND

ID: SAML2-12

Level: INFO

Description: Unable to find Identity Provider's Artifact resolution service URL.

Data: Identity Provider Entity ID

Triggers: Artifact resolution service URL is not defined in Identity Provider's metadata.

Actions: Check Identity Provider's meta data.

CANNOT_CREATE_ARTIFACT_RESOLVE

ID: SAML2-13

Level: INFO

Description: Unable to create ArtifactResolve.

Data: Hosted Service Provider Entity ID, Artifact value

Triggers: Error when creating ArtifactResolve instance.

Actions: Check implementation of ArtifactResolve.

CANNOT_GET_SOAP_RESPONSE

ID: SAML2-14

Level: INFO

Description: Unable to obtain response from SOAP communication with Identity Provider's artifact resolution service.

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

Data: Hosted Service Provider Entity ID, Identity Provider's Artifact Resolution Service URL

Triggers: Error in SOAP communication.

Actions: Check Identity Provider's Artifact Resolution Service URL.; Check SOAP message authentication requirements for Identity Provider's Artifact Resolution Service.

GOT_RESPONSE_FROM_ARTIFACT

ID: SAML2-15

Level: INFO

Description: Obtained response using artifact profile.

Data: Hosted Service Provider Entity ID, Remote Identity Provider Entity ID, Artifact value, Response xml String if the log level was set to LL_FINE at run time

Triggers: Single Sign On using Artifact Profile.

SOAP_ERROR

ID: SAML2-16

Level: INFO

Description: Unable to obtain Artifact Response due to SOAP error.

Data: Identity Provider Entity ID

Triggers: Error in SOAP communication.

Actions: Check configuration for Identity Provider

SOAP_FAULT

ID: SAML2-17

Level: INFO

Description: Received SOAP Fault instead of Artifact Response.

Data: Identity Provider Entity ID

Triggers: Error in Identity Provider's Artifact Resolution.

Actions: Check Identity Provider; Check debug file for detailed fault info.

TOO_MANY_ARTIFACT_RESPONSE

ID: SAML2-18

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

Level: INFO

Description: Received too many Artifact Response.

Data: Identity Provider Entity ID

Triggers: Identity Provider sent more than one Artifact Response in SOAPMessage.

Actions: Check Identity Provider

CANNOT_INSTANTIATE_ARTIFACT_RESPONSE

ID: SAML2-19

Level: INFO

Description: Unable to instantiate Artifact Response.

Data: Identity Provider Entity ID

Triggers: Error while instantiating Artifact Response.

Actions: Check Identity Provider; Check debug message for detailed error.

MISSING_ARTIFACT_RESPONSE

ID: SAML2-20

Level: INFO

Description: Unable to obtain Artifact Response from SOAP message.

Data: Identity Provider Entity ID

Triggers: No ArtifactResponse is included in SOAPMessage.

Actions: Check Identity Provider

ARTIFACT_RESPONSE_INVALID_SIGNATURE

ID: SAML2-21

Level: INFO

Description: Unable to verify signature on Artifact Response.

Data: Identity Provider Entity ID

Triggers: Error while trying to verify signature on ArtifactResponse.

Actions: Check configuration for Identity Provider; Check debug file for detailed info

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

ARTIFACT_RESPONSE_INVALID_INRESPONSETO

ID: SAML2-22

Level: INFO

Description: Invalid InResponseTo attribute in Artifact Response.

Data: Identity Provider Entity ID

Triggers: InResponseTo attribute in Artifact Response is missing or doesn't match with Artifact Resolve ID.

Actions: Check with Identity Provider

ARTIFACT_RESPONSE_INVALID_ISSUER

ID: SAML2-23

Level: INFO

Description: Invalid Issuer in Artifact Response.

Data: Identity Provider Entity ID

Triggers: Issuer in Artifact Response is missing or doesn't match with Identity Provider Entity ID.

Actions: Check with Identity Provider

ARTIFACT_RESPONSE_INVALID_STATUS_CODE

ID: SAML2-24

Level: INFO

Description: Invalid status code in Artifact Response.

Data: Identity Provider Entity ID, Status code if the log level was set to LL_FINE at runtime

Triggers: Status in Artifact Response is missing or status code is not Success.

Actions: Check with Identity Provider

CANNOT_INSTANTIATE_RESPONSE_ARTIFACT

ID: SAML2-25

Level: INFO

Description: Unable to instantiate Respones from Artifact Response.

Data: Identity Provider Entity ID

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

Triggers: Error occurred while instantiating Response.

Actions: Check debug file for detailed error.

MISSING_SAML_RESPONSE_FROM_POST

ID: SAML2-26

Level: INFO

Description: SAML Response is missing from http post.

Triggers: Parameter SAMLResponse is missing from http POST.

CANNOT_INSTANTIATE_RESPONSE_POST

ID: SAML2-27

Level: INFO

Description: Unable to instantiate Response from POST.

Triggers: Error occurred while instantiating Response.

Actions: Check debug file for more info

CANNOT_DECODE_RESPONSE

ID: SAML2-28

Level: INFO

Description: Unable to decode Response.

Triggers: Error occurred while decoding Response.

Actions: Check debug file for more info

GOT_RESPONSE_FROM_POST

ID: SAML2-29

Level: INFO

Description: Obtained response using POST profile.

Data: Response xml String if the log level was set to LL_FINE at runtime

Triggers: Single Sign On using POST Profile.

FED_INFO_WRITTEN

ID: SAML2-30

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

Level: INFO

Description: Written federation info.

Data: Username, NameIDInfo value string if the log level was set to LL_FINE at runtime

Triggers: Federation is done.

REDIRECT_TO_IDP

ID: SAML2-31

Level: INFO

Description: Redirect request to IDP.

Data: redirection url

Triggers: Single logout.

NO_ACS_URL

ID: SAML2-32

Level: INFO

Description: Unable to find Assertion Consumer Service URL.

Data: meta alias

Triggers: Single Sign On.

NO_RETURN_BINDING

ID: SAML2-33

Level: INFO

Description: Unable to find return binding.

Data: meta alias

Triggers: Single Sign On.

POST_TO_TARGET_FAILED

ID: SAML2-34

Level: INFO

Description: Unable to post the response to target.

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

Data: Assertion Consumer Service URL

Triggers: Single Sign On with POST binding.

CANNOT_CREATE_ARTIFACT

ID: SAML2-35

Level: INFO

Description: Unable to create an artifact.

Data: IDP entity ID

Triggers: Single Sign On with Artifact binding.

RECEIVED_AUTHN_REQUEST

ID: SAML2-36

Level: INFO

Description: Received AuthnRequest.

Data: SP entity ID, IDP meta alias, authnRequest xml string

Triggers: Single Sign On.

POST_RESPONSE

ID: SAML2-37

Level: INFO

Description: Post response to SP.

Data: SP entity ID, IDP meta alias, response xml string

Triggers: Single Sign On with POST binding.

SEND_ARTIFACT

ID: SAML2-38

Level: INFO

Description: Send an artifact to SP.

Data: IDP entity ID, IDP realm, redirect URL

Triggers: Single Sign On with Artifact binding.

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

INVALID_SOAP_MESSAGE

ID: SAML2-39

Level: INFO

Description: Encounter invalid SOAP message in IDP.

Data: IDP entity ID

Triggers: Single Sign On with Artifact binding.

ARTIFACT_RESPONSE

ID: SAML2-40

Level: INFO

Description: The artifact response being sent to SP.

Data: IDP entity ID, artifact string, artifact response

Triggers: Single Sign On with Artifact binding.

GOT_ENTITY_DESCRIPTOR

ID: SAML2-41

Level: FINE

Description: Entity descriptor obtained.

Data: Entity ID, Realm or organization name

Triggers: Obtain entity descriptor.

INVALID_REALM_GET_ENTITY_DESCRIPTOR

ID: SAML2-42

Level: INFO

Description: Invaid realm while getting entity descriptor.

Data: Realm or organization name

Triggers: Obtain entity descriptor.

Actions: Check the Realm name.

GOT_INVALID_ENTITY_DESCRIPTOR

ID: SAML2-43

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

Level: INFO

Description: Obtained invalid entity descriptor.

Data: Entity ID, Realm or organization name

Triggers: Obtain entity descriptor.

Actions: Delete invalid entity descriptor and import it again.

CONFIG_ERROR_GET_ENTITY_DESCRIPTOR

ID: SAML2-44

Level: INFO

Description: Configuration error while getting entity descriptor.

Data: Error message, Entity ID, Realm or organization name

Triggers: Obtain entity descriptor.

Actions: Check debug message for detailed error.

NO_ENTITY_ID_SET_ENTITY_DESCRIPTOR

ID: SAML2-45

Level: INFO

Description: No entity ID while setting entity descriptor.

Data: Realm or organization name

Triggers: Set entity descriptor.

Actions: Set entity ID in entity descriptor.

INVALID_REALM_SET_ENTITY_DESCRIPTOR

ID: SAML2-46

Level: INFO

Description: Invaid realm while setting entity descriptor.

Data: Realm or organization name

Triggers: Set entity descriptor.

Actions: Check the Realm name.

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

NO_ENTITY_DESCRIPTOR_SET_ENTITY_DESCRIPTOR

ID: SAML2-47

Level: INFO

Description: Entity descriptor doesn't exist while setting entity descriptor.

Data: Entity ID, Realm or organization name

Triggers: Set entity descriptor.

Actions: Create entity descriptor before set.

SET_ENTITY_DESCRIPTOR

ID: SAML2-48

Level: INFO

Description: Entity descriptor was set.

Data: Entity ID, Realm or organization name

Triggers: Set entity descriptor.

CONFIG_ERROR_SET_ENTITY_DESCRIPTOR

ID: SAML2-49

Level: INFO

Description: Configuration error while setting entity descriptor.

Data: Error message, Entity ID, Realm or organization name

Triggers: Set entity descriptor.

Actions: Check debug message for detailed error.

SET_INVALID_ENTITY_DESCRIPTOR

ID: SAML2-50

Level: INFO

Description: Invalid entity descriptor to set.

Data: Entity ID, Realm or organization name

Triggers: Set entity descriptor.

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

Actions: Check entity descriptor if it follows the schema.

NO_ENTITY_ID_CREATE_ENTITY_DESCRIPTOR

ID: SAML2-51

Level: INFO

Description: No entity ID while creating entity descriptor.

Data: Realm or organization name

Triggers: Create entity descriptor.

Actions: Set entity ID in entity descriptor.

INVALID_REALM_CREATE_ENTITY_DESCRIPTOR

ID: SAML2-52

Level: INFO

Description: Invaid realm while creating entity descriptor.

Data: Realm or organization name

Triggers: Create entity descriptor.

Actions: Check the Realm name.

ENTITY_DESCRIPTOR_EXISTS

ID: SAML2-53

Level: INFO

Description: Entity descriptor exists while creating entity descriptor.

Data: Entity ID, Realm or organization name

Triggers: Create entity descriptor.

Actions: Delete existing entity descriptor first.

ENTITY_DESCRIPTOR_CREATED

ID: SAML2-54

Level: INFO

Description: Entity descriptor was created.

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

Data: Entity ID, Realm or organization name

Triggers: Create entity descriptor.

CONFIG_ERROR_CREATE_ENTITY_DESCRIPTOR

ID: SAML2-55

Level: INFO

Description: Configuration error while creating entity descriptor.

Data: Error message, Entity ID, Realm or organization name

Triggers: Create entity descriptor.

Actions: Check debug message for detailed error.

CREATE_INVALID_ENTITY_DESCRIPTOR

ID: SAML2-56

Level: INFO

Description: Invalid entity descriptor to create.

Data: Entity ID, Realm or organization name

Triggers: Create entity descriptor.

Actions: Check entity descriptor if it follows the schema.

INVALID_REALM_DELETE_ENTITY_DESCRIPTOR

ID: SAML2-57

Level: INFO

Description: Invaid realm while deleting entity descriptor.

Data: Realm or organization name

Triggers: Delete entity descriptor.

Actions: Check the Realm name.

NO_ENTITY_DESCRIPTOR_DELETE_ENTITY_DESCRIPTOR

ID: SAML2-58

Level: INFO

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

Description: Entity descriptor doesn't exist while deleting entity descriptor.

Data: Entity ID, Realm or organization name

Triggers: Delete entity descriptor.

ENTITY_DESCRIPTOR_DELETED

ID: SAML2-59

Level: INFO

Description: Entity descriptor was deleted.

Data: Entity ID, Realm or organization name

Triggers: Delete entity descriptor.

CONFIG_ERROR_DELETE_ENTITY_DESCRIPTOR

ID: SAML2-60

Level: INFO

Description: Configuration error while deleting entity descriptor.

Data: Error message, Entity ID, Realm or organization name

Triggers: Delete entity descriptor.

Actions: Check debug message for detailed error.

GOT_ENTITY_CONFIG

ID: SAML2-61

Level: FINE

Description: Entity config obtained.

Data: Entity ID, Realm or organization name

Triggers: Obtain entity config.

INVALID_REALM_GET_ENTITY_CONFIG

ID: SAML2-62

Level: INFO

Description: Invaid realm while getting entity config.

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

Data: Realm or organization name

Triggers: Obtain entity config.

Actions: Check the Realm name.

GOT_INVALID_ENTITY_CONFIG

ID: SAML2-63

Level: INFO

Description: Obtained invalid entity config.

Data: Entity ID, Realm or organization name

Triggers: Obtain entity config.

Actions: Delete invalid entity config and import it again.

CONFIG_ERROR_GET_ENTITY_CONFIG

ID: SAML2-64

Level: INFO

Description: Configuration error while getting entity config.

Data: Error message, Entity ID, Realm or organization name

Triggers: Obtain entity config.

Actions: Check debug message for detailed error.

NO_ENTITY_ID_SET_ENTITY_CONFIG

ID: SAML2-65

Level: INFO

Description: No entity ID while setting entity config.

Data: Realm or organization name

Triggers: Set entity config.

Actions: Set entity ID in entity config.

INVALID_REALM_SET_ENTITY_CONFIG

ID: SAML2-66

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

Level: INFO

Description: Invaid realm while setting entity config.

Data: Realm or organization name

Triggers: Set entity config.

Actions: Check the Realm name.

NO_ENTITY_DESCRIPTOR_SET_ENTITY_CONFIG

ID: SAML2-67

Level: INFO

Description: Entity config doesn't exist while setting entity config.

Data: Entity ID, Realm or organization name

Triggers: Set entity config.

Actions: Create entity descriptor before set entity config.

SET_ENTITY_CONFIG

ID: SAML2-68

Level: INFO

Description: Entity config was set.

Data: Entity ID, Realm or organization name

Triggers: Set entity config.

CONFIG_ERROR_SET_ENTITY_CONFIG

ID: SAML2-69

Level: INFO

Description: Configuration error while setting entity config.

Data: Error message, Entity ID, Realm or organization name

Triggers: Set entity config.

Actions: Check debug message for detailed error.

SET_INVALID_ENTITY_CONFIG

ID: SAML2-70

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

Level: INFO

Description: Invalid entity config to set.

Data: Entity ID, Realm or organization name

Triggers: Set entity config.

Actions: Check entity config if it follows the schema.

NO_ENTITY_ID_CREATE_ENTITY_CONFIG

ID: SAML2-71

Level: INFO

Description: No entity ID while creating entity config.

Data: Realm or organization name

Triggers: Create entity config.

Actions: Set entity ID in entity config.

INVALID_REALM_CREATE_ENTITY_CONFIG

ID: SAML2-72

Level: INFO

Description: Invaid realm while creating entity config.

Data: Realm or organization name

Triggers: Create entity config.

Actions: Check the Realm name.

NO_ENTITY_DESCRIPTOR_CREATE_ENTITY_CONFIG

ID: SAML2-73

Level: INFO

Description: Entity config doesn't exist while creating entity config.

Data: Entity ID, Realm or organization name

Triggers: Create entity config.

Actions: Create entity descriptor before create entity config.

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

ENTITY_CONFIG_EXISTS

ID: SAML2-74

Level: INFO

Description: Entity config exists while creating entity config.

Data: Entity ID, Realm or organization name

Triggers: Create entity config.

Actions: Delete existing entity config first.

ENTITY_CONFIG_CREATED

ID: SAML2-75

Level: INFO

Description: Entity config was created.

Data: Entity ID, Realm or organization name

Triggers: Create entity config.

CONFIG_ERROR_CREATE_ENTITY_CONFIG

ID: SAML2-76

Level: INFO

Description: Configuration error while creating entity config.

Data: Error message, Entity ID, Realm or organization name

Triggers: Create entity config.

Actions: Check debug message for detailed error.

CREATE_INVALID_ENTITY_CONFIG

ID: SAML2-77

Level: INFO

Description: Invalid entity config to create.

Data: Entity ID, Realm or organization name

Triggers: Create entity config.

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

Actions: Check entity config if it follows the schema.

INVALID_REALM_DELETE_ENTITY_CONFIG

ID: SAML2-78

Level: INFO

Description: Invaid realm while deleting entity config.

Data: Realm or organization name

Triggers: Delete entity config.

Actions: Check the Realm name.

NO_ENTITY_CONFIG_DELETE_ENTITY_CONFIG

ID: SAML2-79

Level: INFO

Description: Entity config doesn't exist while deleting entity config.

Data: Entity ID, Realm or organization name

Triggers: Delete entity config.

Actions: Check debug message for detailed error.

ENTITY_CONFIG_DELETED

ID: SAML2-80

Level: INFO

Description: Entity config was deleted.

Data: Entity ID, Realm or organization name

Triggers: Delete entity config.

CONFIG_ERROR_DELETE_ENTITY_CONFIG

ID: SAML2-81

Level: INFO

Description: Configuration error while deleting entity config.

Data: Error message, Entity ID, Realm or organization name

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

Triggers: Delete entity config.

Actions: Check debug message for detailed error.

INVALID_REALM_GET_ALL_HOSTED_ENTITIES

ID: SAML2-82

Level: INFO

Description: Invaid realm while getting all hosted entities.

Data: Realm or organization name

Triggers: Get all hosted entities.

Actions: Check the Realm name.

CONFIG_ERROR_GET_ALL_HOSTED_ENTITIES

ID: SAML2-83

Level: INFO

Description: Configuration error while getting all hosted entities.

Data: Error message, Realm or organization name

Triggers: Get all hosted entities.

Actions: Check debug message for detailed error.

GOT_ALL_HOSTED_ENTITIES

ID: SAML2-84

Level: FINE

Description: Obtained all hosted entities.

Data: Error message, Realm or organization name

Triggers: Get all hosted entities.

INVALID_REALM_GET_ALL_REMOTE_ENTITIES

ID: SAML2-85

Level: INFO

Description: Invaid realm while getting all remote entities.

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

Data: Realm or organization name

Triggers: Get all remote entities.

Actions: Check the Realm name.

CONFIG_ERROR_GET_ALL_REMOTE_ENTITIES

ID: SAML2-86

Level: INFO

Description: Configuration error while getting all remote entities.

Data: Error message, Realm or organization name

Triggers: Get all remote entities.

Actions: Check debug message for detailed error.

GOT_ALL_REMOTE_ENTITIES

ID: SAML2-87

Level: FINE

Description: Obtained all remote entities.

Data: Error message, Realm or organization name

Triggers: Get all remote entities.

INVALID_INRESPONSETO_RESPONSE

ID: SAML2-88

Level: INFO

Description: InResponseTo attribute in Response is invalid.

Data: Response ID

Triggers: Service Provider received a Response for Single Sign On.

Actions: Check debug message for detailed error.

INVALID_ISSUER_RESPONSE

ID: SAML2-89

Level: INFO

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

Description: Issuer in Response is invalid.

Data: Hosted Entity ID, Name of Realm or organization, Response ID

Triggers: Issuer in Response is not configured or not trusted by the hosted provider

Actions: Check configuration.

WRONG_STATUS_CODE

ID: SAML2-90

Level: INFO

Description: Status code in Response was not Success.

Data: Response ID, Status code (if log level is set to LL_FINE)

Triggers: Service provider received a Response with wrong Status code. Most likely an error occurred at Identity Provider.

Actions: Check the status code. Contact Identity Provider if needed.

ASSERTION_NOT_ENCRYPTED

ID: SAML2-91

Level: INFO

Description: Assertion in Response was not encrypted.

Data: Response ID

Triggers: Service provider requested the assertion in Response to be encrypted, but it received a Response with unencrypted assertion(s).

Actions: Check configuration. Notify Identity Provider regarding the requirement.

MISSING_ASSERTION

ID: SAML2-92

Level: INFO

Description: Response had no Assertion.

Data: Response ID

Triggers: Service provider received a Response for Single Sign On, but the response contained no Assertion.

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

Actions: Check error code of the Response. Notify Identity Provider if needed.

INVALID_ISSUER_ASSERTION

ID: SAML2-93

Level: INFO

Description: Issuer in Assertion is not valid.

Data: Assertion ID

Triggers: Issuer in Assertion for single sign on was not configured at service provider, or not trusted by the service provider.

Actions: Check configuration

MISMATCH_ISSUER_ASSERTION

ID: SAML2-94

Level: INFO

Description: Issuer in Assertion didn't match the Issuer in Response or other Assertions in the Response.

Data: Assertion ID

Triggers: Service provider received Response which had mismatch Issuer inside the Assertion it contained.

Actions: Check debug message

INVALID_SIGNATURE_ASSERTION

ID: SAML2-95

Level: INFO

Description: Assertion is not signed or signature is not valid.

Data: Assertion ID

Triggers: Service provider requested the Assertion to be signed but the assertion received was not; or the signature on the Assertion received was not valid.

Actions: Check configuration; check debug for more detailed error message.

MISSING_SUBJECT_COMFIRMATION_DATA

ID: SAML2-96

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

Level: INFO

Description: SubjectConfirmationData had no Subject.

Data: Assertion ID

Triggers: Service provider received an Assertion whose SubjectConfirmationData had no Subject.

Actions: Check debug for the Assertion received. Contact Identity Provider if needed.

MISSING_RECIPIENT

ID: SAML2-97

Level: INFO

Description: SubjectConfirmationData had no Recipient.

Data: Assertion ID

Triggers: Service provider received an Assertion whose SubjectConfirmationData had no Recipient.

Actions: Check debug for the Assertion received. Contact Identity Provider if needed.

WRONG_RECIPIENT

ID: SAML2-98

Level: INFO

Description: Service Provider is not the intended recipient.

Data: Assertion ID

Triggers: Service provider received an Assertion. But the provider is not the intended recipient of the Assertion.

Actions: Check debug for the Assertion received. Check meta data. Contact Identity Provider if needed.

INVALID_TIME_SUBJECT_CONFIRMATION_DATA

ID: SAML2-99

Level: INFO

Description: Time in SubjectConfirmationData of the Assertion is invalid.

Data: Assertion ID

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

Triggers: The assertion service provider received had expired timewise.

Actions: Synchronize the time between service provider and identity provider. Increase the time skew attribute for the service provider in its entity config.

CONTAINED_NOT_BEFORE

ID: SAML2-100

Level: INFO

Description: SubjectConfirmationData of the Assertion had NotBefore.

Data: Assertion ID

Triggers: The assertion service provider received had NotBefore.

Actions: Check debug for the Assertion received. Contact identity provider if needed.

WRONG_INRESPONSETO_ASSERTION

ID: SAML2-101

Level: INFO

Description: Assertion contained wrong InResponseTo attribute.

Data: Assertion ID

Triggers: InResponseTo in Assertion is different from the one in Response. Or Assertion didn't contain InResponseTo, but Response did.

Actions: Check debug for the Assertion received. Contact identity provider if needed.

MISSING_CONDITIONS

ID: SAML2-102

Level: INFO

Description: Assertion contained no Conditions.

Data: Assertion ID

Triggers: Conditions is missing from the Single Sign On Assertion.

Actions: Check debug for the Assertion received. Contact identity provider if needed.

MISSING_AUDIENCE_RESTRICTION

ID: SAML2-103

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

Level: INFO

Description: Assertion contained no AudienceRestriction.

Data: Assertion ID

Triggers: AudienceRestriction is missing from the Single Sign On Assertion.

Actions: Check debug for the Assertion received. Contact identity provider if needed.

WRONG_AUDIENCE

ID: SAML2-104

Level: INFO

Description: Assertion contained wrong Audience.

Data: Assertion ID

Triggers: This service provider was not the intended audience of the single sign on assertion.

Actions: Check debug for the Assertion received. Check meta data. Contact identity provider if needed.

FOUND_AUTHN_ASSERTION

ID: SAML2-105

Level: INFO

Description: Found authentication assertion in the Response.

Data: Assertion ID, Subject if the log level was set to LL_FINE, SesionIndex if any

Triggers: Both the Response and Assertion(s) inside the Response are valid.

INVALID_SSOTOKEN

ID: SAML2-106

Level: INFO

Description: Invalid SSOToken found in Request.

Data: SSOToken value

Triggers: Initiate Single Logout without SSOToken.

MISSING_ENTITY

ID: SAML2-107

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

Level: INFO

Description: No entity ID is specified in Request.

Data: EntityID value

Triggers: Initiate Request without EntityID.

Actions: Specify EntityID parameter in request URL.

MISSING_META_ALIAS

ID: SAML2-108

Level: INFO

Description: No metaAlias is specified in Request.

Data: MetaAlias value

Triggers: Initiate Request without metaAlias.

Actions: Specify metaAlias parameter in request URL.

REDIRECT_TO_AUTH

ID: SAML2-109

Level: INFO

Description: Redirect request to authentication page.

Data: URL to Authentication page

Triggers: Initiate Request without SSOToken.

CANNOT_DECODE_REQUEST

ID: SAML2-110

Level: INFO

Description: Can not decode URL encoded Query parameter.

Data: URL encoded Query parameter

Triggers: Initiate to decode incorrectly URL encoded Query parameter.

CANNOT_INSTANTIATE_MNI_RESPONSE

ID: SAML2-111

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

Level: INFO

Description: Can not instantiate MNI Response with input xml.

Data: Input XML string for MNI Response

Triggers: Initiate parse MNI Response with incorrect XML string.

CANNOT_INSTANTIATE_MNI_REQUEST

ID: SAML2-112

Level: INFO

Description: Can not instantiate MNI Request with input XML.

Data: Input XML string for MNI Request

Triggers: Initiate parse MNI Request with incorrect XML string.

CANNOT_INSTANTIATE_SLO_RESPONSE

ID: SAML2-113

Level: INFO

Description: Can not instantiate SLO Response with input XML.

Data: Input XML string for SLO Response

Triggers: Initiate parse SLO Response with incorrect XML string.

CANNOT_INSTANTIATE_SLO_REQUEST

ID: SAML2-114

Level: INFO

Description: Can not instantiate SLO Request with input XML.

Data: Input XML string for SLO Request

Triggers: Initiate parse SLO Request with incorrect XML string.

MNI_REQUEST_INVALID_SIGNATURE

ID: SAML2-115

Level: INFO

Description: Can not varify signature in MNI Request.

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

Data: MNI Request with signature

Triggers: Sinature in MNI Request is incorrect.

MNI_RESPONSE_INVALID_SIGNATURE

ID: SAML2-116

Level: INFO

Description: Can not valify signature in MNI Response.

Data: MNI Response with signature

Triggers: Sinature in MNI Response is incorrect.

SLO_REQUEST_INVALID_SIGNATURE

ID: SAML2-117

Level: INFO

Description: Can not valify signature in SLO Request.

Data: SLO Request with signature

Triggers: Sinature in SLO Request is incorrect.

SLO_RESPONSE_INVALID_SIGNATURE

ID: SAML2-118

Level: INFO

Description: Can not valify signature in SLO Response.

Data: SLO Response with signature

Triggers: Sinature in SLO Response is incorrect.

NAMEID_INVALID_ENCRYPTION

ID: SAML2-119

Level: INFO

Description: Can not decrypt EncryptedID.

Data: Exception message

Triggers: Decrypt the incorrectly encrypted EncryptedID.

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

INVALID_MNI_RESPONSE

ID: SAML2-120

Level: INFO

Description: MNI Response has error status.

Data: Status message

Triggers: Requested MNI Request caused problem.

INVALID_SLO_RESPONSE

ID: SAML2-121

Level: INFO

Description: SLO Response has error status.

Data: Status message

Triggers: Requested SLO Request caused problem.

MISSING_ENTITY_ROLE

ID: SAML2-122

Level: INFO

Description: Entity Role is not specified in the request.

Data: Entity Role value

Triggers: Initiate request without Role value.

Actions: Specify Entity Role parameter in the request.

INVALID_ISSUER_REQUEST

ID: SAML2-123

Level: INFO

Description: Issuer in Request is invalid.

Data: Hosted Entity ID, Name of Realm or organization, Request ID

Triggers: Issuer in Request is not configured or not trusted by the hosted provider

Actions: Check configuration.

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

INVALID_REALM_GET_ALL_ENTITIES

ID: SAML2-124

Level: INFO

Description: Invaid realm while getting all entities.

Data: Realm or organization name

Triggers: Get all entities.

Actions: Check the Realm name.

CONFIG_ERROR_GET_ALL_ENTITIES

ID: SAML2-125

Level: INFO

Description: Configuration error while getting all entities.

Data: Error message, Realm or organization name

Triggers: Get all entities.

Actions: Check debug message for detailed error.

GOT_ALL_ENTITIES

ID: SAML2-126

Level: FINE

Description: Obtained all entities.

Data: Realm or organization name

Triggers: Get all entities.

INVALID_PEP_ID

ID: SAML2-127

Level: INFO

Description: Invalid Policy Enforcement Point (PEP) Identifier.

Data: PEP Identifier

Triggers: Cannot retrieve PEP Metadata

Actions: Provide valid PEP Identifier and retry.

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

INVALID_PDP_ID

ID: SAML2-128

Level: INFO

Description: Invalid Policy Decision Point (PDP) Identifier.

Data: PDP Identifier

Triggers: Cannot retrieve PDP Metadata

Actions: Provide valid PDP Identifier and retry.

NULL_PDP_SIGN_CERT_ALIAS

ID: SAML2-129

Level: INFO

Description: Certificate Alias is null, cannot sign the message.

Data: The realm from which the metadata was retreived., Entity Identifier for the Policy Decision Point.

Triggers: Cannot sign the message.

Actions: Check the entity's metadata to verify the certificate alias is correct.

NULL_PEP_SIGN_CERT_ALIAS

ID: SAML2-130

Level: INFO

Description: Certificate Alias is null,cannot retreive the certificate.

Data: The realm from which the metadata was retreived., Entity Identifier for the Policy Enforcement Point.

Triggers: Cannot validate the signature in the request message.

Actions: Check the entity's metadata to verify the certificate alias is correct.

INVALID_SIGNATURE_QUERY

ID: SAML2-131

Level: INFO

Description: Invalid Signature in Query Request.

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

Data: The realm from which the metadata was retreived., Entity Identifier for the Policy Decision Point., Cert Alias used to retrieve certificate from keystore.

Triggers: Cannot process the request, server will send back error to the Requester.

Actions: Check the entity's metadata to verify the certificate alias is correct.; Check the certificate in the keystore for its existance and validity.

INVALID_ISSUER_IN_PEP_REQUEST

ID: SAML2-132

Level: INFO

Description: Issuer in Request is invalid.

Data: Name of Realm or organization, Identity of the Issuer, Hosted Entity Identifier

Triggers: Issuer in Request is not configured or not trusted by the hosted provider therefore Query will fail.

Actions: Check the hosted entity configuration attribute cotlist to make sure the issuer identifier is in the list.

PEP_METADATA_ERROR

ID: SAML2-133

Level: INFO

Description: Unable to retreive Policy Enforcement Point (PEP) Metadata.

Data: PEP Provider Entity Identifier

Triggers: Cannot retrieve PEP Provider Metadata

Actions: Check the Data Store is accessible .; Check the PEP Provider Entity Identifier.

PDP_METADATA_ERROR

ID: SAML2-134

Level: INFO

Description: Unable to retrieve Policy Decision Point (PDP) Metadata.

Data: PDP Provider Entity Identifier

Triggers: Cannot retreive PDP Provider Metadata

Actions: Check the Data Store is accessible .; Check the PDP Provider Entity Identifier.

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

ASSERTION_FROM_PDP_NOT_ENCRYPTED

ID: SAML2-135

Level: INFO

Description: Assertion in Response not encrypted.

Data: Identity of the Issuer, Response ID

Triggers: Policy Enforcement Point (PEP) Provider requested the assertion in Response to be encrypted, but it received a Response with unencrypted assertion(s).

Actions: Check PEP metadata published to the PDP. Notify Policy Decision Point (PDP) Provider regarding the requirement.

MISSING_ASSERTION_IN_PDP_RESPONSE

ID: SAML2-136

Level: INFO

Description: Response has no Assertion.

Data: Identity of Issuer, Response ID

Triggers: Policy Enforcement Point (PEP) Provider received a Response with no Assertion.

Actions: Check error code of the Response. Notify Policy Decision Point (PDP) Provider to check for errors or possible misconfiguration.

INVALID_ISSUER_IN_ASSERTION_FROM_PDP

ID: SAML2-137

Level: INFO

Description: Issuer in Assertion is not valid.

Data: Assertion Issuer, Assertion ID

Triggers: Issuer in Assertion was not configured at Policy Enforcement Point (PEP) provider, or not trusted by the PEP provider.

Actions: Check the configuration.

MISMATCH_ISSUER_IN_ASSERTION_FROM_PDP

ID: SAML2-138

Level: INFO

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

Description: Issuer in Assertion doesn't match the Issuer in Response.

Data: Issuer Identifier in the Resposnse, Issuer Identity in the Assertion

Triggers: Error condition, Response will not be accepted.

Actions: Check the Policy Decision Point instance to debug the cause of the problem.

INVALID_SIGNATURE_ASSERTION_FROM_PDP

ID: SAML2-139

Level: INFO

Description: Assertion is not signed or signature is not valid.

Data: Issuer Identity in the Assertion, Assertion ID

Triggers: Policy Enforcement Point (PEP) provider requested the Assertion to be signed but the assertion received was not; or the signature on the Assertion received was not valid.

Actions: Check PEP metadata configuration.; Check debug for more detailed error message.

REQUEST_MESSAGE

ID: SAML2-140

Level: FINE

Description: Request message from Query Requester

Data: policy decision point entity descriptor, SAMLv2 Query Request Message

Triggers: SAMLv2 SOAP Query

VALID_SIGNATURE_QUERY

ID: SAML2-141

Level: INFO

Description: Valid Signature in Query Request.

Data: The realm from which the metadata was retreived., Entity Identifier for the Policy Decision Point., Cert Alias used to retrieve certificate from keystore.

Triggers: The Request will be processed.

SUCCESS_FED_SSO

ID: SAML2-142

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

Level: INFO

Description: Successful federation/Single Sign On.

Data: user id, NameID value

Triggers: Successful federation/Single Sign On.

SAE_IDP_SUCCESS

ID: SAML2-143

Level: INFO

Description: SAE_IDP succeeded.

Data: SAE attributes

Triggers: SAE_IDP succeeded.

SAE_IDP_ERROR

ID: SAML2-144

Level: INFO

Description: SAE_IDP failed.

Data: Error message, SAE attributes

Triggers: SAE_IDP failed.

SAE_IDP_ERROR_NODATA

ID: SAML2-145

Level: INFO

Description: SAE_IDP invoked without attributes.

Data: Error message

Triggers: SAE_IDP invoked without attributes.

Actions: Add SAE attributes to request.

SAE_IDP_AUTH

ID: SAML2-146

Level: INFO

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

Description: SAE_IDP delegated to Auth.

Data: SAE attributes

Triggers: SAE_IDP invoked but no user session.

SAE_SP_SUCCESS

ID: SAML2-147

Level: INFO

Description: SAE_SP succeeded.

Data: SAE attributes

Triggers: SAE_SP succeeded.

SAE_SP_ERROR

ID: SAML2-148

Level: INFO

Description: SAE_SP failed.

Data: Error message

Triggers: SAE_SP failed.

SEND_ECP_RESPONSE

ID: SAML2-149

Level: INFO

Description: Send a response to ECP.

Data: Identity Provider Entity Identifier, Realm or organization name, Assertion Consumer Service URL, SOAP message string if the log level was set to LL_FINE at run time

Triggers: Received AuthnRequest.

SEND_ECP_RESPONSE_FAILED

ID: SAML2-150

Level: INFO

Description: Unable to send a response to ECP.

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

Data: Identity Provider Entity Identifier, Realm or organization name, Assertion Consumer Service URL

Triggers: Send a response to ECP.

CANNOT_INSTANTIATE_SOAP_MESSAGE_ECP

ID: SAML2-151

Level: INFO

Description: Unable to instantiate a SOAP message sent from ECP.

Data: Service Provider Entity Identifier

Triggers: Received a response from ECP.

RECEIVE_SOAP_FAULT_ECP

ID: SAML2-152

Level: INFO

Description: Received a SOAP fault from ECP.

Data: Service Provider Entity Identifier

Triggers: Received a response from ECP.

CANNOT_INSTANTIATE_SOAP_MESSAGE_ECP

ID: SAML2-153

Level: INFO

Description: Unable to instantiate a SAML Response sent from ECP.

Data: Service Provider Entity Identifier

Triggers: Received a response from ECP.

ECP_ASSERTION_NOT_SIGNED

ID: SAML2-154

Level: INFO

Description: Assertion received from ECP is not signed.

Data: Identity Provider Entity Identifier

Triggers: Received a response from ECP.

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

ECP_ASSERTION_INVALID_SIGNATURE

ID: SAML2-155

Level: INFO

Description: Assertion received from ECP has invalid signature.

Data: Identity Provider Entity Identifier

Triggers: Assertion signature verification.

RECEIVED_AUTHN_REQUEST_ECP

ID: SAML2-156

Level: INFO

Description: Received AuthnRequest from ECP.

Data: Service Provider Entity Identifier, IDP meta alias, authnRequest xml string

Triggers: Single Sign On.

RECEIVED_HTTP_REQUEST_ECP

ID: SAML2-157

Level: INFO

Description: Received HTTP request from ECP.

Data: Service Provider Entity Identifier, Realm or organization name

Triggers: ECP accessed SP Resource.

SEND_ECP_PAOS_REQUEST

ID: SAML2-158

Level: INFO

Description: Send a PAOS request to ECP.

Data: Service Provider Entity Identifier, Realm or organization name, SOAP message string if the log level was set to LL_FINE at run time

Triggers: Received HTTP request from ECP.

SEND_ECP_PAOS_REQUEST_FAILED

ID: SAML2-159

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

Level: INFO

Description: Unable to send a PAOS request to ECP.

Data: Service Provider Entity Identifier, Realm or organization name

Triggers: Send a PAOS request to ECP.

SUCCESS_FED_TERMINATION

ID: SAML2-160

Level: INFO

Description: Federation termination succeeded.

Data: user id

Triggers: Federation termination succeeded.

SUCCESS_NEW_NAMEID

ID: SAML2-161

Level: INFO

Description: New name identifier succeeded.

Data: user id

Triggers: New name identifier succeeded.

UNKNOWN_PRINCIPAL

ID: SAML2-162

Level: INFO

Description: Unknown princial in manage name ID request.

Data: Manage Name ID request XML

Triggers: Unable to find old name id in the management name id request.

UNABLE_TO_TERMINATE

ID: SAML2-163

Level: INFO

Description: Unable to terminate federation.

Data: user id

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

Triggers: Unable to terminate federation.

POST_RESPONSE_INVALID_SIGNATURE

ID: SAML2-164

Level: INFO

Description: Unable to verify signature in Single Sign-On Response using POST binding.

Data: Identity Provider Entity ID

Triggers: Error while trying to verify signature in Response.

Actions: Check Identity Provider metadata; Check debug file for detailed info

BINDING_NOT_SUPPORTED

ID: SAML2-165

Level: INFO

Description: Binding is not supported.

Data: Provider Entity ID, Name of binding that is not supported

Triggers: Hosted provider received data from unsupported binding endpoint.

Actions: Check Provider metadata; Check debug file for detailed info

SP_SSO_FAILED

ID: SAML2-166

Level: INFO

Description: Single Sign-On Failed at Service Provider.

Data: Hosted Service Provider Entity ID, Error message, Response received from IDP if the log level was set to LL_FINE at run time

Triggers: Single Sign On failed

Actions: Check debug file for detailed info

INVALID_REALM_FOR_SESSION

ID: SAML2-167

Level: INFO

Description: Invalid realm for the user trying to get an assertion from the IdP.

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

Data: Realm of the authenticated user, Realm where the IdP is defined, Entity Id of the SP, IP Address of the requester, SAML2 Authentication Request

Triggers: Single Sign On failed

Actions: Check debug file for detailed info

DATE_CONDITION_NOT_MET

ID: SAML2-168

Level: INFO

Description: Assertion NotBefore or NotOnOrAfter condition not met.

Data: Assertion ID

Triggers: The NotBefore or NotOnOrAfter condition of the single sign on assertion was not met.

Actions: Check debug for the Assertion received. Check assertion clock skew. Contact identity provider if needed.

OpenAM logs the following SAML messages.

ASSERTION_CREATED

ID: SAML-1

Level: INFO

Description: New assertion created

Data: message id, Assertion ID or Assertion if log level is LL_FINER

Triggers: Browser Artifact Profile; Browser POST Profile; Create Assertion Artifact; Authentication Query; Attribute Query; Authorization Decision Query

ASSERTION_ARTIFACT_CREATED

ID: SAML-2

Level: INFO

Description: New assertion artifact created

Data: message id, Assertion Artifact, ID of the Assertion corresponding to the Artifact

Triggers: Browser Artifact Profile; Creating Assertion Artifact

ASSERTION_ARTIFACT_REMOVED

ID: SAML-3

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

Level: FINE

Description: Assertion artifact removed from map

Data: message id, Assertion Artifact

Triggers: SAML Artifact Query; Assertion artifact expires

ASSERTION_REMOVED

ID: SAML-4

Level: FINE

Description: Assertion removed from map

Data: message id, Assertion ID

Triggers: SAML Artifact Query; Assertion expires

ASSERTION_ARTIFACT_VERIFIED

ID: SAML-5

Level: INFO

Description: Access right by assertion artifact verified

Data: message id, Assertion Artifact

Triggers: SAML Artifact Query

AUTH_PROTOCOL_MISMATCH

ID: SAML-6

Level: INFO

Description: Authentication type configured and the actual SOAP protocol do not match.

Data: message id

Triggers: SAML SOAP Query

Actions: Login to console, go to Federation, then SAML, edit the Trusted Partners Configuration, check the selected Authentication Type field, make sure it matches the protocol specified in SOAP URL field.

INVALID_AUTH_TYPE

ID: SAML-7

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

Level: INFO

Description: Invalid authentication type

Data: message id

Triggers: SAML SOAP Query

Actions: Login to console, go to Federation, then SAML, edit the Trusted Partners Configuration, select one of the values for Authentication Type field, then save.

SOAP_RECEIVER_URL

ID: SAML-8

Level: FINE

Description: Remote SOAP receiver URL

Data: message id, SOAP Receiver URL

Triggers: SAML SOAP Query

NO_ASSERTION_IN_RESPONSE

ID: SAML-9

Level: INFO

Description: No assertion present in saml response

Data: message id, SAML Response

Triggers: SAML Artifact Query

Actions: Contact remote partner on what's wrong

MISMATCHED_ASSERTION_AND_ARTIFACT

ID: SAML-10

Level: INFO

Description: Number of assertions in SAML response does not equal to number of artifacts in SAML request.

Data: message id, SAML Response

Triggers: SAML Artifact Query

Actions: Contact remote partner on what's wrong

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

ARTIFACT_TO_SEND

ID: SAML-11

Level: INFO

Description: Artifact to be sent to remote partner

Data: message id, SAML Artifact

Triggers: SAML Artifact Query

WRONG_SOAP_URL

ID: SAML-12

Level: INFO

Description: Wrong SOAP URL in trusted partner configuration

Data: message id

Triggers: SAML Artifact Query

Actions: Login to console, go to Federation, then SAML, edit the Trusted Partners Configuration, enter value for SOAP URL field, then save.

SAML_ARTIFACT_QUERY

ID: SAML-13

Level: FINE

Description: SAML Artifact Query SOAP request

Data: message id, SAML Artifact Query message

Triggers: SAML Artifact Query

NO_REPLY_FROM_SOAP_RECEIVER

ID: SAML-14

Level: INFO

Description: No reply from remote SAML SOAP Receiver

Data: message id

Triggers: SAML Artifact Query

Actions: Check remote partner on what's wrong

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

REPLIED_SOAP_MESSAGE

ID: SAML-15

Level: FINE

Description: SAML Artifact Query response

Data: message id, SAML Artifact Query response message

Triggers: SAML Artifact Query

NULL_SAML_RESPONSE

ID: SAML-16

Level: INFO

Description: No SAML response inside SOAP response

Data: message id

Triggers: SAML Artifact Query

Actions: Check remote partner on what's wrong

INVALID_RESPONSE_SIGNATURE

ID: SAML-17

Level: INFO

Description: XML signature for SAML response is not valid

Data: message id

Triggers: SAML Artifact Query

Actions: Check remote partner on what's wrong on XML digital signature

ERROR_RESPONSE_STATUS

ID: SAML-18

Level: INFO

Description: Error in getting SAML response status code

Data: message id

Triggers: SAML Artifact Query

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

Actions: Check remote partner on what's wrong on response status code

MISSING_TARGET

ID: SAML-19

Level: INFO

Description: TARGET parameter is missing from the request

Data: message id

Triggers: SAML Artifact Profile; SAML POST Profile

Actions: Add "TARGET=target_url" as query parameter in the request

REDIRECT_TO_URL

ID: SAML-20

Level: INFO

Description: Redirection URL in SAML artifact source site

Data: message id, target, redirection URL, SAML response message in case of POST profile and log level is LL_FINER

Triggers: SAML Artifact Profile source; SAML POST Profile source

TARGET_FORBIDDEN

ID: SAML-21

Level: INFO

Description: The specified target site is forbidden

Data: message id, target URL

Triggers: SAML Artifact Profile source; SAML POST Profile source

Actions: TARGET URL specified in the request is not handled by any trusted partner, check your TARGET url, make sure it matches one of the Target URL configured in trusted partner sites

FAILED_TO_CREATE_SSO_TOKEN

ID: SAML-22

Level: INFO

Description: Failed to create single-sign-on token

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

Data: message id

Triggers: SAML Artifact Profile destination; SAML POST Profile destination

Actions: Authentication component failed to create SSO token, please check authentication log and debug for more details

ACCESS_GRANTED

ID: SAML-23

Level: INFO

Description: Single sign on successful, access to target is granted

Data: message id, Response message in case of POST profile and log levele is LL_FINER or higher

Triggers: SAML Artifact Profile destination; SAML POST Profile destination

NULL_PARAMETER

ID: SAML-24

Level: INFO

Description: Null servlet request or response

Data: message id

Triggers: SAML Artifact Profile; SAML POST Profile

Actions: Check web container error log for details

MISSING_RESPONSE

ID: SAML-25

Level: INFO

Description: Missing SAML response in POST body

Data: message id

Triggers: SAML POST Profile destination

Actions: Check with remote SAML partner to see why SAML response object is missing from HTTP POST body

RESPONSE_MESSAGE_ERROR

ID: SAML-26

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

Level: INFO

Description: Error in response message

Data: message id

Triggers: SAML POST Profile destination

Actions: Unable to convert encoded POST body attribute to SAML Response object, check with remote SAML partner to see if there is any error in the SAML response create, for example, encoding error, invalid response sub-element etc.

INVALID_RESPONSE

ID: SAML-27

Level: INFO

Description: Response is not valid

Data: message id

Triggers: SAML POST Profile destination

Actions: recipient attribute in SAML response does not match this site's POST profile URL; Response status code is not success

SOAP_MESSAGE_FACTORY_ERROR

ID: SAML-28

Level: INFO

Description: Failed to get an instance of the message factory

Data: message id

Triggers: SAML SOAP Receiver init

Actions: Check your SOAP factory property (javax.xml.soap.MessageFactory) to make sure it is using a valid SOAP factory implementation

UNTRUSTED_SITE

ID: SAML-29

Level: INFO

Description: Received Request from an untrusted site

Data: message id, Remote site Hostname or IP Address

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

Triggers: SAML SOAP Queries

Actions: Login to console, go to Federation, then SAML service, edit the Trusted Partners Configuration, check the Host List field, make sure remote host/IP is one the values. In case of SSL with client auth, make sure Host List contains the client certificate alias of the remote site.

INVALID_REQUEST

ID: SAML-30

Level: INFO

Description: Invalid request from remote partner site

Data: message id and request hostname/IP address, return response

Triggers: SAML SOAP Queries

Actions: Check with administrator of remote partner site

SOAP_REQUEST_MESSAGE

ID: SAML-31

Level: FINE

Description: Request message from partner site

Data: message id and request hostname/IP address, request xml

Triggers: SAML SOAP Queries

BUILD_RESPONSE_ERROR

ID: SAML-32

Level: INFO

Description: Failed to build response due to internal server error

Data: message id

Triggers: SAML SOAP Queries

Actions: Check debug message to see why it is failing, for example, cannot create response status, major/minor version error, etc.

SENDING_RESPONSE

ID: SAML-33

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

Level: INFO

Description: Sending SAML response to partner site

Data: message id, SAML response or response id

Triggers: SAML SOAP Queries

SOAP_FAULT_ERROR

ID: SAML-34

Level: INFO

Description: Failed to build SOAP fault response body

Data: message id

Triggers: SAML SOAP Queries

Actions: Check debug message to see why it is failing, for example, unable to create SOAP fault, etc.

OpenAM logs the following WSFederation messages.

INVALID_SIGNATURE_ASSERTION

ID: WSFederation-1

Level: INFO

Description: Assertion is not signed or signature is not valid.

Data: Assertion or assertion ID, Realm or organization name, Assertion issuer

Triggers: Service provider requested the Assertion to be signed but the assertion received was not; or the signature on the Assertion received was not valid.

Actions: Check configuration; check debug for more detailed error message.

MISSING_CONDITIONS_NOT_ON_OR_AFTER

ID: WSFederation-2

Level: INFO

Description: Assertion conditions are missing notOnOrAfter attribute.

Data: Assertion or assertion ID

Triggers: The Conditions element of the assertion is missing its notOnOrAfter attribute.

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

Actions: Check the assertion. Contact Identity Provider if needed.

ASSERTION_EXPIRED

ID: WSFederation-3

Level: INFO

Description: Assertion has expired.

Data: Assertion or assertion ID, Assertion notOnOrAfter time, Time skew in seconds, Current time

Triggers: The current time is after the assertion's notOnOrAfter time plus the time skew.

Actions: Synchronize server clocks. Contact Identity Provider if needed.

MISSING_CONDITIONS_NOT_BEFORE

ID: WSFederation-4

Level: INFO

Description: Assertion conditions are missing notBefore attribute.

Data: Assertion or assertion ID

Triggers: The Conditions element of the assertion is missing its notBefore attribute.

Actions: Check the assertion. Contact Identity Provider if needed.

ASSERTION_NOT_YET_VALID

ID: WSFederation-5

Level: INFO

Description: Assertion not yet valid.

Data: Assertion or assertion ID, Assertion notBefore time, Time skew in seconds, Current time

Triggers: The current time is before the assertion's notBefore time minus the time skew.

Actions: Synchronize server clocks. Contact Identity Provider if needed.

MISSING_WRESULT

ID: WSFederation-6

Level: INFO

Description: WS-Federation response is missing wresult.

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

Data: WS-Federation response

Triggers: The WS-Federation response is missing its wresult parameter.

Actions: Check the response. Contact Identity Provider if needed.

MISSING_WCTX

ID: WSFederation-7

Level: INFO

Description: WS-Federation response is missing wctx.

Data: WS-Federation response

Triggers: The WS-Federation response is missing its wctx parameter.

Actions: Check the response. Contact Identity Provider if needed.

INVALID_WRESULT

ID: WSFederation-8

Level: INFO

Description: WS-Federation response is invalid.

Data: WS-Federation response

Triggers: The WS-Federation response is not a valid RequestSecurityTokenResponse element.

Actions: Check the response. Contact Identity Provider if needed.

CONFIG_ERROR_GET_ENTITY_CONFIG

ID: WSFederation-9

Level: INFO

Description: Configuration error while getting entity config.

Data: Error message, MetaAlias, Realm or organization name

Triggers: Obtain entity config.

Actions: Check debug message for detailed error.

CANT_FIND_SP_ACCOUNT_MAPPER

ID: WSFederation-10

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

Level: INFO

Description: Can't find SP Account Mapper.

Data: Error message, Account mapper class name

Triggers: Cannot get class object for SP account mapper class.

Actions: Check the configuration. Ensure that SP account mapper class name is correct and that the account mapper class is on the classpath.

CANT_CREATE_SP_ACCOUNT_MAPPER

ID: WSFederation-11

Level: INFO

Description: Can't create SP Account Mapper.

Data: Error message, Account mapper class name

Triggers: Cannot create SP account mapper object.

Actions: Check the configuration. Ensure that SP account mapper class name is correct and that the account mapper class is on the classpath.

CANT_CREATE_SESSION

ID: WSFederation-12

Level: INFO

Description: Can't create session for user.

Data: Error message, Realm or organization name, User name, Auth level

Triggers: Cannot create session for user.

Actions: Check the configuration. Ensure that SP account mapper is finding a user in the local store.

SSO_SUCCESSFUL

ID: WSFederation-13

Level: INFO

Description: Single sign-on completed successfully.

Data: wctx, Assertion or assertion ID, Realm or organization name, User ID, Authentication Level, Target URL

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

Triggers: Successful WS-Federation RP Signin Response.

UNTRUSTED_ISSUER

ID: WSFederation-14

Level: INFO

Description: Assertion issuer is not trusted by this service provider.

Data: Assertion or assertion ID, Realm or organization name, Service provider ID, Target URL

Triggers: Cannot create session for user.

Actions: Check the configuration. Ensure that SP account mapper is finding a user in the local store.

MISSING_SUBJECT

ID: WSFederation-15

Level: INFO

Description: Assertion does not contain a subject element.

Data: Assertion or assertion ID

Triggers: Assertion does not contain a subject element.

Actions: Check the assertion. Contact Identity Provider if needed.

GOT_FEDERATION

ID: WSFederation-16

Level: FINE

Description: Federation obtained.

Data: Federation ID, Realm or organization name

Triggers: Obtain federation.

GOT_INVALID_ENTITY_DESCRIPTOR

ID: WSFederation-17

Level: INFO

Description: Obtained invalid entity descriptor.

Data: Entity ID, Realm or organization name

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

Triggers: Obtain entity descriptor.

Actions: Delete invalid entity descriptor and import it again.

CONFIG_ERROR_GET_ENTITY_DESCRIPTOR

ID: WSFederation-18

Level: INFO

Description: Configuration error while getting entity descriptor.

Data: Error message, Entity ID, Realm or organization name

Triggers: Obtain entity descriptor.

Actions: Check debug message for detailed error.

SET_ENTITY_DESCRIPTOR

ID: WSFederation-19

Level: INFO

Description: Entity descriptor was set.

Data: Entity ID, Realm or organization name

Triggers: Set entity descriptor.

CONFIG_ERROR_SET_ENTITY_DESCRIPTOR

ID: WSFederation-20

Level: INFO

Description: Configuration error while setting entity descriptor.

Data: Error message, Entity ID, Realm or organization name

Triggers: Set entity descriptor.

Actions: Check debug message for detailed error.

SET_INVALID_ENTITY_DESCRIPTOR

ID: WSFederation-21

Level: INFO

Description: Invalid entity descriptor to set.

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

Data: Entity ID, Realm or organization name

Triggers: Set entity descriptor.

Actions: Check entity descriptor if it follows the schema.

ENTITY_DESCRIPTOR_CREATED

ID: WSFederation-22

Level: INFO

Description: Entity descriptor was created.

Data: Entity ID, Realm or organization name

Triggers: Create entity descriptor.

CONFIG_ERROR_CREATE_ENTITY_DESCRIPTOR

ID: WSFederation-23

Level: INFO

Description: Configuration error while creating entity descriptor.

Data: Error message, Entity ID, Realm or organization name

Triggers: Create entity descriptor.

Actions: Check debug message for detailed error.

CREATE_INVALID_ENTITY_DESCRIPTOR

ID: WSFederation-24

Level: INFO

Description: Invalid entity descriptor to create.

Data: Entity ID, Realm or organization name

Triggers: Create entity descriptor.

Actions: Check entity descriptor if it follows the schema.

ENTITY_DESCRIPTOR_DELETED

ID: WSFederation-25

Level: INFO

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

Description: Entity descriptor was deleted.

Data: Entity ID, Realm or organization name

Triggers: Delete entity descriptor.

CONFIG_ERROR_DELETE_ENTITY_DESCRIPTOR

ID: WSFederation-26

Level: INFO

Description: Configuration error while deleting entity descriptor.

Data: Error message, Entity ID, Realm or organization name

Triggers: Delete entity descriptor.

Actions: Check debug message for detailed error.

GOT_ENTITY_CONFIG

ID: WSFederation-27

Level: FINE

Description: Entity config obtained.

Data: Entity ID, Realm or organization name

Triggers: Obtain entity config.

GOT_INVALID_ENTITY_CONFIG

ID: WSFederation-28

Level: INFO

Description: Obtained invalid entity config.

Data: Entity ID, Realm or organization name

Triggers: Obtain entity config.

Actions: Delete invalid entity config and import it again.

CONFIG_ERROR_GET_ENTITY_CONFIG

ID: WSFederation-29

Level: INFO

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

Description: Configuration error while getting entity config.

Data: Error message, Entity ID, Realm or organization name

Triggers: Obtain entity config.

Actions: Check debug message for detailed error.

NO_ENTITY_ID_SET_ENTITY_CONFIG

ID: WSFederation-30

Level: INFO

Description: No entity ID while setting entity config.

Data: Realm or organization name

Triggers: Set entity config.

Actions: Set entity ID in entity config.

SET_ENTITY_CONFIG

ID: WSFederation-31

Level: INFO

Description: Entity config was set.

Data: Entity ID, Realm or organization name

Triggers: Set entity config.

CONFIG_ERROR_SET_ENTITY_CONFIG

ID: WSFederation-32

Level: INFO

Description: Configuration error while setting entity config.

Data: Error message, Entity ID, Realm or organization name

Triggers: Set entity config.

Actions: Check debug message for detailed error.

SET_INVALID_ENTITY_CONFIG

ID: WSFederation-33

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

Level: INFO

Description: Invalid entity config to set.

Data: Entity ID, Realm or organization name

Triggers: Set entity config.

Actions: Check entity config if it follows the schema.

NO_ENTITY_ID_CREATE_ENTITY_CONFIG

ID: WSFederation-34

Level: INFO

Description: No entity ID while creating entity config.

Data: Realm or organization name

Triggers: Create entity config.

Actions: Set entity ID in entity config.

NO_ENTITY_DESCRIPTOR_CREATE_ENTITY_CONFIG

ID: WSFederation-35

Level: INFO

Description: Entity config doesn't exist while creating entity config.

Data: Entity ID, Realm or organization name

Triggers: Create entity config.

Actions: Create entity descriptor before create entity config.

ENTITY_CONFIG_EXISTS

ID: WSFederation-36

Level: INFO

Description: Entity config exists while creating entity config.

Data: Entity ID, Realm or organization name

Triggers: Create entity config.

Actions: Delete existing entity config first.

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

ENTITY_CONFIG_CREATED

ID: WSFederation-37

Level: INFO

Description: Entity config was created.

Data: Entity ID, Realm or organization name

Triggers: Create entity config.

CONFIG_ERROR_CREATE_ENTITY_CONFIG

ID: WSFederation-38

Level: INFO

Description: Configuration error while creating entity config.

Data: Error message, Entity ID, Realm or organization name

Triggers: Create entity config.

Actions: Check debug message for detailed error.

CREATE_INVALID_ENTITY_CONFIG

ID: WSFederation-39

Level: INFO

Description: Invalid entity config to create.

Data: Entity ID, Realm or organization name

Triggers: Create entity config.

Actions: Check entity config if it follows the schema.

NO_ENTITY_CONFIG_DELETE_ENTITY_CONFIG

ID: WSFederation-40

Level: INFO

Description: Entity config doesn't exist while deleting entity config.

Data: Entity ID, Realm or organization name

Triggers: Delete entity config.

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

Actions: Check debug message for detailed error.

ENTITY_CONFIG_DELETED

ID: WSFederation-41

Level: INFO

Description: Entity config was deleted.

Data: Entity ID, Realm or organization name

Triggers: Delete entity config.

CONFIG_ERROR_DELETE_ENTITY_CONFIG

ID: WSFederation-42

Level: INFO

Description: Configuration error while deleting entity config.

Data: Error message, Entity ID, Realm or organization name

Triggers: Delete entity config.

Actions: Check debug message for detailed error.

CONFIG_ERROR_GET_ALL_HOSTED_ENTITIES

ID: WSFederation-43

Level: INFO

Description: Configuration error while getting all hosted entities.

Data: Error message, Realm or organization name

Triggers: Get all hosted entities.

Actions: Check debug message for detailed error.

GOT_ALL_HOSTED_ENTITIES

ID: WSFederation-44

Level: FINE

Description: Obtained all hosted entities.

Data: Realm or organization name

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

Triggers: Get all hosted entities.

CONFIG_ERROR_GET_ALL_REMOTE_ENTITIES

ID: WSFederation-45

Level: INFO

Description: Configuration error while getting all remote entities.

Data: Error message, Realm or organization name

Triggers: Get all remote entities.

Actions: Check debug message for detailed error.

GOT_ALL_REMOTE_ENTITIES

ID: WSFederation-46

Level: FINE

Description: Obtained all remote entities.

Data: Error message, Realm or organization name

Triggers: Get all remote entities.

CONFIG_ERROR_GET_ALL_ENTITIES

ID: WSFederation-47

Level: INFO

Description: Configuration error while getting all entities.

Data: Error message, Realm or organization name

Triggers: Get all entities.

Actions: Check debug message for detailed error.

GOT_ALL_ENTITIES

ID: WSFederation-48

Level: FINE

Description: Obtained all entities.

Data: Realm or organization name

Triggers: Get all entities.

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

ASSERTION_CREATED

ID: WSFederation-49

Level: INFO

Description: Assertion created successfully.

Data: Assertion or assertion ID

Triggers: Creation of WS-Federation IdP Signin Response.

NO_ACS_URL

ID: WSFederation-50

Level: INFO

Description: Could not find an Assertion Consumer Service URL.

Data: Realm or organization name, Service provider ID, Reply URL

Triggers: No ACS URL in configuration.; ACS URL provided in request not found in configuration.

Actions: Check configuration for service provider.

SLO_SUCCESSFUL

ID: WSFederation-51

Level: INFO

Description: Single logout completed successfully.

Data: Reply URL

Triggers: Successful single logout.

OpenAM logs the following WebServicesSecurity messages.

UNSUPPORTED_TOKEN_TYPE

ID: WebServicesSecurity-1

Level: INFO

Description: Unsupported Token Type sent to STS for Security Token creation.

Data: Token Type sent by client to STS

Triggers: Invalid or unsupported token type sent by client to STS.

Actions: Check the Token Type sent by client to STS.

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

CREATED_SAML11_ASSERTION

ID: WebServicesSecurity-2

Level: INFO

Description: Successfully created SAML 1.1 assertion by STS.

Data: Assertion ID, Issuer of this SAML assertion, Service Provider for which this Assertion is created or applies to, Confirmation Method, Token Type, Key Type

Triggers: Valid parameters sent by client to STS to create SAML assetion.

CREATED_SAML20_ASSERTION

ID: WebServicesSecurity-3

Level: INFO

Description: Successfully created SAML 2.0 assertion by STS.

Data: Assertion ID, Issuer of this SAML assertion, Service Provider for which this Assertion is created or applies to, Confirmation Method, Token Type, Key Type

Triggers: Valid parameters sent by client to STS to create SAML assetion.

ERROR_SIGNING_SAML_ASSERTION

ID: WebServicesSecurity-4

Level: INFO

Description: Error during signing SAML assertion by STS.

Data: Actual Error message

Triggers: Problem in STS's Certificate or Private key.

Actions: Check the certificate of STS.; Check the Private Key of STS.

ERROR_CREATING_SAML11_ASSERTION

ID: WebServicesSecurity-5

Level: INFO

Description: Error during creation of SAML 1.1 Assertion by STS.

Data: Actual Error message

Triggers: Invalid parameters sent to create SAML 1.1 Assertion.

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

Actions: Check all the parameters sent to create SAML 1.1 Assertion.

ERROR_CREATING_SAML20_ASSERTION

ID: WebServicesSecurity-6

Level: INFO

Description: Error during creation of SAML 2.0 Assertion by STS.

Data: Actual Error message

Triggers: Invalid parameters sent to create SAML 2.0 Assertion.

Actions: Check all the parameters sent to create SAML 2.0 Assertion.

IDENTITY_SUBJECT_NAME

ID: WebServicesSecurity-7

Level: INFO

Description: Security token being created for this Identity.

Data: Subject or Identity of the token

ATTR_MAP_FOR_SP

ID: WebServicesSecurity-8

Level: INFO

Description: Security token being created with this Attribute Map for Service Provider.

Data: Attribute Map required by Service Provider

Triggers: Service Provider needs Attributes to be populated in Security token.

SUCCESS_VALIDATE_REQUEST

ID: WebServicesSecurity-9

Level: INFO

Description: Successfully validated the incoming SOAP request.

Data: Provider name to identify the STS service or WSP profile, Security Mechanism or authentication token sent by client

REQUEST_TO_BE_VALIDATED

ID: WebServicesSecurity-10

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

Level: FINE

Description: Incoming SOAP request to be validated.

Data: Complete SOAP request

RESPONSE_TO_BE_SECURED

ID: WebServicesSecurity-11

Level: FINE

Description: Outgoing SOAP response to be secured.

Data: Complete SOAP response

SUCCESS_SECURE_RESPONSE

ID: WebServicesSecurity-12

Level: INFO

Description: Successfully secured the outgoing SOAP response.

Data: Provider name to identify the STS service or WSP profile

REQUEST_TO_BE_SECURED

ID: WebServicesSecurity-13

Level: FINE

Description: Outgoing SOAP request to be secured.

Data: Complete SOAP request

SUCCESS_SECURE_REQUEST

ID: WebServicesSecurity-14

Level: INFO

Description: Successfully secured the outgoing SOAP request.

Data: Provider name to identify the STS client or WSC profile, Security Mechanism or authentication token sent by client

RESPONSE_TO_BE_VALIDATED

ID: WebServicesSecurity-15

Level: FINE

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

Description: Incoming SOAP response to be validated.

Data: Complete SOAP response

SUCCESS_VALIDATE_RESPONSE

ID: WebServicesSecurity-16

Level: INFO

Description: Successfully validated the incoming SOAP response.

Data: Provider name to identify the STS client or WSC profile

AUTHENTICATION_FAILED

ID: WebServicesSecurity-17

Level: INFO

Description: Authentication of the incoming SOAP request failed at server or WSP.

Data: Security Mechanism or Security token sent by client

Triggers: Invalid Security Mechanism or Security token sent by client.

Actions: Check Security Mechanism or Security token sent by client.

ERROR_PARSING_SOAP_HEADERS

ID: WebServicesSecurity-18

Level: INFO

Description: Error in parsing SOAP headers from incoming SOAP request.

Data: Actual error message

Triggers: Client has sent incorrect SOAP headers.

Actions: Check SOAP headers.

ERROR_ADDING_SECURITY_HEADER

ID: WebServicesSecurity-19

Level: INFO

Description: Error in adding Security header in outgoing SOAP request.

Data: Actual error message

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

Triggers: Error in adding namespaces or creating Security Header element.

Actions: Check namespaces and Secuirty Header.

SIGNATURE_VALIDATION_FAILED

ID: WebServicesSecurity-20

Level: INFO

Description: Signature validation failed in incoming SOAP request / response.

Data: Actual error message

Triggers: Error in signing request / response by client / server.

Actions: Check keystore and certificate used for signing.

UNABLE_TO_SIGN

ID: WebServicesSecurity-21

Level: INFO

Description: Unable to sign SOAP request or response.

Data: Actual error message

Triggers: Error in retrieving certificate from the keystore.

Actions: Check keystore configuration and certificate used for signing.; Check debug file for detailed info.

UNABLE_TO_ENCRYPT

ID: WebServicesSecurity-22

Level: INFO

Description: Unable to encrypt SOAP request or response.

Data: Actual error message

Triggers: Error in retrieving certificate from the keystore.

Actions: Check keystore configuration and certificate used for encryption.; Check debug file for detailed info.

UNABLE_TO_DECRYPT

ID: WebServicesSecurity-23

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

Level: INFO

Description: Unable to decrypt SOAP request or response.

Data: Actual error message

Triggers: Error in retrieving certificate from the keystore.

Actions: Check keystore configuration and certificate used for decryption.; Check debug file for detailed info.

SUCCESS_RETRIEVING_TOKEN_FROM_STS

ID: WebServicesSecurity-24

Level: INFO

Description: Successfully retrieved Security Token from STS service.

Data: Web Service Provider end point for which Security Token being generated, Security Token Service end point to which STS client talks to, Security Token Service MEX end point address, End user credential (if "null" then the Identity of the generated Security token is Web Service Client, else it is owned by Authenticated End user), Key Type, Token Type

Triggers: All the required input data parameters are correct.

ERROR_RETRIEVING_TOKEN_FROM_STS

ID: WebServicesSecurity-25

Level: INFO

Description: Error in retrieving Security Token from STS service.

Data: Actual error message

Triggers: Some or more required input data parameters are not correct.

Actions: Check all the required input data parameters.; Check debug file for detailed error.

ERROR_RETRIEVING_TOKEN_FROM_STS

ID: WebServicesSecurity-26

Level: SEVERE

Description: Error in retrieving Security Token from STS service.

Data: Actual error message

Triggers: Some or more required input data parameters are not correct.

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

Actions: Check all the required input data parameters.; Check debug file for detailed error.

ERROR_CREATING_SAML11_ASSERTION

ID: WebServicesSecurity-27

Level: SEVERE

Description: Error during creation of SAML 1.1 Assertion by STS.

Data: Actual Error message

Triggers: Invalid parameters sent to create SAML 1.1 Assertion.

Actions: Check all the parameters sent to create SAML 1.1 Assertion.; Check debug file for detailed error.

ERROR_CREATING_SAML20_ASSERTION

ID: WebServicesSecurity-28

Level: SEVERE

Description: Error during creation of SAML 2.0 Assertion by STS.

Data: Actual Error message

Triggers: Invalid parameters sent to create SAML 2.0 Assertion.

Actions: Check all the parameters sent to create SAML 2.0 Assertion.; Check debug file for detailed error.

OpenAM logs the following AUTHENTICATION messages.

LOGIN_SUCCESS

ID: AUTHENTICATION-100

Level: INFO

Description: Authentication is Successful

Data: message, no session

Triggers: User authenticated with valid credentials

LOGIN_SUCCESS_USER

ID: AUTHENTICATION-101

Level: INFO

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

Description: User based authentication is successful

Data: message, authentication type, user name, no session

Triggers: User authenticated with valid credentials

LOGIN_SUCCESS_ROLE

ID: AUTHENTICATION-102

Level: INFO

Description: Role based authentication is successful

Data: message, authentication type, role name, no session

Triggers: User belonging to role authenticated with valid credentials

LOGIN_SUCCESS_SERVICE

ID: AUTHENTICATION-103

Level: INFO

Description: Service based authentication is successful

Data: message, authentication type, service name, no session

Triggers: User authenticated with valid credentials to a configured service under realm

LOGIN_SUCCESS_LEVEL

ID: AUTHENTICATION-104

Level: INFO

Description: Authentication level based authentication is successful

Data: message, authentication type, authentication level value, no session

Triggers: User authenticated with valid credentials to one or more authentication modules having authentication level value greater than or equal to specified authentication level

LOGIN_SUCCESS_MODULE_INSTANCE

ID: AUTHENTICATION-105

Level: INFO

Description: Module based authentication is successful

Data: message, authentication type, module name, no session

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

Triggers: User authenticated with valid credentials to authentication module under realm

LOGIN_FAILED

ID: AUTHENTICATION-200

Level: INFO

Description: Authentication Failed

Data: error message

Triggers: Incorrect/invalid credentials presented; User locked out/not active

Actions: Enter correct/valid credentials to required authentication module

LOGIN_FAILED_INVALIDPASSWORD

ID: AUTHENTICATION-201

Level: INFO

Description: Authentication Failed

Data: error message

Triggers: Invalid credentials entered.

Actions: Enter the correct password.

LOGIN_FAILED_NOCONFIG

ID: AUTHENTICATION-202

Level: INFO

Description: Authentication Failed

Data: error message

Triggers: Named Configuration (Auth Chain) does not exist.

Actions: Create and configure a named config for this org.

LOGIN_FAILED_NOUSERPROFILE

ID: AUTHENTICATION-203

Level: INFO

Description: Authentication Failed

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

Data: error message

Triggers: No user profile found for this user.

Actions: User does not exist in the datastore plugin configured and hence configure the datastore plugin for this realm/org correctly.

LOGIN_FAILED_USERINACTIVE

ID: AUTHENTICATION-204

Level: INFO

Description: Authentication Failed

Data: error message

Triggers: This user is not active.

Actions: Activate the user.

LOGIN_FAILED_LOCKEDOUT

ID: AUTHENTICATION-205

Level: INFO

Description: Authentication Failed

Data: error message

Triggers: Max number of failure attempts exceeded. User is Locked out.

Actions: Contact system administrator.

LOGIN_FAILED_ACCOUNTEXPIRED

ID: AUTHENTICATION-206

Level: INFO

Description: Authentication Failed

Data: error message

Triggers: User account has expired.

Actions: Contact system administrator.

LOGIN_FAILED_LOGINTIMEOUT

ID: AUTHENTICATION-207

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

Level: INFO

Description: Authentication Failed

Data: error message

Triggers: Login timed out.

Actions: Try to login again.

LOGIN_FAILED_MODULEDENIED

ID: AUTHENTICATION-208

Level: INFO

Description: Authentication Failed

Data: error message

Triggers: Authentication module is denied.

Actions: Configure this module or use some other module.

LOGIN_FAILED_MAXSESSIONREACHED

ID: AUTHENTICATION-209

Level: INFO

Description: Authentication Failed

Data: error message

Triggers: Limit for maximum number of allowed session has been reached.

Actions: Logout of a session or increase the limit.

LOGIN_FAILED_INVALIDDOMAIN

ID: AUTHENTICATION-210

Level: INFO

Description: Authentication Failed

Data: error message

Triggers: Org/Realm does not exists.

Actions: Use a valid Org/Realm.

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

LOGIN_FAILED_ORGINACTIVE

ID: AUTHENTICATION-211

Level: INFO

Description: Authentication Failed

Data: error message

Triggers: Org/Realm is not active.

Actions: Activate the Org/Realm.

LOGIN_FAILED_SESSIONCREATEERROR

ID: AUTHENTICATION-212

Level: INFO

Description: Authentication Failed

Data: error message

Triggers: Cannot create a session.

Actions: Ensure that session service is configured and maxsession is not reached.

LOGIN_FAILED_USER

ID: AUTHENTICATION-213

Level: INFO

Description: User based authentication failed

Data: error message, authentication type, user name

Triggers: No authentication configuration (chain of one or more authentication modules) configured for user; Incorrect/invalid credentials presented; User locked out/not active

Actions: Configure authentication configuration (chain of one or more authentication modules) for user; Enter correct/valid credentials to required authentication module

LOGIN_FAILED_USER_INVALIDPASSWORD

ID: AUTHENTICATION-214

Level: INFO

Description: Authentication Failed

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

Data: error message, authentication type, user name

Triggers: User based Auth. Invalid credentials entered.

Actions: Enter the correct password.

LOGIN_FAILED_USER_NOCONFIG

ID: AUTHENTICATION-215

Level: INFO

Description: Authentication Failed

Data: error message, authentication type, user name

Triggers: Named Configuration (Auth Chain) does not exist for this user

Actions: Create and configure a named config for this user

LOGIN_FAILED_USER_NOUSERPROFILE

ID: AUTHENTICATION-216

Level: INFO

Description: Authentication Failed

Data: error message, authentication type, user name

Triggers: User based Auth. No user profile found for this user.

Actions: User does not exist in the datastore plugin configured and hence configure the datastore plugin for this realm/org correctly.

LOGIN_FAILED_USER_USERINACTIVE

ID: AUTHENTICATION-217

Level: INFO

Description: Authentication Failed

Data: error message, authentication type, user name

Triggers: User based Auth. This user is not active.

Actions: Activate the user.

LOGIN_FAILED_USER_LOCKEDOUT

ID: AUTHENTICATION-218

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

Level: INFO

Description: Authentication Failed

Data: error message, authentication type, user name

Triggers: User based Auth. Max number of failure attempts exceeded. User is Locked out.

Actions: Contact system administrator.

LOGIN_FAILED_USER_ACCOUNTEXPIRED

ID: AUTHENTICATION-219

Level: INFO

Description: Authentication Failed

Data: error message, authentication type, user name

Triggers: User based Auth. User account has expired.

Actions: Contact system administrator.

LOGIN_FAILED_USER_LOGINTIMEOUT

ID: AUTHENTICATION-220

Level: INFO

Description: Authentication Failed

Data: error message, authentication type, user name

Triggers: User based Auth. Login timed out.

Actions: Try to login again.

LOGIN_FAILED_USER_MODULEDENIED

ID: AUTHENTICATION-221

Level: INFO

Description: Authentication Failed

Data: error message, authentication type, user name

Triggers: User based Auth. Authentication module is denied.

Actions: Configure this module or use some other module.

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

LOGIN_FAILED_USER_MAXSESSIONREACHED

ID: AUTHENTICATION-222

Level: INFO

Description: Authentication Failed

Data: error message, authentication type, user name

Triggers: User based auth. Limit for maximum number of allowed session has been reached.

Actions: Logout of a session or increase the limit.

LOGIN_FAILED_USER_INVALIDDOMAIN

ID: AUTHENTICATION-223

Level: INFO

Description: Authentication Failed

Data: error message, authentication type, user name

Triggers: User based auth. Org/Realm does not exists.

Actions: Use a valid Org/Realm.

LOGIN_FAILED_USER_ORGINACTIVE

ID: AUTHENTICATION-224

Level: INFO

Description: Authentication Failed

Data: error message, authentication type, user name

Triggers: User based auth. Org/Realm is not active.

Actions: Activate the Org/Realm.

LOGIN_FAILED_USER_SESSIONCREATEERROR

ID: AUTHENTICATION-225

Level: INFO

Description: Authentication Failed

Data: error message, authentication type, user name

Triggers: User based auth. Cannot create a session.

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

Actions: Ensure that session service is configured and maxsession is not reached.

LOGIN_FAILED_ROLE

ID: AUTHENTICATION-226

Level: INFO

Description: Role based authentication failed

Data: error message, authentication type, role name

Triggers: No authentication configuration (chain of one or more authentication modules) configured for role; Incorrect/invalid credentials presented; User does not belong to this role; User locked out/not active

Actions: Configure authentication configuration (chain of one or more authentication modules) for role; Enter correct/valid credentials to required authentication module; Assign this role to the authenticating user

LOGIN_FAILED_ROLE_INVALIDPASSWORD

ID: AUTHENTICATION-227

Level: INFO

Description: Authentication Failed

Data: error message, authentication type, role name

Triggers: Role based Auth. Invalid credentials entered.

Actions: Enter the correct password.

LOGIN_FAILED_ROLE_NOCONFIG

ID: AUTHENTICATION-228

Level: INFO

Description: Authentication Failed

Data: error message, authentication type, role name

Triggers: Named Configuration (Auth Chain) does not exist for this role.

Actions: Create and configure a named config for this role.

LOGIN_FAILED_ROLE_NOUSERPROFILE

ID: AUTHENTICATION-229

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

Level: INFO

Description: Authentication Failed

Data: error message, authentication type, role name

Triggers: Role based Auth. No user profile found for this user.

Actions: User does not exist in the datastore plugin configured and hence configure the datastore plugin for this realm/org correctly.

LOGIN_FAILED_ROLE_USERINACTIVE

ID: AUTHENTICATION-230

Level: INFO

Description: Authentication Failed

Data: error message, authentication type, role name

Triggers: Role based Auth. This user is not active.

Actions: Activate the user.

LOGIN_FAILED_ROLE_LOCKEDOUT

ID: AUTHENTICATION-231

Level: INFO

Description: Authentication Failed

Data: error message, authentication type, role name

Triggers: Role based Auth. Max number of failure attempts exceeded. User is Locked out.

Actions: Contact system administrator.

LOGIN_FAILED_ROLE_ACCOUNTEXPIRED

ID: AUTHENTICATION-232

Level: INFO

Description: Authentication Failed

Data: error message, authentication type, role name

Triggers: Role based Auth. User account has expired.

Actions: Contact system administrator.

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

LOGIN_FAILED_ROLE_LOGINTIMEOUT

ID: AUTHENTICATION-233

Level: INFO

Description: Authentication Failed

Data: error message, authentication type, role name

Triggers: Role based Auth. Login timed out.

Actions: Try to login again.

LOGIN_FAILED_ROLE_MODULEDENIED

ID: AUTHENTICATION-234

Level: INFO

Description: Authentication Failed

Data: error message, authentication type, role name

Triggers: Role based Auth. Authentication module is denied.

Actions: Configure this module or use some other module.

LOGIN_FAILED_ROLE_MAXSESSIONREACHED

ID: AUTHENTICATION-235

Level: INFO

Description: Authentication Failed

Data: error message, authentication type, role name

Triggers: Role based auth. Limit for maximum number of allowed session has been reached.

Actions: Logout of a session or increase the limit.

LOGIN_FAILED_ROLE_INVALIDDOMAIN

ID: AUTHENTICATION-236

Level: INFO

Description: Authentication Failed

Data: error message, authentication type, role name

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

Triggers: Role based auth. Org/Realm does not exists.

Actions: Use a valid Org/Realm.

LOGIN_FAILED_ROLE_ORGINACTIVE

ID: AUTHENTICATION-237

Level: INFO

Description: Authentication Failed

Data: error message, authentication type, role name

Triggers: Role based auth. Org/Realm is not active.

Actions: Activate the Org/Realm.

LOGIN_FAILED_ROLE_SESSIONCREATEERROR

ID: AUTHENTICATION-238

Level: INFO

Description: Authentication Failed

Data: error message, authentication type, role name

Triggers: Role based auth. Cannot create a session.

Actions: Ensure that session service is configured and maxsession is not reached.

LOGIN_FAILED_ROLE_USERNOTFOUND

ID: AUTHENTICATION-239

Level: INFO

Description: Authentication Failed

Data: error message, authentication type, role name

Triggers: Role based auth. User does not belong to this role.

Actions: Add the user to this role.

LOGIN_FAILED_SERVICE

ID: AUTHENTICATION-240

Level: INFO

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

Description: Service based authentication failed

Data: error message, authentication type, service name

Triggers: No authentication configuration (chain of one or more authentication modules) configured for service; Incorrect/invalid credentials presented; User locked out/not active

Actions: Configure authentication configuration (chain of one or more authentication modules) for service; Enter correct/valid credentials to required authentication module

LOGIN_FAILED_SERVICE_INVALIDPASSWORD

ID: AUTHENTICATION-241

Level: INFO

Description: Authentication Failed

Data: error message, authentication type, service name

Triggers: Service based Auth. Invalid credentials entered.

Actions: Enter the correct password.

LOGIN_FAILED_SERVICE_NOCONFIG

ID: AUTHENTICATION-242

Level: INFO

Description: Authentication Failed

Data: error message, authentication type, service name

Triggers: Named Configuration (Auth Chain) does not exist with this service name.

Actions: Create and configure a named config.

LOGIN_FAILED_SERVICE_NOUSERPROFILE

ID: AUTHENTICATION-243

Level: INFO

Description: Authentication Failed

Data: error message, authentication type, service name

Triggers: Service based Auth. No user profile found for this user.

Actions: User does not exist in the datastore plugin configured and hence configure the datastore plugin for this realm/org correctly.

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

LOGIN_FAILED_SERVICE_USERINACTIVE

ID: AUTHENTICATION-244

Level: INFO

Description: Authentication Failed

Data: error message, authentication type, service name

Triggers: Service based Auth. This user is not active.

Actions: Activate the user.

LOGIN_FAILED_SERVICE_LOCKEDOUT

ID: AUTHENTICATION-245

Level: INFO

Description: Authentication Failed

Data: error message, authentication type, service name

Triggers: Service based Auth. Max number of failure attempts exceeded. User is Locked out.

Actions: Contact system administrator.

LOGIN_FAILED_SERVICE_ACCOUNTEXPIRED

ID: AUTHENTICATION-246

Level: INFO

Description: Authentication Failed

Data: error message, authentication type, service name

Triggers: Service based Auth. User account has expired.

Actions: Contact system administrator.

LOGIN_FAILED_SERVICE_LOGINTIMEOUT

ID: AUTHENTICATION-247

Level: INFO

Description: Authentication Failed

Data: error message, authentication type, service name

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

Triggers: Service based Auth. Login timed out.

Actions: Try to login again.

LOGIN_FAILED_SERVICE_MODULEDENIED

ID: AUTHENTICATION-248

Level: INFO

Description: Authentication Failed

Data: error message, authentication type, service name

Triggers: Service based Auth. Authentication module is denied.

Actions: Configure this module or use some other module.

LOGIN_FAILED_SERVICE_NOSERVICE

ID: AUTHENTICATION-249

Level: INFO

Description: Authentication Failed

Data: error message, authentication type, service name

Triggers: Service based Auth. Service does not exist.

Actions: Please use only valid Service.

LOGIN_FAILED_SERVICE_MAXSESSIONREACHED

ID: AUTHENTICATION-250

Level: INFO

Description: Authentication Failed

Data: error message, authentication type, service name

Triggers: Service based auth. Limit for maximum number of allowed session has been reached.

Actions: Logout of a session or increase the limit.

LOGIN_FAILED_SERVICE_INVALIDDOMAIN

ID: AUTHENTICATION-251

Level: INFO

Description: Authentication Failed

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

Data: error message, authentication type, service name

Triggers: Service based auth. Org/Realm does not exists.

Actions: Use a valid Org/Realm.

LOGIN_FAILED_SERVICE_ORGINACTIVE

ID: AUTHENTICATION-252

Level: INFO

Description: Authentication Failed

Data: error message, authentication type, service name

Triggers: Service based auth. Org/Realm is not active.

Actions: Activate the Org/Realm.

LOGIN_FAILED_SERVICE_SESSIONCREATEERROR

ID: AUTHENTICATION-253

Level: INFO

Description: Authentication Failed

Data: error message, authentication type, service name

Triggers: Service based auth. Cannot create a session.

Actions: Ensure that session service is configured and maxsession is not reached.

LOGIN_FAILED_LEVEL

ID: AUTHENTICATION-254

Level: INFO

Description: Authentication level based authentication failed

Data: error message, authentication type, authentication level value

Triggers: There are no authentication module(s) having authentication level value greater than or equal to specified authentication level; Incorrect/invalid credentials presented to one or more authentication modules having authentication level greater than or equal to specified authentication level; User locked out/not active

Actions: Configure one or more authentication modules having authentication level value greater than or equal to required authentication level; Enter correct/valid credentials to one

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

or more authentication modules having authentication level greater than or equal to specified authentication level

LOGIN_FAILED_LEVEL_INVALIDPASSWORD

ID: AUTHENTICATION-255

Level: INFO

Description: Authentication Failed

Data: error message, authentication type, authentication level value

Triggers: Level based Auth. Invalid credentials entered.

Actions: Enter the correct password.

LOGIN_FAILED_LEVEL_NOCONFIG

ID: AUTHENTICATION-256

Level: INFO

Description: Authentication Failed

Data: error message, authentication type, authentication level value

Triggers: Level based Auth. No Auth Configuration available.

Actions: Create an auth configuration.

LOGIN_FAILED_LEVEL_NOUSERPROFILE

ID: AUTHENTICATION-257

Level: INFO

Description: Authentication Failed

Data: error message, authentication type, authentication level value

Triggers: Level based Auth. No user profile found for this user.

Actions: User does not exist in the datastore plugin configured and hence configure the datastore plugin for this realm/org correctly.

LOGIN_FAILED_LEVEL_USERINACTIVE

ID: AUTHENTICATION-258

Level: INFO

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

Description: Authentication Failed

Data: error message, authentication type, authentication level value

Triggers: Level based Auth. This user is not active.

Actions: Activate the user.

LOGIN_FAILED_LEVEL_LOCKEDOUT

ID: AUTHENTICATION-259

Level: INFO

Description: Authentication Failed

Data: error message, authentication type, authentication level value

Triggers: Level based Auth. Max number of failure attempts exceeded. User is Locked out.

Actions: Contact system administrator.

LOGIN_FAILED_LEVEL_ACCOUNTEXPIRED

ID: AUTHENTICATION-260

Level: INFO

Description: Authentication Failed

Data: error message, authentication type, authentication level value

Triggers: Level based Auth. User account has expired.

Actions: Contact system administrator.

LOGIN_FAILED_LEVEL_LOGINTIMEOUT

ID: AUTHENTICATION-261

Level: INFO

Description: Authentication Failed

Data: error message, authentication type, authentication level value

Triggers: Level based Auth. Login timed out.

Actions: Try to login again.

LOGIN_FAILED_LEVEL_MODULEDENIED

ID: AUTHENTICATION-262

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

Level: INFO

Description: Authentication Failed

Data: error message, authentication type, authentication level value

Triggers: Level based Auth. Authentication module is denied.

Actions: Configure this module or use some other module.

LOGIN_FAILED_LEVEL_INCORRECTLEVEL

ID: AUTHENTICATION-263

Level: INFO

Description: Authentication Failed

Data: error message, authentication type, authentication level value

Triggers: Level based Auth. Invalid Authg Level.

Actions: Please specify valid auth level.

LOGIN_FAILED_LEVEL_MAXSESSIONREACHED

ID: AUTHENTICATION-264

Level: INFO

Description: Authentication Failed

Data: error message, authentication type, authentication level value

Triggers: Level based auth. Limit for maximum number of allowed session has been reached.

Actions: Logout of a session or increase the limit.

LOGIN_FAILED_LEVEL_INVALIDDOMAIN

ID: AUTHENTICATION-265

Level: INFO

Description: Authentication Failed

Data: error message, authentication type, authentication level value

Triggers: Level based auth. Org/Realm does not exists.

Actions: Use a valid Org/Realm.

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

LOGIN_FAILED_LEVEL_ORGINACTIVE

ID: AUTHENTICATION-266

Level: INFO

Description: Authentication Failed

Data: error message, authentication type, authentication level value

Triggers: Level based auth. Org/Realm is not active.

Actions: Activate the Org/Realm.

LOGIN_FAILED_LEVEL_SESSIONCREATEERROR

ID: AUTHENTICATION-267

Level: INFO

Description: Authentication Failed

Data: error message, authentication type, authentication level value

Triggers: Level based auth. Cannot create a session.

Actions: Ensure that session service is configured and maxsession is not reached.

LOGIN_FAILED_MODULE_INSTANCE

ID: AUTHENTICATION-268

Level: INFO

Description: Module based authentication failed

Data: error message, authentication type, module name

Triggers: Module is not registered/configured under realm; Incorrect/invalid credentials presented; User locked out/not active

Actions: Register/configure authentication module under realm; Enter correct/valid credentials to authentication module

LOGIN_FAILED_MODULE_INSTANCE_INVALIDPASSWORD

ID: AUTHENTICATION-269

Level: INFO

Description: Authentication Failed

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

Data: error message, authentication type, module name

Triggers: Module based Auth. Invalid credentials entered.

Actions: Enter the correct password.

LOGIN_FAILED_MODULE_INSTANCE_NOUSERPROFILE

ID: AUTHENTICATION-270

Level: INFO

Description: Authentication Failed

Data: error message, authentication type, module name

Triggers: Module based Auth. No user profile found for this user.

Actions: User does not exist in the datastore plugin configured and hence configure the datastore plugin for this realm/org correctly.

LOGIN_FAILED_MODULE_INSTANCE_USERINACTIVE

ID: AUTHENTICATION-271

Level: INFO

Description: Authentication Failed

Data: error message, authentication type, module name

Triggers: Module based Auth. This user is not active.

Actions: Activate the user.

LOGIN_FAILED_MODULE_INSTANCE_LOCKEDOUT

ID: AUTHENTICATION-272

Level: INFO

Description: Authentication Failed

Data: error message, authentication type, module name

Triggers: Module based Auth. Max number of failure attempts exceeded. User is Locked out.

Actions: Contact system administrator.

LOGIN_FAILED_MODULE_INSTANCE_ACCOUNTEXPIRED

ID: AUTHENTICATION-273

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

Level: INFO

Description: Authentication Failed

Data: error message, authentication type, module name

Triggers: Module based Auth. User account has expired.

Actions: Contact system administrator.

LOGIN_FAILED_MODULE_INSTANCE_LOGINTIMEOUT

ID: AUTHENTICATION-274

Level: INFO

Description: Authentication Failed

Data: error message, authentication type, module name

Triggers: Module based Auth. Login timed out.

Actions: Try to login again.

LOGIN_FAILED_MODULE_INSTANCE_MODULEDENIED

ID: AUTHENTICATION-275

Level: INFO

Description: Authentication Failed

Data: error message, authentication type, module name

Triggers: Module based Auth. Authentication module is denied.

Actions: Configure this module or use some other module.

LOGIN_FAILED_MODULE_INSTANCE_MAXSESSIONREACHED

ID: AUTHENTICATION-276

Level: INFO

Description: Authentication Failed

Data: error message, authentication type, module name

Triggers: Module based auth. Limit for maximum number of allowed session has been reached.

Actions: Logout of a session or increase the limit.

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

LOGIN_FAILED_MODULE_INSTANCE_INVALIDDOMAIN

ID: AUTHENTICATION-277

Level: INFO

Description: Authentication Failed

Data: error message, authentication type, module name

Triggers: Module based auth. Org/Realm does not exists.

Actions: Use a valid Org/Realm.

LOGIN_FAILED_MODULE_INSTANCE_ORGINACTIVE

ID: AUTHENTICATION-278

Level: INFO

Description: Authentication Failed

Data: error message, authentication type, module name

Triggers: Module based auth. Org/Realm is not active.

Actions: Activate the Org/Realm.

LOGIN_FAILED_MODULE_INSTANCE_SESSIONCREATEERROR

ID: AUTHENTICATION-279

Level: INFO

Description: Authentication Failed

Data: error message, authentication type, module name

Triggers: Module based auth. Cannot create a session.

Actions: Ensure that session service is configured and maxsession is not reached.

LOGOUT

ID: AUTHENTICATION-300

Level: INFO

Description: User logout is Successful

Data: message

Triggers: User logged out

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

LOGOUT_USER

ID: AUTHENTICATION-301

Level: INFO

Description: User logout is successful from user based authentication

Data: message, authentication type, user name

Triggers: User logged out

LOGOUT_ROLE

ID: AUTHENTICATION-302

Level: INFO

Description: User logout is successful from role based authentication

Data: message, authentication type, role name

Triggers: User belonging to this role logged out

LOGOUT_SERVICE

ID: AUTHENTICATION-303

Level: INFO

Description: User logout is successful from service based authentication

Data: message, authentication type, service name

Triggers: User logged out of a configured service under realm

LOGOUT_LEVEL

ID: AUTHENTICATION-304

Level: INFO

Description: User logout is successful from authentication level based authentication

Data: message, authentication type, authentication level value

Triggers: User logged out of one or more authentication modules having authentication level value greater than or equal to specified authentication level

LOGOUT_MODULE_INSTANCE

ID: AUTHENTICATION-305

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

Level: INFO

Description: User logout is successful from module based authentication

Data: message, authentication type, module name

Triggers: User logged out of authentication module under realm

CHANGE_USER_PASSWORD_FAILED

ID: AUTHENTICATION-306

Level: INFO

Description: Change user password failed

Data: error message

Triggers: Change user password in authentication screen due to directory server password policy.

Actions: Enter password which meets directory server password policy

CHANGE_USER_PASSWORD_SUCCEEDED

ID: AUTHENTICATION-307

Level: INFO

Description: Changing user password succeeded

Data: message

Triggers: Change user password in authentication screen due to directory server password policy.

CREATE_USER_PROFILE_FAILED

ID: AUTHENTICATION-308

Level: INFO

Description: Create user password failed

Data: error message, user name

Triggers: Create new user in Membership module

Actions: Make sure password entered meets directory server password policy

OpenAM logs the following AMCLI messages.

ATTEMPT_LOGIN

ID: AMCLI-1

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

Level: INFO

Description: Attempt to login to execute the commandline.

Data: user ID

Triggers: Run the Commandline tool.

SUCCEED_LOGIN

ID: AMCLI-2

Level: INFO

Description: Login to execute the commandline.

Data: user ID

Triggers: Run the Commandline tool.

FAILED_LOGIN

ID: AMCLI-3

Level: INFO

Description: Failed to login.

Data: user ID, error message

Triggers: Run the Commandline tool.

Actions: Check your user ID and password.; Look under debug file for more information.

ATTEMPT_LOAD_SCHEMA

ID: AMCLI-20

Level: INFO

Description: Attempt to load schema to data store.

Data: XML file name

Triggers: Load Schema through Commandline interface.

SUCCESS_LOAD_SCHEMA

ID: AMCLI-21

Level: INFO

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

Description: Schema is loaded to data store.

Data: XML file name

Triggers: Load Schema through Commandline interface.

FAILED_LOAD_SCHEMA

ID: AMCLI-22

Level: SEVERE

Description: Schema is not loaded to data store.

Data: XML file name, error message

Triggers: Load Schema through Commandline interface.

Actions: Look under debug file for more information.

ATTEMPT_DELETE_SERVICE

ID: AMCLI-30

Level: INFO

Description: Attempt to delete service from data store.

Data: service name

Triggers: Delete Service through Commandline interface.

SUCCESS_DELETE_SERVICE

ID: AMCLI-31

Level: INFO

Description: Deleted service from data store.

Data: service name

Triggers: Delete Service through Commandline interface.

FAILED_DELETE_SERVICE

ID: AMCLI-32

Level: SEVERE

Description: Schema is not loaded to data store.

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

Data: service name, error message

Triggers: Delete Service Schema through Commandline interface.

Actions: Look under debug file for more information.

ATTEMPT_ADD_ATTRIBUTE_SCHEMA

ID: AMCLI-40

Level: INFO

Description: Attempt to attribute schema to an existing service.

Data: service name, schema type, XML file name

Triggers: Add attribute schema through Commandline interface.

SUCCESS_ADD_ATTRIBUTE_SCHEMA

ID: AMCLI-41

Level: INFO

Description: Added attribute schema to existing service.

Data: service name, schema type, XML file name

Triggers: Add attribute schema through Commandline interface.

FAILED_ADD_ATTRIBUTE_SCHEMA

ID: AMCLI-42

Level: SEVERE

Description: Attribute schema is not added to existing service.

Data: service name, schema type, XML file name, error message

Triggers: Add attribute schema through Commandline interface.

Actions: Check the service name, schema type and XML file.; Look under debug file for more information.

ATTEMPT_ADD_RESOURCE_BUNDLE

ID: AMCLI-50

Level: INFO

Description: Attempt to add resource bundle to data store.

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

Data: resource bundle name, file name, locale

Triggers: Add Resource Bundle through Commandline interface.

SUCCEED_ADD_RESOURCE_BUNDLE

ID: AMCLI-51

Level: INFO

Description: Resource bundle is added to data store.

Data: resource bundle name, file name, locale

Triggers: Add Resource Bundle through Commandline interface.

FAILED_ADD_RESOURCE_BUNDLE

ID: AMCLI-52

Level: SEVERE

Description: Failed to add resource bundle to data store.

Data: resource bundle name, file name, locale, error message

Triggers: SDK for adding resource bundle failed.

Actions: Look under debug file for more information.

ATTEMPT_GET_RESOURCE_BUNDLE

ID: AMCLI-60

Level: INFO

Description: Attempt to get resource bundle from data store.

Data: resource bundle name, locale

Triggers: Get Resource Bundle through Commandline interface.

SUCCEED_GET_RESOURCE_BUNDLE

ID: AMCLI-61

Level: INFO

Description: Resource bundle retrieved from data store.

Data: resource bundle name, locale

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

Triggers: Get Resource Bundle through Commandline interface.

FAILED_GET_RESOURCE_BUNDLE

ID: AMCLI-62

Level: SEVERE

Description: Failed to get resource bundle from data store.

Data: resource bundle name, locale, error message

Triggers: SDK for getting resource bundle failed.

Actions: Look under debug file for more information.

ATTEMPT_DELETE_RESOURCE_BUNDLE

ID: AMCLI-70

Level: INFO

Description: Attempt to delete resource bundle from data store.

Data: resource bundle name, locale

Triggers: Delete Resource Bundle through Commandline interface.

SUCCEED_DELETE_RESOURCE_BUNDLE

ID: AMCLI-71

Level: INFO

Description: Resource bundle deleted from data store.

Data: resource bundle name, locale

Triggers: Delete Resource Bundle through Commandline interface.

FAILED_DELETE_RESOURCE_BUNDLE

ID: AMCLI-72

Level: SEVERE

Description: Failed to delete resource bundle from data store.

Data: resource bundle name, locale, error message

Triggers: SDK for deleting resource bundle failed.

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

Actions: Look under debug file for more information.

ATTEMPT_SESSION_DESTROY

ID: AMCLI-100

Level: INFO

Description: Attempt to destroy Session destroyed

Data: name of user

Triggers: Administrator invalidates session via Commandline interface.

SUCCEED_SESSION_DESTROY

ID: AMCLI-101

Level: INFO

Description: Session destroyed

Data: name of user

Triggers: Administrator invalidates session via Commandline interface.

FAILED_SESSION_DESTROY

ID: AMCLI-102

Level: SEVERE

Description: Failed to destroy session

Data: name of user, error message

Triggers: Session cannot be destroyed.

Actions: Look under debug file for more information.

ATTEMPT_MIGRATION_ENTRY

ID: AMCLI-1000

Level: INFO

Description: Attempt to migration organization to realm/

Data: distinguished name of organization

Triggers: Migration Commandline interface.

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

SUCCEED_MIGRATION_ENTRY

ID: AMCLI-1001

Level: INFO

Description: Migration completed.

Data: distinguished name of organization

Triggers: Migration Commandline interface.

ATTEMPT_DELETE_REALM

ID: AMCLI-2000

Level: INFO

Description: Attempt to delete realm/

Data: name of realm, recursive

Triggers: Delete realm command through Commandline interface.

SUCCEED_DELETE_REALM

ID: AMCLI-2001

Level: INFO

Description: Realm deleted.

Data: name of realm, recursive

Triggers: Delete realm command through Commandline interface.

FAILED_DELETE_REALM

ID: AMCLI-2002

Level: INFO

Description: Failed to delete realm.

Data: name of realm, recursive, error message

Triggers: Delete realm command through Commandline interface.

Actions: Look under debug file for more information.

ATTEMPT_CREATE_REALM

ID: AMCLI-2010

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

Level: INFO

Description: Attempt to create realm/

Data: name of realm

Triggers: Create realm command through Commandline interface.

SUCCEED_CREATE_REALM

ID: AMCLI-2011

Level: INFO

Description: Realm created.

Data: name of realm

Triggers: Create realm command through Commandline interface.

FAILED_CREATE_REALM

ID: AMCLI-2012

Level: INFO

Description: Failed to create realm.

Data: name of realm, error message

Triggers: Create realm command through Commandline interface.

Actions: Look under debug file for more information.

ATTEMPT_SEARCH_REALM

ID: AMCLI-3020

Level: INFO

Description: Attempt to search for realms by name.

Data: name of realm, search pattern, recursive

Triggers: Search realms command through Commandline interface.

SUCCEED_SEARCH_REALM

ID: AMCLI-3021

Level: INFO

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

Description: Completed searching for realms.

Data: name of realm, search pattern, recursive

Triggers: Search realms command through Commandline interface.

FAILED_SEARCH_REALM

ID: AMCLI-3022

Level: INFO

Description: Search for realms failed.

Data: name of realm, search pattern, recursive, error message

Triggers: Search realms command through Commandline interface.

Actions: Look under debug file for more information.

ATTEMPT_GET_ASSIGNABLE_SERVICES_OF_REALM

ID: AMCLI-2020

Level: INFO

Description: Attempt to get assignable services of realm.

Data: name of realm

Triggers: Execute get assignable services of realm Commandline interface.

SUCCEED_GET_ASSIGNABLE_SERVICES_OF_REALM

ID: AMCLI-2021

Level: INFO

Description: Assignable services command is serviced.

Data: name of realm

Triggers: Execute get assignable services of realm Commandline interface.

FAILED_GET_ASSIGNABLE_SERVICES_OF_REALM

ID: AMCLI-2022

Level: INFO

Description: Unable to get assignable services of realm.

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

Data: name of realm, error message

Triggers: Execute get assignable services of realm Commandline interface.

Actions: Look under debug file for more information.

ATTEMPT_GET_ASSIGNED_SERVICES_OF_REALM

ID: AMCLI-2030

Level: INFO

Description: Attempt to get services assigned to a realm.

Data: name of realm, include mandatory services

Triggers: Execute get services assigned to realm Commandline interface.

SUCCEED_GET_ASSIGNED_SERVICES_OF_REALM

ID: AMCLI-2031

Level: INFO

Description: Assignable services command is serviced.

Data: name of realm, include mandatory services

Triggers: Execute get services assigned to realm Commandline interface.

FAILED_GET_ASSIGNED_SERVICES_OF_REALM

ID: AMCLI-2032

Level: INFO

Description: Unable to get services assigned to realm.

Data: name of realm, include mandatory services, error message

Triggers: Execute get services assigned to realm Commandline interface.

Actions: Look under debug file for more information.

ATTEMPT_ASSIGN_SERVICE_TO_REALM

ID: AMCLI-2040

Level: INFO

Description: Attempt to assign service to a realm.

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

Data: name of realm, name of service

Triggers: Execute assign service to realm Commandline interface.

SUCCEED_ASSIGN_SERVICE_TO_REALM

ID: AMCLI-2041

Level: INFO

Description: Service is assigned to realm.

Data: name of realm, name of service

Triggers: Execute assign service to realm Commandline interface.

FAILED_ASSIGN_SERVICE_TO_REALM

ID: AMCLI-2042

Level: INFO

Description: Unable to assign service to realm.

Data: name of realm, name of service, error message

Triggers: Execute assign service to realm Commandline interface.

Actions: Look under debug file for more information.

ATTEMPT_UNASSIGN_SERVICE_FROM_REALM

ID: AMCLI-2050

Level: INFO

Description: Attempt to unassign service from a realm.

Data: name of realm, name of service

Triggers: Execute unassign service from realm Commandline interface.

SUCCEED_UNASSIGN_SERVICE_FROM_REALM

ID: AMCLI-2051

Level: INFO

Description: Service is unassigned from realm.

Data: name of realm, name of service

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

Triggers: Execute unassign service from realm Commandline interface.

FAILED_UNASSIGN_SERVICE_FROM_REALM

ID: AMCLI-2052

Level: INFO

Description: Unable to unassign service from realm.

Data: name of realm, name of service, error message

Triggers: Execute unassign service from realm Commandline interface.

Actions: Look under debug file for more information.

ATTEMPT_GET_REALM_SERVICE_ATTR_VALUES

ID: AMCLI-2060

Level: INFO

Description: Attempt to get service attribute values from a realm.

Data: name of realm, name of service

Triggers: Execute get service attribute values from realm Commandline interface.

SUCCEED_GET_REALM_SERVICE_ATTR_VALUES

ID: AMCLI-2061

Level: INFO

Description: Service attribute values of realm is returneed.

Data: name of realm, name of service

Triggers: Execute get service attribute values from realm Commandline interface.

FAILED_GET_REALM_SERVICE_ATTR_VALUES

ID: AMCLI-2062

Level: INFO

Description: Unable to get service attribute values of realm.

Data: name of realm, name of service, error message

Triggers: Execute get service attribute values from realm Commandline interface.

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

Actions: Look under debug file for more information.

ATTEMPT_REMOVE_REALM_ATTRIBUTE

ID: AMCLI-2070

Level: INFO

Description: Attempt to remove attribute from a realm.

Data: name of realm, name of service, name of attribute

Triggers: Execute remove attribute from realm Commandline interface.

SUCCEED_REMOVE_REALM_ATTRIBUTE

ID: AMCLI-2071

Level: INFO

Description: Attribute of realm is removed.

Data: name of realm, name of service, name of attribute

Triggers: Execute remove attribute from realm Commandline interface.

FAILED_REMOVE_REALM_ATTRIBUTE

ID: AMCLI-2072

Level: INFO

Description: Unable to remove attribute from realm.

Data: name of realm, name of service, name of attribute, error message

Triggers: Execute remove attribute from realm Commandline interface.

Actions: Look under debug file for more information.

ATTEMPT_MODIFY_SERVICE_REALM

ID: AMCLI-2080

Level: INFO

Description: Attempt to modify service of realm.

Data: name of realm, name of service

Triggers: Execute modify service of realm Commandline interface.

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

SUCCEED_MODIFY_SERVICE_REALM

ID: AMCLI-2081

Level: INFO

Description: Attribute of realm is modified.

Data: name of realm, name of service

Triggers: Execute modify service of realm Commandline interface.

FAILED_MODIFY_SERVICE_REALM

ID: AMCLI-2082

Level: INFO

Description: Unable to modify service of realm.

Data: name of realm, name of service, error message

Triggers: Execute modify service of realm Commandline interface.

Actions: Look under debug file for more information.

ATTEMPT_ADD_ATTR_VALUES_REALM

ID: AMCLI-2090

Level: INFO

Description: Attempt to add attribute value to realm.

Data: name of realm, name of service, name of attribute

Triggers: Execute add attribute values to realm Commandline interface.

SUCCEED_ADD_ATTR_VALUES_REALM

ID: AMCLI-2091

Level: INFO

Description: Attribute values is added to realm.

Data: name of realm, name of service, name of attribute

Triggers: Execute add attribute values to realm Commandline interface.

FAILED_ADD_ATTR_VALUES_REALM

ID: AMCLI-2092

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

Level: INFO

Description: Unable to add attribute values to realm.

Data: name of realm, name of service, name of attribute, error message

Triggers: Execute add attribute values to realm Commandline interface.

Actions: Look under debug file for more information.

ATTEMPT_SET_ATTR_VALUES_REALM

ID: AMCLI-2100

Level: INFO

Description: Attempt to set attribute value to realm.

Data: name of realm, name of service

Triggers: Execute set attribute values to realm Commandline interface.

SUCCEED_SET_ATTR_VALUES_REALM

ID: AMCLI-2101

Level: INFO

Description: Attribute values is set to realm.

Data: name of realm, name of service

Triggers: Execute set attribute values to realm Commandline interface.

FAILED_SET_ATTR_VALUES_REALM

ID: AMCLI-2102

Level: INFO

Description: Unable to set attribute values to realm.

Data: name of realm, name of service, error message

Triggers: Execute set attribute values to realm Commandline interface.

Actions: Look under debug file for more information.

ATTEMPT_REMOVE_SCHEMA_ATTR_DEFAULTS

ID: AMCLI-2110

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

Level: INFO

Description: Attempt to remove schema attribute defaults.

Data: name of service, schema type, name of sub schema, name of attribute

Triggers: Execute remove schema attribute defaults Commandline interface.

SUCCEED_REMOVE_SCHEMA_ATTR_DEFAULTS

ID: AMCLI-2111

Level: INFO

Description: Schema attribute defaults is removed.

Data: name of service, schema type, name of sub schema, name of attribute

Triggers: Execute remove schema attribute defaults Commandline interface.

FAILED_REMOVE_SCHEMA_ATTR_DEFAULTS

ID: AMCLI-2112

Level: INFO

Description: Unable to remove schema attribute defaults.

Data: name of service, schema type, name of sub schema, name of attribute, error message

Triggers: Execute remove schema attribute defaults Commandline interface.

Actions: Look under debug file for more information.

ATTEMPT_ADD_SCHEMA_ATTR_DEFAULTS

ID: AMCLI-2120

Level: INFO

Description: Attempt to add schema attribute defaults.

Data: name of service, schema type, name of sub schema, name of attribute

Triggers: Execute add schema attribute defaults Commandline interface.

SUCCEED_ADD_SCHEMA_ATTR_DEFAULTS

ID: AMCLI-2121

Level: INFO

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

Description: Schema attribute defaults is added.

Data: name of service, schema type, name of sub schema, name of attribute

Triggers: Execute add schema attribute defaults Commandline interface.

FAILED_ADD_SCHEMA_ATTR_DEFAULTS

ID: AMCLI-2122

Level: INFO

Description: Unable to add schema attribute defaults.

Data: name of service, schema type, name of sub schema, name of attribute, error message

Triggers: Execute add schema attribute defaults Commandline interface.

Actions: Look under debug file for more information.

ATTEMPT_GET_SCHEMA_ATTR_DEFAULTS

ID: AMCLI-2130

Level: INFO

Description: Attempt to get schema attribute defaults.

Data: name of service, schema type, name of sub schema

Triggers: Execute get schema attribute defaults Commandline interface.

SUCCEED_GET_SCHEMA_ATTR_DEFAULTS

ID: AMCLI-2131

Level: INFO

Description: Schema attribute defaults is returned.

Data: name of service, schema type, name of sub schema

Triggers: Execute get schema attribute defaults Commandline interface.

FAILED_GET_SCHEMA_ATTR_DEFAULTS

ID: AMCLI-2132

Level: INFO

Description: Unable to get schema attribute defaults.

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

Data: name of service, schema type, name of sub schema, error message

Triggers: Execute get schema attribute defaults Commandline interface.

Actions: Look under debug file for more information.

ATTEMPT_SET_SCHEMA_ATTR_DEFAULTS

ID: AMCLI-2140

Level: INFO

Description: Attempt to set schema attribute defaults.

Data: name of service, schema type, name of sub schema

Triggers: Execute set schema attribute defaults Commandline interface.

SUCCEED_SET_SCHEMA_ATTR_DEFAULTS

ID: AMCLI-2141

Level: INFO

Description: Schema attribute defaults is set.

Data: name of service, schema type, name of sub schema

Triggers: Execute set schema attribute defaults Commandline interface.

FAILED_SET_SCHEMA_ATTR_DEFAULTS

ID: AMCLI-2142

Level: INFO

Description: Unable to set schema attribute defaults.

Data: name of service, schema type, name of sub schema, error message

Triggers: Execute set schema attribute defaults Commandline interface.

Actions: Look under debug file for more information.

ATTEMPT_ADD_ATTRIBUTE_SCHEMA_CHOICE_VALUES

ID: AMCLI-2150

Level: INFO

Description: Attempt to add choice value to attribute schema.

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

Data: name of service, schema type, name of sub schema, name of attribute schema

Triggers: Execute add attribute schema choice values Commandline interface.

SUCCEED_ADD_ATTRIBUTE_SCHEMA_CHOICE_VALUES

ID: AMCLI-2151

Level: INFO

Description: Choice values are added.

Data: name of service, schema type, name of sub schema, name of attribute schema

Triggers: Execute add attribute schema choice values Commandline interface.

FAILED_ADD_ATTRIBUTE_SCHEMA_CHOICE_VALUES

ID: AMCLI-2152

Level: INFO

Description: Unable to add choice value to attribute schema.

Data: name of service, schema type, name of sub schema, name of attribute schema, error message

Triggers: Execute add attribute schema choice values Commandline interface.

Actions: Look under debug file for more information.

ATTEMPT_GET_ATTRIBUTE_SCHEMA_CHOICE_VALUES

ID: AMCLI-2155

Level: INFO

Description: Attempt to get choice value to attribute schema.

Data: name of service, schema type, name of sub schema, name of attribute schema

Triggers: Execute get attribute schema choice values Commandline interface.

SUCCEED_GET_ATTRIBUTE_SCHEMA_CHOICE_VALUES

ID: AMCLI-2156

Level: INFO

Description: Choice values are listed.

Data: name of service, schema type, name of sub schema, name of attribute schema

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

Triggers: Execute get attribute schema choice values Commandline interface.

FAILED_GET_ATTRIBUTE_SCHEMA_CHOICE_VALUES

ID: AMCLI-2157

Level: INFO

Description: Unable to get choice value to attribute schema.

Data: name of service, schema type, name of sub schema, name of attribute schema, error message

Triggers: Execute get attribute schema choice values Commandline interface.

Actions: Look under debug file for more information.

ATTEMPT_REMOVE_ATTRIBUTE_SCHEMA_CHOICE_VALUE

ID: AMCLI-2160

Level: INFO

Description: Attempt to remove choice value from attribute schema.

Data: name of service, schema type, name of sub schema, name of attribute schema

Triggers: Execute remove attribute schema choice values Commandline interface.

SUCCEED_REMOVE_ATTRIBUTE_SCHEMA_CHOICE_VALUE

ID: AMCLI-2161

Level: INFO

Description: Choice value is removed.

Data: name of service, schema type, name of sub schema, name of attribute schema

Triggers: Execute remove attribute schema choice values Commandline interface.

FAILED_REMOVE_ATTRIBUTE_SCHEMA_CHOICE_VALUE

ID: AMCLI-2162

Level: INFO

Description: Unable to remove choice value to attribute schema.

Data: name of service, schema type, name of sub schema, name of attribute schema, error message

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

Triggers: Execute remove attribute schema choice values Commandline interface.

Actions: Look under debug file for more information.

ATTEMPT_MODIFY_ATTRIBUTE_SCHEMA_TYPE

ID: AMCLI-2170

Level: INFO

Description: Attempt to modify attribute schema type.

Data: name of service, schema type, name of sub schema, name of attribute schema, attribute schema type

Triggers: Execute modify attribute schema type Commandline interface.

SUCCEED_MODIFY_ATTRIBUTE_SCHEMA_TYPE

ID: AMCLI-2171

Level: INFO

Description: Attribute schema type is modified.

Data: name of service, schema type, name of sub schema, name of attribute schema, attribute schema type

Triggers: Execute modify attribute schema type Commandline interface.

FAILED_MODIFY_ATTRIBUTE_SCHEMA_TYPE

ID: AMCLI-2172

Level: INFO

Description: Unable to modify attribute schema type.

Data: name of service, schema type, name of sub schema, name of attribute schema, attribute schema type, error message

Triggers: Execute modify attribute schema type Commandline interface.

Actions: Look under debug file for more information.

ATTEMPT_MODIFY_ATTRIBUTE_SCHEMA_UI_TYPE

ID: AMCLI-2180

Level: INFO

Description: Attempt to modify attribute schema UI type.

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

Data: name of service, schema type, name of sub schema, name of attribute schema, attribute schema UI type

Triggers: Execute modify attribute schema UI type Commandline interface.

SUCCEED_MODIFY_ATTRIBUTE_SCHEMA_UI_TYPE

ID: AMCLI-2181

Level: INFO

Description: Attribute schema UI type is modified.

Data: name of service, schema type, name of sub schema, name of attribute schema, attribute schema UI type

Triggers: Execute modify attribute schema UI type Commandline interface.

FAILED_MODIFY_ATTRIBUTE_SCHEMA_UI_TYPE

ID: AMCLI-2182

Level: INFO

Description: Unable to modify attribute schema UI type.

Data: name of service, schema type, name of sub schema, name of attribute schema, attribute schema UI type, error message

Triggers: Execute modify attribute schema UI type Commandline interface.

Actions: Look under debug file for more information.

ATTEMPT_MODIFY_ATTRIBUTE_SCHEMA_SYNTAX

ID: AMCLI-2190

Level: INFO

Description: Attempt to modify attribute schema syntax.

Data: name of service, schema type, name of sub schema, name of attribute schema, attribute schema syntax

Triggers: Execute modify attribute schema syntax Commandline interface.

SUCCEED_MODIFY_ATTRIBUTE_SCHEMA_SYNTAX

ID: AMCLI-2191

Level: INFO

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

Description: Attribute schema syntax is modified.

Data: name of service, schema type, name of sub schema, name of attribute schema, attribute schema syntax

Triggers: Execute modify attribute schema syntax Commandline interface.

FAILED_MODIFY_ATTRIBUTE_SCHEMA_SYNTAX

ID: AMCLI-2192

Level: INFO

Description: Unable to modify attribute schema syntax.

Data: name of service, schema type, name of sub schema, name of attribute schema, attribute schema syntax, error message

Triggers: Execute modify attribute schema syntax Commandline interface.

Actions: Look under debug file for more information.

ATTEMPT_MODIFY_ATTRIBUTE_SCHEMA_I18N_KEY

ID: AMCLI-2200

Level: INFO

Description: Attempt to modify attribute schema i18n Key.

Data: name of service, schema type, name of sub schema, name of attribute schema, attribute schema i18n Key

Triggers: Execute modify attribute schema i18n Key Commandline interface.

SUCCEED_MODIFY_ATTRIBUTE_SCHEMA_I18N_KEY

ID: AMCLI-2201

Level: INFO

Description: Attribute schema i18n Key is modified.

Data: name of service, schema type, name of sub schema, name of attribute schema, attribute schema i18n Key

Triggers: Execute modify attribute schema i18n Key Commandline interface.

FAILED_MODIFY_ATTRIBUTE_SCHEMA_I18N_KEY

ID: AMCLI-2202

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

Level: INFO

Description: Unable to modify attribute schema i18n Key.

Data: name of service, schema type, name of sub schema, name of attribute schema, attribute schema i18n Key, error message

Triggers: Execute modify attribute schema i18n Key Commandline interface.

Actions: Look under debug file for more information.

ATTEMPT_MODIFY_ATTRIBUTE_SCHEMA_PROPERTIES_VIEW_BEAN_URL

ID: AMCLI-2210

Level: INFO

Description: Attempt to modify attribute schema properties view bean URL.

Data: name of service, schema type, name of sub schema, name of attribute schema, attribute schema properties view bean URL

Triggers: Execute modify attribute schema properties view bean URL Commandline interface.

SUCCEED_MODIFY_ATTRIBUTE_SCHEMA_PROPERTIES_VIEW_BEAN_URL

ID: AMCLI-2211

Level: INFO

Description: Attribute schema properties view bean URL is modified.

Data: name of service, schema type, name of sub schema, name of attribute schema, attribute schema properties view bean URL

Triggers: Execute modify attribute schema properties view bean URL Commandline interface.

FAILED_MODIFY_ATTRIBUTE_SCHEMA_PROPERTIES_VIEW_BEAN_URL

ID: AMCLI-2212

Level: INFO

Description: Unable to modify attribute schema properties view bean URL.

Data: name of service, schema type, name of sub schema, name of attribute schema, attribute schema properties view bean URL, error message

Triggers: Execute modify attribute schema properties view bean URL Commandline interface.

Actions: Look under debug file for more information.

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

ATTEMPT_MODIFY_ATTRIBUTE_SCHEMA_ANY

ID: AMCLI-2220

Level: INFO

Description: Attempt to modify attribute schema any value.

Data: name of service, schema type, name of sub schema, name of attribute schema, attribute schema any

Triggers: Execute modify attribute schema any Commandline interface.

SUCCEED_MODIFY_ATTRIBUTE_SCHEMA_ANY

ID: AMCLI-2221

Level: INFO

Description: Attribute schema any value is modified.

Data: name of service, schema type, name of sub schema, name of attribute schema, attribute schema any

Triggers: Execute modify attribute schema any Commandline interface.

FAILED_MODIFY_ATTRIBUTE_SCHEMA_ANY

ID: AMCLI-2222

Level: INFO

Description: Unable to modify attribute schema any value.

Data: name of service, schema type, name of sub schema, name of attribute schema, attribute schema any, error message

Triggers: Execute modify attribute schema any Commandline interface.

Actions: Look under debug file for more information.

ATTEMPT_REMOVE_ATTRIBUTE_SCHEMA_DEFAULT_VALUE

ID: AMCLI-2230

Level: INFO

Description: Attempt to remove attribute schema default value.

Data: name of service, schema type, name of sub schema, name of attribute schema, default value to be removed

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

Triggers: Execute remove attribute schema default values Commandline interface.

SUCCEED_REMOVE_ATTRIBUTE_SCHEMA_DEFAULT_VALUE

ID: AMCLI-2231

Level: INFO

Description: Attribute schema default value is removed.

Data: name of service, schema type, name of sub schema, name of attribute schema, default value to be removed

Triggers: Execute remove attribute schema default values Commandline interface.

FAILED_REMOVE_ATTRIBUTE_SCHEMA_DEFAULT_VALUE

ID: AMCLI-2232

Level: INFO

Description: Unable to remove attribute schema default value.

Data: name of service, schema type, name of sub schema, name of attribute schema, default value to be removed, error message

Triggers: Execute remove attribute schema default values Commandline interface.

Actions: Look under debug file for more information.

ATTEMPT_SET_ATTRIBUTE_SCHEMA_VALIDATOR

ID: AMCLI-2240

Level: INFO

Description: Attempt to set attribute schema validator.

Data: name of service, schema type, name of sub schema, name of attribute schema, validator

Triggers: Execute set attribute schema validator Commandline interface.

SUCCEED_SET_ATTRIBUTE_SCHEMA_VALIDATOR

ID: AMCLI-2241

Level: INFO

Description: Attribute schema validator is set.

Data: name of service, schema type, name of sub schema, name of attribute schema, validator

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

Triggers: Execute set attribute schema validator Commandline interface.

FAILED_SET_ATTRIBUTE_SCHEMA_VALIDATOR

ID: AMCLI-2242

Level: INFO

Description: Unable to set attribute schema validator.

Data: name of service, schema type, name of sub schema, name of attribute schema, validator, error message

Triggers: Execute set attribute schema validator Commandline interface.

Actions: Look under debug file for more information.

ATTEMPT_SET_ATTRIBUTE_SCHEMA_START_RANGE

ID: AMCLI-2250

Level: INFO

Description: Attempt to set attribute schema start range.

Data: name of service, schema type, name of sub schema, name of attribute schema, start range

Triggers: Execute set attribute schema start range Commandline interface.

SUCCEED_SET_ATTRIBUTE_SCHEMA_START_RANGE

ID: AMCLI-2251

Level: INFO

Description: Attribute schema start range is set.

Data: name of service, schema type, name of sub schema, name of attribute schema, start range

Triggers: Execute set attribute schema start range Commandline interface.

FAILED_SET_ATTRIBUTE_SCHEMA_START_RANGE

ID: AMCLI-2252

Level: INFO

Description: Unable to set attribute schema start range.

Data: name of service, schema type, name of sub schema, name of attribute schema, start range, error message

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

Triggers: Execute set attribute schema start range Commandline interface.

Actions: Look under debug file for more information.

ATTEMPT_SET_ATTRIBUTE_SCHEMA_END_RANGE

ID: AMCLI-2250

Level: INFO

Description: Attempt to set attribute schema end range.

Data: name of service, schema type, name of sub schema, name of attribute schema, end range

Triggers: Execute set attribute schema end range Commandline interface.

SUCCEED_SET_ATTRIBUTE_SCHEMA_END_RANGE

ID: AMCLI-2251

Level: INFO

Description: Attribute schema end range is set.

Data: name of service, schema type, name of sub schema, name of attribute schema, end range

Triggers: Execute set attribute schema end range Commandline interface.

FAILED_SET_ATTRIBUTE_SCHEMA_END_RANGE

ID: AMCLI-2252

Level: INFO

Description: Unable to set attribute schema end range.

Data: name of service, schema type, name of sub schema, name of attribute schema, end range, error message

Triggers: Execute set attribute schema end range Commandline interface.

Actions: Look under debug file for more information.

ATTEMPT_SET_SERVICE_SCHEMA_I18N_KEY

ID: AMCLI-2260

Level: INFO

Description: Attempt to set service schema i18n key.

Data: name of service, i18n key

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

Triggers: Execute set service schema i18n key Commandline interface.

SUCCEED_SET_SERVICE_SCHEMA_I18N_KEY

ID: AMCLI-2261

Level: INFO

Description: Service schema i18n key is set.

Data: name of service, i18n key

Triggers: Execute set service schema i18n key Commandline interface.

FAILED_SET_SERVICE_SCHEMA_I18N_KEY

ID: AMCLI-2262

Level: INFO

Description: Unable to set service schema i18n key.

Data: name of service, i18n key, error message

Triggers: Execute set service schema i18n key Commandline interface.

Actions: Look under debug file for more information.

ATTEMPT_SET_SERVICE_SCHEMA_PROPERTIES_VIEW_BEAN_URL

ID: AMCLI-2270

Level: INFO

Description: Attempt to set service schema properties view bean URL.

Data: name of service, properties view bean URL

Triggers: Execute set service schema properties view bean URL Commandline interface.

SUCCEED_SET_SERVICE_SCHEMA_PROPERTIES_VIEW_BEAN_URL

ID: AMCLI-2271

Level: INFO

Description: Service schema properties view bean URL is set.

Data: name of service, properties view bean URL

Triggers: Execute set service schema properties view bean URL Commandline interface.

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

FAILED_SET_SERVICE_SCHEMA_PROPERTIES_VIEW_BEAN_URL

ID: AMCLI-2272

Level: INFO

Description: Unable to set service schema properties view bean URL.

Data: name of service, properties view bean URL, error message

Triggers: Execute set service schema properties view bean URL Commandline interface.

Actions: Look under debug file for more information.

ATTEMPT_SET_SERVICE_REVISION_NUMBER

ID: AMCLI-2280

Level: INFO

Description: Attempt to set service revision number.

Data: name of service, revision number

Triggers: Execute set service revision number Commandline interface.

SUCCEED_SET_SERVICE_REVISION_NUMBER

ID: AMCLI-2281

Level: INFO

Description: Service revision number is set.

Data: name of service, revision number

Triggers: Execute set service revision number Commandline interface.

FAILED_SET_SERVICE_REVISION_NUMBER

ID: AMCLI-2282

Level: INFO

Description: Unable to set service revision number.

Data: name of service, revision number, error message

Triggers: Execute set service revision number Commandline interface.

Actions: Look under debug file for more information.

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

ATTEMPT_GET_SERVICE_REVISION_NUMBER

ID: AMCLI-2290

Level: INFO

Description: Attempt to get service revision number.

Data: name of service

Triggers: Execute get service revision number Commandline interface.

SUCCEED_GET_SERVICE_REVISION_NUMBER

ID: AMCLI-2291

Level: INFO

Description: Service revision number is returned.

Data: name of service

Triggers: Execute get service revision number Commandline interface.

FAILED_GET_SERVICE_REVISION_NUMBER

ID: AMCLI-2292

Level: INFO

Description: Unable to get service revision number.

Data: name of service, error message

Triggers: Execute get service revision number Commandline interface.

Actions: Look under debug file for more information.

ATTEMPT_REMOVE_ATTRIBUTE_SCHEMA

ID: AMCLI-2300

Level: INFO

Description: Attempt to remove attribute schema.

Data: name of service, schema type, name of sub schema, name of attribute schema

Triggers: Execute remove attribute schema Commandline interface.

SUCCEED_REMOVE_ATTRIBUTE_SCHEMA

ID: AMCLI-2301

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

Level: INFO

Description: Attribute schema is removed.

Data: name of service, schema type, name of sub schema, name of attribute schema

Triggers: Execute remove attribute schema Commandline interface.

FAILED_REMOVE_ATTRIBUTE_SCHEMA

ID: AMCLI-2302

Level: INFO

Description: Unable to remove attribute schema.

Data: name of service, schema type, name of sub schema, name of attribute schema, error message

Triggers: Execute remove attribute schema Commandline interface.

Actions: Look under debug file for more information.

ATTEMPT_ADD_SUB_CONFIGURATION

ID: AMCLI-2310

Level: INFO

Description: Attempt to add sub configuration.

Data: name of sub configuration, name of service

Triggers: Execute add sub configuration Commandline interface.

SUCCEED_ADD_SUB_CONFIGURATION

ID: AMCLI-2311

Level: INFO

Description: Sub configuration is added.

Data: name of sub configuration, name of service

Triggers: Execute add sub configuration Commandline interface.

FAILED_ADD_SUB_CONFIGURATION

ID: AMCLI-2312

Level: INFO

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

Description: Unable to add sub configuration.

Data: name of sub configuration, name of service, error message

Triggers: Execute add sub configuration Commandline interface.

Actions: Look under debug file for more information.

ATTEMPT_ADD_SUB_CONFIGURATION_TO_REALM

ID: AMCLI-2320

Level: INFO

Description: Attempt to add sub configuration to realm.

Data: name of realm, name of sub configuration, name of service

Triggers: Execute add sub configuration Commandline interface.

SUCCEED_ADD_SUB_CONFIGURATION_TO_REALM

ID: AMCLI-2321

Level: INFO

Description: Sub configuration is added to realm.

Data: name of realm, name of sub configuration, name of service

Triggers: Execute add sub configuration Commandline interface.

FAILED_ADD_SUB_CONFIGURATION_TO_REALM

ID: AMCLI-2322

Level: INFO

Description: Unable to add sub configuration.

Data: name of realm, name of sub configuration, name of service, error message

Triggers: Execute add sub configuration Commandline interface.

Actions: Look under debug file for more information.

ATTEMPT_DELETE_SUB_CONFIGURATION

ID: AMCLI-2330

Level: INFO

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

Description: Attempt to delete sub configuration.

Data: name of sub configuration, name of service

Triggers: Execute delete sub configuration Commandline interface.

SUCCEED_DELETE_SUB_CONFIGURATION

ID: AMCLI-2331

Level: INFO

Description: Sub configuration is deleted.

Data: name of sub configuration, name of service

Triggers: Execute delete sub configuration Commandline interface.

FAILED_ADELETE_SUB_CONFIGURATION

ID: AMCLI-2332

Level: INFO

Description: Unable to delete sub configuration.

Data: name of sub configuration, name of service, error message

Triggers: Execute delete sub configuration Commandline interface.

Actions: Look under debug file for more information.

ATTEMPT_DELETE_SUB_CONFIGURATION_TO_REALM

ID: AMCLI-2340

Level: INFO

Description: Attempt to delete sub configuration from realm.

Data: name of realm, name of sub configuration, name of service

Triggers: Execute delete sub configuration Commandline interface.

SUCCEED_DELETE_SUB_CONFIGURATION_TO_REALM

ID: AMCLI-2341

Level: INFO

Description: Sub configuration is deleted from realm.

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

Data: name of realm, name of sub configuration, name of service

Triggers: Execute delete sub configuration Commandline interface.

FAILED_DELETE_SUB_CONFIGURATIONT_TO_REALM

ID: AMCLI-2342

Level: INFO

Description: Unable to delete sub configuration.

Data: name of realm, name of sub configuration, name of service, error message

Triggers: Execute delete sub configuration Commandline interface.

Actions: Look under debug file for more information.

ATTEMPT_ADD_SUB_SCHEMA

ID: AMCLI-2350

Level: INFO

Description: Attempt to add sub schema.

Data: name of service, schema type, name of sub schema

Triggers: Execute add sub schema Commandline interface.

SUCCEED_ADD_SUB_SCHEMA

ID: AMCLI-2351

Level: INFO

Description: Sub schema is added.

Data: name of service, schema type, name of sub schema

Triggers: Execute add sub schema Commandline interface.

FAILED_ADD_SUB_SCHEMA

ID: AMCLI-2352

Level: INFO

Description: Unable to add sub schema.

Data: name of service, schema type, name of sub schema, error message

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

Triggers: Execute add sub schema configurations Commandline interface.

Actions: Look under debug file for more information.

ATTEMPT_REMOVE_SUB_SCHEMA

ID: AMCLI-2360

Level: INFO

Description: Attempt to remove sub schema.

Data: name of service, schema type, name of parent sub schema, name of sub schema

Triggers: Execute remove sub schema Commandline interface.

SUCCEED_REMOVE_SUB_SCHEMA

ID: AMCLI-2361

Level: INFO

Description: Sub schema is removed.

Data: name of service, schema type, name of parent sub schema, name of sub schema

Triggers: Execute remove sub schema Commandline interface.

FAILED_REMOVE_SUB_SCHEMA

ID: AMCLI-2362

Level: INFO

Description: Unable to remove sub schema.

Data: name of service, schema type, name of parent sub schema, name of sub schema, error message

Triggers: Execute remove sub schema configurations Commandline interface.

Actions: Look under debug file for more information.

ATTEMPT_MODIFY_INHERITANCE_SUB_SCHEMA

ID: AMCLI-2370

Level: INFO

Description: Attempt to modify inheritance of sub schema.

Data: name of service, schema type, name of sub schema

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

Triggers: Execute modify inheritance of sub schema Commandline interface.

SUCCEED_MODIFY_INHERITANCE_SUB_SCHEMA

ID: AMCLI-2371

Level: INFO

Description: Sub schema is modified.

Data: name of service, schema type, name of sub schema

Triggers: Execute modify inheritance of sub schema Commandline interface.

FAILED_MODIFY_INHERITANCE_SUB_SCHEMA

ID: AMCLI-2372

Level: INFO

Description: Unable to modify sub schema.

Data: name of service, schema type, name of sub schema, error message

Triggers: Execute modify inheritance of sub schema configurations Commandline interface.

Actions: Look under debug file for more information.

ATTEMPT_MODIFY_SUB_CONFIGURATION

ID: AMCLI-2380

Level: INFO

Description: Attempt to modify sub configuration.

Data: name of sub configuration, name of service

Triggers: Execute modify sub configuration Commandline interface.

SUCCEED_MODIFY_SUB_CONFIGURATION

ID: AMCLI-2381

Level: INFO

Description: Sub configuration is modified.

Data: name of sub configuration, name of service

Triggers: Execute modify sub configuration Commandline interface.

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

FAILED_MODIFY_SUB_CONFIGURATION

ID: AMCLI-2382

Level: INFO

Description: Unable to modify sub configuration.

Data: name of sub configuration, name of service, error message

Triggers: Execute modify sub configuration Commandline interface.

Actions: Look under debug file for more information.

ATTEMPT_GET_SUB_CONFIGURATION

ID: AMCLI-2383

Level: INFO

Description: Attempt to retrieve sub configuration.

Data: name of sub configuration, name of service

Triggers: Execute get sub configuration Commandline interface.

SUCCEED_GET_SUB_CONFIGURATION

ID: AMCLI-2384

Level: INFO

Description: Sub configuration is retrieved.

Data: name of sub configuration, name of service

Triggers: Execute get sub configuration Commandline interface.

FAILED_GET_SUB_CONFIGURATION

ID: AMCLI-2385

Level: INFO

Description: Unable to retrieve sub configuration.

Data: name of sub configuration, name of service, error message

Triggers: Execute get sub configuration Commandline interface.

Actions: Look under debug file for more information.

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

ATTEMPT_MODIFY_SUB_CONFIGURATION_IN_REALM

ID: AMCLI-2390

Level: INFO

Description: Attempt to modify sub configuration in realm.

Data: name of realm, name of sub configuration, name of service

Triggers: Execute modify sub configuration Commandline interface.

SUCCEED_MODIFY_SUB_CONFIGURATION_IN_REALM

ID: AMCLI-2391

Level: INFO

Description: Sub configuration is modified.

Data: name of realm, name of sub configuration, name of service

Triggers: Execute modify sub configuration Commandline interface.

FAILED_MODIFY_SUB_CONFIGURATION_IN_REALM

ID: AMCLI-2392

Level: INFO

Description: Unable to modify sub configuration in realm.

Data: name of realm, name of sub configuration, name of service, error message

Triggers: Execute modify sub configuration Commandline interface.

Actions: Look under debug file for more information.

ATTEMPT_GET_SUB_CONFIGURATION_IN_REALM

ID: AMCLI-2393

Level: INFO

Description: Attempt to retrieve sub configuration in realm.

Data: name of realm, name of sub configuration, name of service

Triggers: Execute get sub configuration Commandline interface.

SUCCEED_GET_SUB_CONFIGURATION_IN_REALM

ID: AMCLI-2394

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

Level: INFO

Description: Sub configuration is retrieved.

Data: name of realm, name of sub configuration, name of service

Triggers: Execute get sub configuration Commandline interface.

FAILED_GET_SUB_CONFIGURATION_IN_REALM

ID: AMCLI-2395

Level: INFO

Description: Unable to retrieve sub configuration in realm.

Data: name of realm, name of sub configuration, name of service, error message

Triggers: Execute get sub configuration Commandline interface.

Actions: Look under debug file for more information.

ATTEMPT_ADD_PLUGIN_INTERFACE

ID: AMCLI-2400

Level: INFO

Description: Attempt to add Plug-in interface to service.

Data: name of service, name of plugin

Triggers: Execute add Plug-in interface Commandline interface.

SUCCEED_ADD_PLUGIN_INTERFACE

ID: AMCLI-2401

Level: INFO

Description: Plug-in interface is added.

Data: name of service, name of plugin

Triggers: Execute add Plug-in interface Commandline interface.

FAILED_ADD_PLUGIN_INTERFACE

ID: AMCLI-2402

Level: INFO

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

Description: Unable to add Plug-in interface to service.

Data: name of service, name of plugin, error message

Triggers: Execute add Plug-in interface Commandline interface.

Actions: Look under debug file for more information.

ATTEMPT_SET_PLUGIN_SCHEMA_PROP_VIEWBEAN_URL

ID: AMCLI-2410

Level: INFO

Description: Attempt to set Plug-in schema's properties view bean.

Data: name of service, name of plugin

Triggers: Execute set Plug-in schema's properties view bean Commandline interface.

SUCCEED_SET_PLUGIN_SCHEMA_PROP_VIEWBEAN_URL

ID: AMCLI-2411

Level: INFO

Description: Plug-in schema's properties view bean is set.

Data: name of service, name of plugin

Triggers: Execute set Plug-in schema's properties view bean Commandline interface.

FAILED_SET_PLUGIN_SCHEMA_PROP_VIEWBEAN_URL

ID: AMCLI-2412

Level: INFO

Description: Unable to set Plug-in schema's properties view bean.

Data: name of service, name of plugin, error message

Triggers: Execute set Plug-in schema's properties view bean Commandline interface.

Actions: Look under debug file for more information.

ATTEMPT_CREATE_POLICY_IN_REALM

ID: AMCLI-2420

Level: INFO

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

Description: Attempt to create policies under realm.

Data: name of realm

Triggers: Execute create policies under realm Commandline interface.

SUCCEED_CREATE_POLICY_IN_REALM

ID: AMCLI-2421

Level: INFO

Description: Policies are created.

Data: name of realm

Triggers: Execute create policies under realm Commandline interface.

FAILED_CREATE_POLICY_IN_REALM

ID: AMCLI-2422

Level: INFO

Description: Unable to create policies under realm.

Data: name of realm, error message

Triggers: Execute create policies under realm Commandline interface.

Actions: Look under debug file for more information.

ATTEMPT_DELETE_POLICY_IN_REALM

ID: AMCLI-2430

Level: INFO

Description: Attempt to delete policy in realm.

Data: name of realm, name of policy

Triggers: Execute delete policy in realm Commandline interface.

SUCCEED_DELETE_POLICY_IN_REALM

ID: AMCLI-2431

Level: INFO

Description: Policy is deleted.

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

Data: name of realm, name of policy

Triggers: Execute delete policy in realm Commandline interface.

FAILED_DELETE_POLICY_IN_REALM

ID: AMCLI-2432

Level: INFO

Description: Unable to delete policy under realm.

Data: name of realm, name of policy, error message

Triggers: Execute delete policy under realm Commandline interface.

Actions: Look under debug file for more information.

ATTEMPT_TO_GET_POLICY_NAMES_IN_REALM

ID: AMCLI-2433

Level: INFO

Description: Attempt to get policy names in realm.

Data: name of realm

Triggers: Execute get policy names in realm Commandline interface.

GOT_POLICY_NAMES_IN_REALM

ID: AMCLI-2434

Level: INFO

Description: Got policy names in realm.

Data: name of realm

Triggers: Execute get policy names in realm Commandline interface.

FAILED_GET_POLICY_NAMES_IN_REALM

ID: AMCLI-2435

Level: INFO

Description: Unable to get policy names in realm.

Data: name of realm

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

Triggers: Execute get policy names in realm Commandline interface.

ATTEMPT_GET_POLICY_IN_REALM

ID: AMCLI-2440

Level: INFO

Description: Attempt to get policy definition in realm.

Data: name of realm, name of policy

Triggers: Execute get policy definition in realm Commandline interface.

SUCCEED_GET_POLICY_IN_REALM

ID: AMCLI-2441

Level: INFO

Description: Policy definition is returned.

Data: name of realm, name of policy

Triggers: Execute get policy definition in realm Commandline interface.

FAILED_GET_POLICY_IN_REALM

ID: AMCLI-2442

Level: INFO

Description: Unable to get policy definition under realm.

Data: name of realm, name of policy, error message

Triggers: Execute get policy definition under realm Commandline interface.

Actions: Look under debug file for more information.

ATTEMPT_CREATE_IDENTITY

ID: AMCLI-2450

Level: INFO

Description: Attempt to create an identity in realm.

Data: name of realm, identity type, name of identity

Triggers: Execute create identity in realm Commandline interface.

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

SUCCEED_CREATE_IDENTITY

ID: AMCLI-2451

Level: INFO

Description: Identity is created.

Data: name of realm, identity type, name of identity

Triggers: Execute create identity in realm Commandline interface.

FAILED_CREATE_IDENTITY

ID: AMCLI-2452

Level: INFO

Description: Unable to create identity in realm.

Data: name of realm, identity type, name of identity, error message

Triggers: Execute create identity in realm Commandline interface.

Actions: Look under debug file for more information.

ATTEMPT_DELETE_IDENTITY

ID: AMCLI-2460

Level: INFO

Description: Attempt to delete an identity in realm.

Data: name of realm, identity type, name of identity

Triggers: Execute delete identity in realm Commandline interface.

SUCCEED_DELETE_IDENTITY

ID: AMCLI-2461

Level: INFO

Description: Identity is deleted.

Data: name of realm, identity type, name of identity

Triggers: Execute delete identity in realm Commandline interface.

FAILED_DELETE_IDENTITY

ID: AMCLI-2462

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

Level: INFO

Description: Unable to delete identity in realm.

Data: name of realm, identity type, name of identity, error message

Triggers: Execute delete identity in realm Commandline interface.

Actions: Look under debug file for more information.

ATTEMPT_SEARCH_IDENTITIES

ID: AMCLI-2470

Level: INFO

Description: Attempt to search identities in realm.

Data: name of realm, identity type, search pattern

Triggers: Execute search identities in realm Commandline interface.

SUCCEED_SEARCH_IDENTITIES

ID: AMCLI-2471

Level: INFO

Description: Search Result is returned.

Data: name of realm, identity type, search pattern

Triggers: Execute search identities in realm Commandline interface.

FAILED_SEARCH_IDENTITIES

ID: AMCLI-2472

Level: INFO

Description: Unable to search identities in realm.

Data: name of realm, identity type, search pattern, error message

Triggers: Execute search identities in realm Commandline interface.

Actions: Look under debug file for more information.

ATTEMPT_GET_ALLOWED_OPS

ID: AMCLI-2480

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

Level: INFO

Description: Attempt to get the allowed operation of an identity type in realm.

Data: name of realm, identity type

Triggers: Execute get the allowed operation of an identity type in realm Commandline interface.

SUCCEED_GET_ALLOWED_OPS

ID: AMCLI-2481

Level: INFO

Description: Allowed operations are returned.

Data: name of realm, identity type

Triggers: Execute get the allowed operation of an identity type in realm Commandline interface.

FAILED_GET_ALLOWED_OPS

ID: AMCLI-2482

Level: INFO

Description: Unable to get the allowed operation of an identity type in realm.

Data: name of realm, identity type, error message

Triggers: Execute get the allowed operation of an identity type in realm Commandline interface.

Actions: Look under debug file for more information.

ATTEMPT_GET_SUPPORTED_IDTYPES

ID: AMCLI-2490

Level: INFO

Description: Attempt to get the supported identity type in realm.

Data: name of realm

Triggers: Execute get the supported identity type in realm Commandline interface.

SUCCEED_GET_SUPPORTED_IDTYPES

ID: AMCLI-2491

Level: INFO

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

Description: Allowed identity types are returned.

Data: name of realm

Triggers: Execute get the supported identity type in realm Commandline interface.

FAILED_GET_SUPPORTED_IDTYPES

ID: AMCLI-2492

Level: INFO

Description: Unable to get the supported identity type in realm.

Data: name of realm, error message

Triggers: Execute get the supported identity type in realm Commandline interface.

Actions: Look under debug file for more information.

ATTEMPT_GET_ASSIGNABLE_SERVICES

ID: AMCLI-2500

Level: INFO

Description: Attempt to get the assignable services of an identity.

Data: name of realm, name of identity type, name of identity

Triggers: Execute get the assignable services of an identity Commandline interface.

SUCCEED_GET_ASSIGNABLE_SERVICES

ID: AMCLI-2501

Level: INFO

Description: Assignable services are returned.

Data: name of realm, name of identity type, name of identity

Triggers: Execute get the assignable services of an identity Commandline interface.

FAILED_GET_ASSIGNABLE_SERVICES

ID: AMCLI-2502

Level: INFO

Description: Unable to get the assignable services of an identity.

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

Data: name of realm, name of identity type, name of identity, error message

Triggers: Execute get the assignable services of an identity Commandline interface.

Actions: Look under debug file for more information.

ATTEMPT_GET_ASSIGNED_SERVICES

ID: AMCLI-2510

Level: INFO

Description: Attempt to get the assigned services of an identity.

Data: name of realm, name of identity type, name of identity

Triggers: Execute get the assigned services of an identity Commandline interface.

SUCCEED_GET_ASSIGNED_SERVICES

ID: AMCLI-2511

Level: INFO

Description: Assigned services are returned.

Data: name of realm, name of identity type, name of identity

Triggers: Execute get the assigned services of an identity Commandline interface.

FAILED_GET_ASSIGNED_SERVICES

ID: AMCLI-2512

Level: INFO

Description: Unable to get the assigned services of an identity.

Data: name of realm, name of identity type, name of identity, error message

Triggers: Execute get the assigned services of an identity Commandline interface.

Actions: Look under debug file for more information.

ATTEMPT_IDREPO_GET_SERVICE_ATTRIBUTES

ID: AMCLI-2520

Level: INFO

Description: Attempt to get service attribute values of an identity.

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

Data: name of realm, name of identity type, name of identity, name of service

Triggers: Execute get the service attribute values of an identity Commandline interface.

SUCCEED_IDREPO_GET_SERVICE_ATTRIBUTES

ID: AMCLI-2521

Level: INFO

Description: Service attribute values are returned.

Data: name of realm, name of identity type, name of identity, name of service

Triggers: Execute get the service attribute values of an identity Commandline interface.

FAILED_IDREPO_GET_SERVICE_ATTRIBUTES

ID: AMCLI-2522

Level: INFO

Description: Unable to get the service attribute values of an identity.

Data: name of realm, name of identity type, name of identity, name of service, error message

Triggers: Execute get the service attribute values of an identity Commandline interface.

Actions: Look under debug file for more information.

ATTEMPT_IDREPO_GET_ATTRIBUTES

ID: AMCLI-2530

Level: INFO

Description: Attempt to get attribute values of an identity.

Data: name of realm, name of identity type, name of identity

Triggers: Execute get the attribute values of an identity Commandline interface.

SUCCEED_IDREPO_GET_ATTRIBUTES

ID: AMCLI-2531

Level: INFO

Description: Attribute values are returned.

Data: name of realm, name of identity type, name of identity

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

Triggers: Execute get the attribute values of an identity Commandline interface.

FAILED_IDREPO_GET_ATTRIBUTES

ID: AMCLI-2532

Level: INFO

Description: Unable to get the attribute values of an identity.

Data: name of realm, name of identity type, name of identity, error message

Triggers: Execute get the attribute values of an identity Commandline interface.

Actions: Look under debug file for more information.

ATTEMPT_IDREPO_GET_MEMBERSHIPS

ID: AMCLI-2540

Level: INFO

Description: Attempt to get memberships of an identity.

Data: name of realm, name of identity type, name of identity, name of membership identity type

Triggers: Execute get the memberships of an identity Commandline interface.

SUCCEED_IDREPO_GET_MEMBERSHIPS

ID: AMCLI-2541

Level: INFO

Description: Memberships are returned.

Data: name of realm, name of identity type, name of identity, name of membership identity type

Triggers: Execute get the memberships of an identity Commandline interface.

FAILED_IDREPO_GET_MEMBERSHIPS

ID: AMCLI-2542

Level: INFO

Description: Unable to get the memberships of an identity.

Data: name of realm, name of identity type, name of identity, name of membership identity type, error message

Triggers: Execute get the memberships of an identity Commandline interface.

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

Actions: Look under debug file for more information.

ATTEMPT_IDREPO_GET_MEMBERS

ID: AMCLI-2550

Level: INFO

Description: Attempt to get members of an identity.

Data: name of realm, name of identity type, name of identity, name of membership identity type

Triggers: Execute get the members of an identity Commandline interface.

SUCCEED_IDREPO_GET_MEMBERS

ID: AMCLI-2551

Level: INFO

Description: Members are returned.

Data: name of realm, name of identity type, name of identity, name of membership identity type

Triggers: Execute get the members of an identity Commandline interface.

FAILED_IDREPO_GET_MEMBERS

ID: AMCLI-2552

Level: INFO

Description: Unable to get the members of an identity.

Data: name of realm, name of identity type, name of identity, name of membership identity type, error message

Triggers: Execute get the members of an identity Commandline interface.

Actions: Look under debug file for more information.

ATTEMPT_IDREPO_IS_MEMBER

ID: AMCLI-2560

Level: INFO

Description: Attempt to determine if an identity is a member of another identity.

Data: name of realm, name of identity type, name of identity, name of member identity type, name of member identity

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

Triggers: Execute determine if an identity is a member of another identity Commandline interface.

SUCCEED_IDREPO_IS_MEMBER

ID: AMCLI-2561

Level: INFO

Description: Membership is determined.

Data: name of realm, name of identity type, name of identity, name of member identity type, name of member identity

Triggers: Execute determine if an identity is a member of another identity Commandline interface.

FAILED_IDREPO_IS_MEMBER

ID: AMCLI-2562

Level: INFO

Description: Unable to determine the membership of an identity of another.

Data: name of realm, name of identity type, name of identity, name of member identity type, name of member identity, error message

Triggers: Execute determine if an identity is a member of another identity Commandline interface.

Actions: Look under debug file for more information.

ATTEMPT_IDREPO_IS_ACTIVE

ID: AMCLI-2570

Level: INFO

Description: Attempt to determine if an identity is active.

Data: name of realm, name of identity type, name of identity

Triggers: Execute determine if an identity is active Commandline interface.

SUCCEED_IDREPO_IS_ACTIVE

ID: AMCLI-2571

Level: INFO

Description: Active status of identity is determined.

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

Data: name of realm, name of identity type, name of identity

Triggers: Execute determine if an identity is active Commandline interface.

FAILED_IDREPO_IS_ACTIVE

ID: AMCLI-2572

Level: INFO

Description: Unable to determine if an identity is active.

Data: name of realm, name of identity type, name of identity, error message

Triggers: Execute determine if an identity is a active Commandline interface.

Actions: Look under debug file for more information.

ATTEMPT_IDREPO_ADD_MEMBER

ID: AMCLI-2580

Level: INFO

Description: Attempt to make an identity a member of another identity.

Data: name of realm, name of identity type, name of identity, name of member identity type, name of member identity

Triggers: Execute make an identity a member of another identity Commandline interface.

SUCCEED_IDREPO_ADD_MEMBER

ID: AMCLI-2581

Level: INFO

Description: Membership is set.

Data: name of realm, name of identity type, name of identity, name of member identity type, name of member identity

Triggers: Execute make an identity a member of another identity Commandline interface.

FAILED_IDREPO_ADD_MEMBER

ID: AMCLI-2582

Level: INFO

Description: Unable to add member of an identity to another.

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

Data: name of realm, name of identity type, name of identity, name of member identity type, name of member identity, error message

Triggers: Execute make an identity a member of another identity Commandline interface.

Actions: Look under debug file for more information.

ATTEMPT_IDREPO_REMOVE_MEMBER

ID: AMCLI-2590

Level: INFO

Description: Attempt to remove membership an identity from another identity.

Data: name of realm, name of identity type, name of identity, name of member identity type, name of member identity

Triggers: Execute remove membership an identity from another identity Commandline interface.

SUCCEED_IDREPO_REMOVE_MEMBER

ID: AMCLI-2591

Level: INFO

Description: Membership is removed.

Data: name of realm, name of identity type, name of identity, name of member identity type, name of member identity

Triggers: Execute remove membership an identity from another identity Commandline interface.

FAILED_IDREPO_REMOVE_MEMBER

ID: AMCLI-2592

Level: INFO

Description: Unable to remove membership of an identity.

Data: name of realm, name of identity type, name of identity, name of member identity type, name of member identity, error message

Triggers: Execute remove membership an identity from another identity Commandline interface.

Actions: Look under debug file for more information.

ATTEMPT_IDREPO_ASSIGN_SERVICE

ID: AMCLI-2600

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

Level: INFO

Description: Attempt to assign service to an identity.

Data: name of realm, identity type, name of identity, name of service

Triggers: Execute assign service to an identity Commandline interface.

SUCCEED_IDREPO_ASSIGN_SERVICE

ID: AMCLI-2601

Level: INFO

Description: Service is assigned to an identity.

Data: name of realm, identity type, name of identity, name of service

Triggers: Execute assign service to an identity Commandline interface.

FAILED_IDREPO_ASSIGN_SERVICE

ID: AMCLI-2602

Level: INFO

Description: Unable to assign service to an identity.

Data: name of realm, identity type, name of identity, name of service, error message

Triggers: Execute assign service to an identity Commandline interface.

Actions: Look under debug file for more information.

ATTEMPT_IDREPO_UNASSIGN_SERVICE

ID: AMCLI-2610

Level: INFO

Description: Attempt to unassign service from an identity.

Data: name of realm, identity type, name of identity, name of service

Triggers: Execute unassign service from an identity Commandline interface.

SUCCEED_IDREPO_UNASSIGN_SERVICE

ID: AMCLI-2611

Level: INFO

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

Description: Service is unassigned from an identity.

Data: name of realm, identity type, name of identity, name of service

Triggers: Execute unassign service from an identity Commandline interface.

FAILED_IDREPO_UNASSIGN_SERVICE

ID: AMCLI-2612

Level: INFO

Description: Unable to unassign service to an identity.

Data: name of realm, identity type, name of identity, name of service, error message

Triggers: Execute unassign service from an identity Commandline interface.

Actions: Look under debug file for more information.

ATTEMPT_IDREPO_MODIFY_SERVICE

ID: AMCLI-2620

Level: INFO

Description: Attempt to modify service attribute values of an identity.

Data: name of realm, identity type, name of identity, name of service

Triggers: Execute modify service attribute values of an identity Commandline interface.

SUCCEED_IDREPO_MODIFY_SERVICE

ID: AMCLI-2621

Level: INFO

Description: Service attribute values are modified.

Data: name of realm, identity type, name of identity, name of service

Triggers: Execute modify service attribute values of an identity Commandline interface.

FAILED_IDREPO_MODIFY_SERVICE

ID: AMCLI-2622

Level: INFO

Description: Unable to modify service attribute values of an identity.

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

Data: name of realm, identity type, name of identity, name of service, error message

Triggers: Execute modify service attribute values of an identity Commandline interface.

Actions: Look under debug file for more information.

ATTEMPT_IDREPO_SET_ATTRIBUTE_VALUES

ID: AMCLI-2630

Level: INFO

Description: Attempt to set attribute values of an identity.

Data: name of realm, identity type, name of identity

Triggers: Execute set attribute values of an identity Commandline interface.

SUCCEED_IDREPO_SET_ATTRIBUTE_VALUES

ID: AMCLI-2631

Level: INFO

Description: Attribute values are modified.

Data: name of realm, identity type, name of identity

Triggers: Execute set attribute values of an identity Commandline interface.

FAILED_IDREPO_SET_ATTRIBUTE_VALUES

ID: AMCLI-2632

Level: INFO

Description: Unable to set attribute values of an identity.

Data: name of realm, identity type, name of identity, error message

Triggers: Execute set attribute values of an identity Commandline interface.

Actions: Look under debug file for more information.

ATTEMPT_IDREPO_GET_PRIVILEGES

ID: AMCLI-2640

Level: INFO

Description: Attempt to get privileges of an identity.

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

Data: name of realm, identity type, name of identity

Triggers: Execute get privileges of an identity Commandline interface.

SUCCEED_IDREPO_GET_PRIVILEGES

ID: AMCLI-2641

Level: INFO

Description: Privileges are returned.

Data: name of realm, identity type, name of identity

Triggers: Execute get privileges of an identity Commandline interface.

FAILED_IDREPO_GET_PRIVILEGES

ID: AMCLI-2642

Level: INFO

Description: Unable to get privileges of an identity.

Data: name of realm, identity type, name of identity, error message

Triggers: Execute get privileges of an identity Commandline interface.

Actions: Look under debug file for more information.

ATTEMPT_IDREPO_ADD_PRIVILEGES

ID: AMCLI-2650

Level: INFO

Description: Attempt to add privileges to an identity.

Data: name of realm, identity type, name of identity

Triggers: Execute add privileges to an identity Commandline interface.

SUCCEED_IDREPO_ADD_PRIVILEGES

ID: AMCLI-2651

Level: INFO

Description: Privileges are added.

Data: name of realm, identity type, name of identity

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

Triggers: Execute add privileges to an identity Commandline interface.

FAILED_IDREPO_ADD_PRIVILEGES

ID: AMCLI-2652

Level: INFO

Description: Unable to add privileges to an identity.

Data: name of realm, identity type, name of identity, error message

Triggers: Execute add privileges to an identity Commandline interface.

Actions: Look under debug file for more information.

ATTEMPT_IDREPO_REMOVE_PRIVILEGES

ID: AMCLI-2660

Level: INFO

Description: Attempt to remove privileges from an identity.

Data: name of realm, identity type, name of identity

Triggers: Execute remove privileges from an identity Commandline interface.

SUCCEED_IDREPO_REMOVE_PRIVILEGES

ID: AMCLI-2661

Level: INFO

Description: Privileges are removed.

Data: name of realm, identity type, name of identity

Triggers: Execute remove privileges from an identity Commandline interface.

FAILED_IDREPO_REMOVE_PRIVILEGES

ID: AMCLI-2662

Level: INFO

Description: Unable to remove privileges from an identity.

Data: name of realm, identity type, name of identity, error message

Triggers: Execute remove privileges from an identity Commandline interface.

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

Actions: Look under debug file for more information.

ATTEMPT_SET_ATTRIBUTE_SCHEMA_BOOLEAN_VALUES

ID: AMCLI-2670

Level: INFO

Description: Attempt to set boolean values to attribute schema.

Data: name of service, schema type, name of sub schema, name of attribute schema

Triggers: Execute set attribute schema boolean values Commandline interface.

SUCCEED_SET_ATTRIBUTE_SCHEMA_BOOLEAN_VALUES

ID: AMCLI-2671

Level: INFO

Description: Boolean values are set.

Data: name of service, schema type, name of sub schema, name of attribute schema

Triggers: Execute set attribute schema boolean values Commandline interface.

FAILED_SET_ATTRIBUTE_SCHEMA_BOOLEAN_VALUES

ID: AMCLI-2672

Level: INFO

Description: Unable to set boolean values to attribute schema.

Data: name of service, schema type, name of sub schema, name of attribute schema, error message

Triggers: Execute set attribute schema boolean values Commandline interface.

Actions: Look under debug file for more information.

ATTEMPT_LIST_AUTH_INSTANCES

ID: AMCLI-2680

Level: INFO

Description: Attempt to list authentication instances.

Data: name of realm

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

Triggers: Execute list authentication instances Commandline interface.

SUCCEEDED_LIST_AUTH_INSTANCES

ID: AMCLI-2681

Level: INFO

Description: List authentication instances succeeded.

Data: name of realm

Triggers: Execute list authentication instances Commandline interface.

FAILED_LIST_AUTH_INSTANCES

ID: AMCLI-2682

Level: INFO

Description: Failed to list authentication instances.

Data: name of realm

Triggers: Execute list authentication instances Commandline interface.

Actions: Look under debug file for more information.

ATTEMPT_CREATE_AUTH_INSTANCE

ID: AMCLI-2690

Level: INFO

Description: Attempt to create authentication instance.

Data: name of realm, name of authentication instance, type of authentication instance

Triggers: Execute create authentication instance Commandline interface.

SUCCEEDED_CREATE_AUTH_INSTANCE

ID: AMCLI-2691

Level: INFO

Description: Authentication instance created.

Data: name of realm, name of authentication instance, type of authentication instance

Triggers: Execute create authentication instance Commandline interface.

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

FAILED_CREATE_AUTH_INSTANCE

ID: AMCLI-2692

Level: INFO

Description: Failed to create authentication instance.

Data: name of realm, name of authentication instance, type of authentication instance

Triggers: Execute create authentication instance Commandline interface.

Actions: Look under debug file for more information.

ATTEMPT_DELETE_AUTH_INSTANCES

ID: AMCLI-2700

Level: INFO

Description: Attempt to delete authentication instances.

Data: name of realm, name of authentication instances

Triggers: Execute delete authentication instance Commandline interface.

SUCCEEDED_DELETE_AUTH_INSTANCES

ID: AMCLI-2701

Level: INFO

Description: Authentication instances are deleted.

Data: name of realm, name of authentication instances

Triggers: Execute delete authentication instances Commandline interface.

FAILED_DELETE_AUTH_INSTANCES

ID: AMCLI-2702

Level: INFO

Description: Failed to delete authentication instance.

Data: name of realm, name of authentication instances

Triggers: Execute delete authentication instances Commandline interface.

Actions: Look under debug file for more information.

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

ATTEMPT_UPDATE_AUTH_INSTANCE

ID: AMCLI-2710

Level: INFO

Description: Attempt to update authentication instance.

Data: name of realm, name of authentication instance

Triggers: Execute update authentication instance Commandline interface.

SUCCEEDED_UPDATE_AUTH_INSTANCE

ID: AMCLI-2711

Level: INFO

Description: Authentication instance is updated.

Data: name of realm, name of authentication instance

Triggers: Execute update authentication instance Commandline interface.

FAILED_UPDATE_AUTH_INSTANCE

ID: AMCLI-2712

Level: INFO

Description: Failed to update authentication instance.

Data: name of realm, name of authentication instance

Triggers: Execute update authentication instance Commandline interface.

Actions: Look under debug file for more information.

ATTEMPT_GET_AUTH_INSTANCE

ID: AMCLI-2710

Level: INFO

Description: Attempt to get authentication instance.

Data: name of realm, name of authentication instance

Triggers: Execute get authentication instance Commandline interface.

SUCCEEDED_GET_AUTH_INSTANCE

ID: AMCLI-2711

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

Level: INFO

Description: Authentication instance profile is displayed.

Data: name of realm, name of authentication instance

Triggers: Execute get authentication instance Commandline interface.

FAILED_GET_AUTH_INSTANCE

ID: AMCLI-2712

Level: INFO

Description: Failed to get authentication instance.

Data: name of realm, name of authentication instance

Triggers: Execute get authentication instance Commandline interface.

Actions: Look under debug file for more information.

ATTEMPT_LIST_AUTH_CONFIGURATIONS

ID: AMCLI-2720

Level: INFO

Description: Attempt to list authentication configurations.

Data: name of realm

Triggers: Execute list authentication configurations Commandline interface.

SUCCEEDED_LIST_AUTH_CONFIGURATIONS

ID: AMCLI-2721

Level: INFO

Description: List authentication configurations succeeded.

Data: name of realm

Triggers: Execute list authentication configurations Commandline interface.

FAILED_LIST_AUTH_CONFIGURATIONS

ID: AMCLI-2722

Level: INFO

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

Description: Failed to list authentication configurations.

Data: name of realm

Triggers: Execute list authentication configurations Commandline interface.

Actions: Look under debug file for more information.

ATTEMPT_CREATE_AUTH_CONFIGURATION

ID: AMCLI-2730

Level: INFO

Description: Attempt to create authentication configuration.

Data: name of realm, name of authentication configuration

Triggers: Execute create authentication configuration Commandline interface.

SUCCEEDED_CREATE_AUTH_CONFIGURATION

ID: AMCLI-2731

Level: INFO

Description: Authentication configuration created.

Data: name of realm, name of authentication configuration

Triggers: Execute create authentication configuration Commandline interface.

FAILED_CREATE_AUTH_CONFIGURATION

ID: AMCLI-2732

Level: INFO

Description: Failed to create authentication configuration.

Data: name of realm, name of authentication configuration

Triggers: Execute create authentication configuration Commandline interface.

Actions: Look under debug file for more information.

ATTEMPT_DELETE_AUTH_CONFIGURATIONS

ID: AMCLI-2740

Level: INFO

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

Description: Attempt to delete authentication configurations.

Data: name of realm, name of authentication configurations

Triggers: Execute delete authentication configurations Commandline interface.

SUCCEEDED_DELETE_AUTH_CONFIGURATIONS

ID: AMCLI-2741

Level: INFO

Description: Authentication configurations are deleted.

Data: name of realm, name of authentication configurations

Triggers: Execute delete authentication configurations Commandline interface.

FAILED_DELETE_AUTH_CONFIGURATIONS

ID: AMCLI-2742

Level: INFO

Description: Failed to delete authentication instance.

Data: name of realm, name of authentication configurations

Triggers: Execute delete authentication configurations Commandline interface.

Actions: Look under debug file for more information.

ATTEMPT_GET_AUTH_CONFIG_ENTRIES

ID: AMCLI-2750

Level: INFO

Description: Attempt to get authentication configuration entries.

Data: name of realm, name of authentication configuration

Triggers: Execute get authentication configuration entries Commandline interface.

SUCCEEDED_GET_AUTH_CONFIG_ENTRIES

ID: AMCLI-2751

Level: INFO

Description: Authentication instance configuration entries are displayed.

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

Data: name of realm, name of authentication configuration

Triggers: Execute get authentication configuration entries Commandline interface.

FAILED_GET_AUTH_CONFIG_ENTRIES

ID: AMCLI-2752

Level: INFO

Description: Failed to get authentication configuration entries.

Data: name of realm, name of authentication configuration

Triggers: Execute get authentication configuration entries Commandline interface.

Actions: Look under debug file for more information.

ATTEMPT_SET_AUTH_CONFIG_ENTRIES

ID: AMCLI-2760

Level: INFO

Description: Attempt to set authentication configuration entries.

Data: name of realm, name of authentication configuration

Triggers: Execute set authentication configuration entries Commandline interface.

SUCCEEDED_SET_AUTH_CONFIG_ENTRIES

ID: AMCLI-2761

Level: INFO

Description: Authentication instance configuration entries are displayed.

Data: name of realm, name of authentication configuration

Triggers: Execute set authentication configuration entries Commandline interface.

FAILED_SET_AUTH_CONFIG_ENTRIES

ID: AMCLI-2762

Level: INFO

Description: Failed to set authentication configuration entries.

Data: name of realm, name of authentication configuration

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

Triggers: Execute set authentication configuration entries Commandline interface.

Actions: Look under debug file for more information.

ATTEMPT_LIST_DATASTORES

ID: AMCLI-2770

Level: INFO

Description: Attempt to list datastores.

Data: name of realm

Triggers: Execute list datastores Commandline interface.

SUCCEEDED_LIST_DATASTORES

ID: AMCLI-2771

Level: INFO

Description: List datastores succeeded.

Data: name of realm

Triggers: Execute list datastores Commandline interface.

FAILED_LIST_DATASTORES

ID: AMCLI-2772

Level: INFO

Description: Failed to list datastores.

Data: name of realm, error message

Triggers: Execute list datastores Commandline interface.

Actions: Look under debug file for more information.

ATTEMPT_CREATE_DATASTORE

ID: AMCLI-2780

Level: INFO

Description: Attemp to create datastore.

Data: name of realm, name of datastore, type of datastore

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

Triggers: Execute create datastore Commandline interface.

SUCCEEDED_CREATE_DATASTORE

ID: AMCLI-2781

Level: INFO

Description: Create datastore succeeded.

Data: name of realm, name of datastore, type of datastore

Triggers: Execute create datastore Commandline interface.

FAILED_CREATE_DATASTORE

ID: AMCLI-2782

Level: INFO

Description: Failed to create datastore.

Data: name of realm, name of datastore, type of datastore

Triggers: Execute create datastore Commandline interface.

Actions: Look under debug file for more information.

ATTEMPT_DELETE_DATASTORES

ID: AMCLI-2790

Level: INFO

Description: Attempt to delete datastores.

Data: name of realm, names of datastore

Triggers: Execute delete datastores Commandline interface.

SUCCEEDED_DELETE_DATASTORES

ID: AMCLI-2791

Level: INFO

Description: Delete datastores succeeded.

Data: name of realm, names of datastore

Triggers: Execute delete datastores Commandline interface.

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

FAILED_DELETE_DATASTORES

ID: AMCLI-2792

Level: INFO

Description: Failed to delete datastores.

Data: name of realm, names of datastore

Triggers: Execute delete datastore Commandline interface.

Actions: Look under debug file for more information.

ATTEMPT_UPDATE_DATASTORE

ID: AMCLI-2800

Level: INFO

Description: Attempt to update datastore profile.

Data: name of realm, name of datastore

Triggers: Execute update datastore Commandline interface.

SUCCEEDED_UPDATE_DATASTORE

ID: AMCLI-2801

Level: INFO

Description: Update datastore succeeded.

Data: name of realm, name of datastore

Triggers: Execute update datastore Commandline interface.

FAILED_UPDATE_DATASTORE

ID: AMCLI-2802

Level: INFO

Description: Failed to update datastore.

Data: name of realm, name of datastore, error message

Triggers: Execute update datastore Commandline interface.

Actions: Look under debug file for more information.

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

ATTEMPT_IMPORT_SM_CONFIG_DATA

ID: AMCLI-2900

Level: INFO

Description: Attempt to import service management configuration data.

Data: name of file

Triggers: Execute export configuration data Commandline interface.

SUCCEEDED_IMPORT_SM_CONFIG_DATA

ID: AMCLI-2901

Level: INFO

Description: Import service management configuration data succeeded.

Data: name of file

Triggers: Execute export configuration data Commandline interface.

FAILED_IMPORT_SM_CONFIG_DATA

ID: AMCLI-2902

Level: INFO

Description: Failed to import service management configuration data.

Data: name of file, error message

Triggers: Execute export configuration data Commandline interface.

Actions: Look under debug file for more information.

ATTEMPT_EXPORT_SM_CONFIG_DATA

ID: AMCLI-3000

Level: INFO

Description: Attempt to export service management configuration data.

Data: name of file

Triggers: Execute export configuration data Commandline interface.

SUCCEEDED_IMPORT_SM_CONFIG_DATA

ID: AMCLI-3001

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

Level: INFO

Description: Export service management configuration data succeeded.

Data: name of file

Triggers: Execute export configuration data Commandline interface.

FAILED_EXPORT_SM_CONFIG_DATA

ID: AMCLI-3002

Level: INFO

Description: Failed to export service management configuration data.

Data: name of file, error message

Triggers: Execute export configuration data Commandline interface.

Actions: Look under debug file for more information.

ATTEMPT_CREATE_SERVERCONFIG_XML

ID: AMCLI-3010

Level: INFO

Description: Attempt to create server configuration xml.

Data: name of file

Triggers: Execute create server configuration xml Commandline interface.

SUCCEEDED_CREATE_SERVERCONFIG_XML

ID: AMCLI-3011

Level: INFO

Description: Create server configuration xml succeeded.

Data: name of file

Triggers: Execute create server configuration xml Commandline interface.

FAILED_CREATE_SERVERCONFIG_XML

ID: AMCLI-3012

Level: INFO

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

Description: Failed to create server configuration xml.

Data: name of file, error message

Triggers: Execute create server configuration xml Commandline interface.

Actions: Look under debug file for more information.

ATTEMPT_REALM_REMOVE_SERVICE_ATTR_VALUES

ID: AMCLI-3020

Level: INFO

Description: Attempt to remove service attribute values of realm.

Data: name of realm, name of service

Triggers: Execute remove service attribute values of realm Commandline interface.

SUCCEED_REALM_REMOVE_SERVICE_ATTR_VALUES

ID: AMCLI-3021

Level: INFO

Description: Service attribute values of realm are removed.

Data: name of realm, name of service

Triggers: Execute remove service attribute values of realm Commandline interface.

FAILED_REALM_REMOVE_SERVICE_ATTR_VALUES

ID: AMCLI-3022

Level: INFO

Description: Unable to remove service attribute values of realm.

Data: name of realm, name of service, error message

Triggers: Execute remove service attribute values of realm Commandline interface.

Actions: Look under debug file for more information.

ATTEMPT_REALM_ADD_SERVICE_ATTR_VALUES

ID: AMCLI-3030

Level: INFO

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

Description: Attempt to add service attribute values of realm.

Data: name of realm, name of service

Triggers: Execute add service attribute values of realm Commandline interface.

SUCCEED_REALM_ADD_SERVICE_ATTR_VALUES

ID: AMCLI-3031

Level: INFO

Description: Service attribute values of realm are added.

Data: name of realm, name of service

Triggers: Execute add service attribute values of realm Commandline interface.

FAILED_REALM_ADD_SERVICE_ATTR_VALUES

ID: AMCLI-3032

Level: INFO

Description: Unable to add service attribute values of realm.

Data: name of realm, name of service, error message

Triggers: Execute add service attribute values of realm Commandline interface.

Actions: Look under debug file for more information.

ATTEMPT_LIST_SERVER_CONFIG

ID: AMCLI-3040

Level: INFO

Description: Attempt to list server configuration.

Data: name of server

Triggers: Execute list server configuration Commandline interface.

SUCCEED_LIST_SERVER_CONFIG

ID: AMCLI-3041

Level: INFO

Description: Server configuration is displayed.

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

Data: name of server

Triggers: Execute list server configuration Commandline interface.

FAILED_LIST_SERVER_CONFIG

ID: AMCLI-3042

Level: INFO

Description: Unable to list server configuration.

Data: name of server, error message

Triggers: Execute list server configuration Commandline interface.

Actions: Check if servername is correct.; Look under debug file for more information.

ATTEMPT_UPDATE_SERVER_CONFIG

ID: AMCLI-3050

Level: INFO

Description: Attempt to update server configuration.

Data: name of server

Triggers: Execute update server configuration Commandline interface.

SUCCEED_UPDATE_SERVER_CONFIG

ID: AMCLI-3051

Level: INFO

Description: Server configuration is updated.

Data: name of server

Triggers: Execute update server configuration Commandline interface.

FAILED_UPDATE_SERVER_CONFIG

ID: AMCLI-3052

Level: INFO

Description: Unable to update server configuration.

Data: name of server, error message

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

Triggers: Execute update server configuration Commandline interface.

Actions: Check if servername is correct.; Look under debug file for more information.

ATTEMPT_REMOVE_SERVER_CONFIG

ID: AMCLI-3060

Level: INFO

Description: Attempt to remove server configuration.

Data: name of server

Triggers: Execute remove server configuration Commandline interface.

SUCCEED_REMOVE_SERVER_CONFIG

ID: AMCLI-3061

Level: INFO

Description: Server configuration is removed.

Data: name of server

Triggers: Execute remove server configuration Commandline interface.

FAILED_REMOVE_SERVER_CONFIG

ID: AMCLI-3062

Level: INFO

Description: Remove server configuration.

Data: name of server, error message

Triggers: Execute remove server configuration Commandline interface.

Actions: Check if servername is correct.; Look under debug file for more information.

ATTEMPT_CREATE_SERVER

ID: AMCLI-3070

Level: INFO

Description: Attempt to create server.

Data: name of server

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

Triggers: Execute create server Commandline interface.

SUCCEED_CREATE_SERVER

ID: AMCLI-3071

Level: INFO

Description: Server is created.

Data: name of server

Triggers: Execute create server Commandline interface.

FAILED_CREATE_SERVER

ID: AMCLI-3072

Level: INFO

Description: Unable to create server.

Data: name of server, error message

Triggers: Execute create server Commandline interface.

Actions: Look under debug file for more information.

ATTEMPT_DELETE_SERVER

ID: AMCLI-3080

Level: INFO

Description: Attempt to delete server.

Data: name of server

Triggers: Execute delete server Commandline interface.

SUCCEED_DELETE_SERVER

ID: AMCLI-3081

Level: INFO

Description: Server is deleted.

Data: name of server

Triggers: Execute delete server Commandline interface.

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

FAILED_DELETE_SERVER

ID: AMCLI-3082

Level: INFO

Description: Unable to delete server.

Data: name of server, error message

Triggers: Execute delete server Commandline interface.

Actions: Check the name of the server.; Look under debug file for more information.

ATTEMPT_LIST_SERVERS

ID: AMCLI-3090

Level: INFO

Description: Attempt to list servers.

Triggers: Execute list servers Commandline interface.

SUCCEED_LIST_SERVERS

ID: AMCLI-3091

Level: INFO

Description: Servers are displayed.

Triggers: Execute list servers Commandline interface.

FAILED_LIST_SERVERS

ID: AMCLI-3092

Level: INFO

Description: Unable to list servers.

Data: error message

Triggers: Execute list servers Commandline interface.

Actions: Look under debug file for more information.

ATTEMPT_CREATE_SITE

ID: AMCLI-3100

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

Level: INFO

Description: Attempt to create site.

Data: name of site, primary URL of site

Triggers: Execute create site Commandline interface.

SUCCEED_CREATE_SITE

ID: AMCLI-3101

Level: INFO

Description: Site is created.

Data: name of site, primary URL of site

Triggers: Execute create site Commandline interface.

FAILED_CREATE_SITE

ID: AMCLI-3102

Level: INFO

Description: Unable to create site.

Data: name of site, primary URL of site, error message

Triggers: Execute create site Commandline interface.

Actions: Look under debug file for more information.

ATTEMPT_LIST_SITES

ID: AMCLI-3110

Level: INFO

Description: Attempt to list sites.

Triggers: Execute list sites Commandline interface.

SUCCEED_LIST_SITES

ID: AMCLI-3111

Level: INFO

Description: Sites are displayed.

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

Triggers: Execute list sites Commandline interface.

FAILED_LIST_SITES

ID: AMCLI-3112

Level: INFO

Description: Unable to list sites.

Data: error message

Triggers: Execute list sites Commandline interface.

Actions: Look under debug file for more information.

ATTEMPT_SHOW_SITE_MEMBERS

ID: AMCLI-3120

Level: INFO

Description: Attempt to show site members.

Data: name of site

Triggers: Execute show site members Commandline interface.

SUCCEED_SHOW_SITE_MEMBERS

ID: AMCLI-3121

Level: INFO

Description: Site members are displayed.

Data: name of site

Triggers: Execute show site members Commandline interface.

FAILED_SHOW_SITE_MEMBERS

ID: AMCLI-3122

Level: INFO

Description: Unable to show site members.

Data: name of site, error message

Triggers: Execute show site members Commandline interface.

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

Actions: Look under debug file for more information.

ATTEMPT_ADD_SITE_MEMBERS

ID: AMCLI-3130

Level: INFO

Description: Attempt to add members to site.

Data: name of site

Triggers: Execute add members to site Commandline interface.

SUCCEED_ADD_SITE_MEMBERS

ID: AMCLI-3131

Level: INFO

Description: Members are added to site.

Data: name of site

Triggers: Execute add members to site Commandline interface.

FAILED_ADD_SITE_MEMBERS

ID: AMCLI-3132

Level: INFO

Description: Unable to add members to site.

Data: name of site, error message

Triggers: Execute add members to site Commandline interface.

Actions: Look under debug file for more information.

ATTEMPT_REMOVE_SITE_MEMBERS

ID: AMCLI-3140

Level: INFO

Description: Attempt to remove members from site.

Data: name of site

Triggers: Execute remove members from site Commandline interface.

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

SUCCEED_REMOVE_SITE_MEMBERS

ID: AMCLI-3141

Level: INFO

Description: Members are removed from site.

Data: name of site

Triggers: Execute remove members from site Commandline interface.

FAILED_REMOVE_SITE_MEMBERS

ID: AMCLI-3142

Level: INFO

Description: Unable to remove members from site.

Data: name of site, error message

Triggers: Execute remove members from site Commandline interface.

Actions: Look under debug file for more information.

ATTEMPT_DELETE_SITE

ID: AMCLI-3150

Level: INFO

Description: Attempt to delete site.

Data: name of site

Triggers: Execute delete site Commandline interface.

SUCCEED_DELETE_SITE

ID: AMCLI-3151

Level: INFO

Description: Site is deleted.

Data: name of site

Triggers: Execute delete site Commandline interface.

FAILED_DELETE_SITE

ID: AMCLI-3152

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

Level: INFO

Description: Unable to delete members from site.

Data: name of site, error message

Triggers: Execute delete site Commandline interface.

Actions: Look under debug file for more information.

ATTEMPT_SET_SITE_PRIMARY_URL

ID: AMCLI-3160

Level: INFO

Description: Attempt to set site primary URL.

Data: name of site, primary URL of site

Triggers: Execute set site primary URL Commandline interface.

SUCCEED_SET_SITE_PRIMARY_URL

ID: AMCLI-3161

Level: INFO

Description: Site primary URL is set.

Data: name of site, primary URL of site

Triggers: Execute set site primary URL Commandline interface.

FAILED_SET_SITE_PRIMARY_URL

ID: AMCLI-3162

Level: INFO

Description: Unable to set site primary URL.

Data: name of site, primary URL of site, error message

Triggers: Execute set site primary URL Commandline interface.

Actions: Look under debug file for more information.

ATTEMPT_SHOW_SITE

ID: AMCLI-3170

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

Level: INFO

Description: Attempt to show site profile.

Data: name of site

Triggers: Execute show site profile Commandline interface.

SUCCEED_SHOW_SITE

ID: AMCLI-3171

Level: INFO

Description: Site profile is displayed.

Data: name of site

Triggers: Execute show site profile Commandline interface.

FAILED_SHOW_SITE

ID: AMCLI-3172

Level: INFO

Description: Unable to show site profile.

Data: name of site, error message

Triggers: Execute show site profile Commandline interface.

Actions: Look under debug file for more information.

ATTEMPT_SET_SITE_FAILOVER_URLS

ID: AMCLI-3180

Level: INFO

Description: Attempt to set site failover URLs.

Data: name of site

Triggers: Execute set site failover URLs Commandline interface.

SUCCEED_SET_SITE_FAILOVER_URLS

ID: AMCLI-3181

Level: INFO

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

Description: Site failover URLs are set.

Data: name of site

Triggers: Execute set site failover URLs Commandline interface.

FAILED_SET_SITE_FAILOVER_URLS

ID: AMCLI-3182

Level: INFO

Description: Unable to set site failover URLs.

Data: name of site, error message

Triggers: Execute set site failover URLs Commandline interface.

Actions: Look under debug file for more information.

ATTEMPT_ADD_SITE_FAILOVER_URLS

ID: AMCLI-3190

Level: INFO

Description: Attempt to add site failover URLs.

Data: name of site

Triggers: Execute add site failover URLs Commandline interface.

SUCCEED_ADD_SITE_FAILOVER_URLS

ID: AMCLI-3191

Level: INFO

Description: Site failover URLs are added.

Data: name of site

Triggers: Execute add site failover URLs Commandline interface.

FAILED_ADD_SITE_FAILOVER_URLS

ID: AMCLI-3192

Level: INFO

Description: Unable to add site failover URLs.

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

Data: name of site, error message

Triggers: Execute add site failover URLs Commandline interface.

Actions: Look under debug file for more information.

ATTEMPT_REMOVE_SITE_FAILOVER_URLS

ID: AMCLI-3200

Level: INFO

Description: Attempt to remove site failover URLs.

Data: name of site

Triggers: Execute remove site failover URLs Commandline interface.

SUCCEED_REMOVE_SITE_FAILOVER_URLS

ID: AMCLI-3201

Level: INFO

Description: Site failover URLs are removed.

Data: name of site

Triggers: Execute remove site failover URLs Commandline interface.

FAILED_REMOVE_SITE_FAILOVER_URLS

ID: AMCLI-3202

Level: INFO

Description: Unable to remove site failover URLs.

Data: name of site, error message

Triggers: Execute remove site failover URLs Commandline interface.

Actions: Look under debug file for more information.

ATTEMPT_CLONE_SERVER

ID: AMCLI-3210

Level: INFO

Description: Attempt to clone server.

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

Data: name of server, name of cloned server

Triggers: Execute clone server Commandline interface.

SUCCEED_CLONE_SERVER

ID: AMCLI-3211

Level: INFO

Description: Server is cloned.

Data: name of server, name of cloned server

Triggers: Execute clone server Commandline interface.

FAILED_CLONE_SERVER

ID: AMCLI-3212

Level: INFO

Description: Unable to clone server.

Data: name of server, name of cloned server, error message

Triggers: Execute clone server Commandline interface.

Actions: Look under debug file for more information.

ATTEMPT_EXPORT_SERVER

ID: AMCLI-3220

Level: INFO

Description: Attempt to export server.

Data: name of server

Triggers: Execute export server Commandline interface.

SUCCEED_EXPORT_SERVER

ID: AMCLI-3221

Level: INFO

Description: Server is cloned.

Data: name of server

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

Triggers: Execute export server Commandline interface.

FAILED_EXPORT_SERVER

ID: AMCLI-3222

Level: INFO

Description: Unable to export server.

Data: name of server, error message

Triggers: Execute export server Commandline interface.

Actions: Look under debug file for more information.

ATTEMPT_IMPORT_SERVER

ID: AMCLI-3230

Level: INFO

Description: Attempt to import server configuration.

Data: name of server

Triggers: Execute import server configuration Commandline interface.

SUCCEED_IMPORT_SERVER

ID: AMCLI-3231

Level: INFO

Description: Server configuration is imported.

Data: name of server

Triggers: Execute import server configuration Commandline interface.

FAILED_IMPORT_SERVER

ID: AMCLI-3232

Level: INFO

Description: Unable to import server configuration.

Data: name of server, error message

Triggers: Execute import server configuration Commandline interface.

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

Actions: Look under debug file for more information.

ATTEMPT_GET_SUPPORTED_DATA_TYPES

ID: AMCLI-5000

Level: INFO

Description: Attempt to get the supported data types.

Triggers: Execute get the supported data type Commandline interface.

SUCCEED_GET_SUPPORTED_DATA_TYPES

ID: AMCLI-5001

Level: INFO

Description: The supported data types are retrieved.

Triggers: Execute add service attribute values Commandline interface.

FAILED_GET_SUPPORTED_DATA_TYPES

ID: AMCLI-5002

Level: INFO

Description: Unable to get the supported data types.

Data: error message

Triggers: Execute get the supported data types Commandline interface.

Actions: Look under debug file for more information.

ATTEMPT_CREATE_AGENT

ID: AMCLI-4000

Level: INFO

Description: Attempt to create an agent.

Data: realm, agent type, name of agent

Triggers: Execute create agent Commandline interface.

SUCCEED_CREATE_AGENT

ID: AMCLI-4001

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

Level: INFO

Description: Agent is created.

Data: realm, agent type, name of agent

Triggers: Execute create agent Commandline interface.

FAILED_CREATE_AGENT

ID: AMCLI-4002

Level: INFO

Description: Unable to create agent.

Data: realm, agent type, name of agent, error message

Triggers: Execute create agent Commandline interface.

Actions: Look under debug file for more information.

ATTEMPT_DELETE_AGENTS

ID: AMCLI-4010

Level: INFO

Description: Attempt to delete agents.

Data: name of realm, name of agents

Triggers: Execute delete agents Commandline interface.

SUCCEED_DELETE_AGENTS

ID: AMCLI-4011

Level: INFO

Description: Agents are deleted.

Data: name of realm, name of agents

Triggers: Execute delete agents Commandline interface.

FAILED_DELETE_AGENTS

ID: AMCLI-4012

Level: INFO

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

Description: Unable to delete agents.

Data: name of realm, name of agents, error message

Triggers: Execute delete agents Commandline interface.

Actions: Look under debug file for more information.

ATTEMPT_UPDATE_AGENT

ID: AMCLI-4020

Level: INFO

Description: Attempt to set attribute values of an agent.

Data: name of realm, name of agent

Triggers: Execute update agent Commandline interface.

SUCCEED_UPDATE_AGENT

ID: AMCLI-4021

Level: INFO

Description: Agent profile is modified.

Data: name of realm, name of agent

Triggers: Execute update agent Commandline interface.

FAILED_UPDATE_AGENT

ID: AMCLI-4022

Level: INFO

Description: Unable to update an agent.

Data: name of realm, name of agent, error message

Triggers: Execute update agent Commandline interface.

Actions: Look under debug file for more information.

ATTEMPT_LIST_AGENTS

ID: AMCLI-4030

Level: INFO

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

Description: Attempt to list agents.

Data: name of realm, agent type, search pattern

Triggers: Execute list agents Commandline interface.

SUCCEED_LIST_AGENTS

ID: AMCLI-4031

Level: INFO

Description: Search Result is returned.

Data: name of realm, agent type, search pattern

Triggers: Execute list agents Commandline interface.

FAILED_LIST_AGENTS

ID: AMCLI-4032

Level: INFO

Description: Unable to list agents.

Data: name of realm, agent type, search pattern, error message

Triggers: Execute list agents Commandline interface.

Actions: Look under debug file for more information.

ATTEMPT_SHOW_AGENT

ID: AMCLI-4040

Level: INFO

Description: Attempt to get attribute values of an agent.

Data: name of realm, name of agent

Triggers: Execute get the attribute values of an agent Commandline interface.

SUCCEED_SHOW_AGENT

ID: AMCLI-4041

Level: INFO

Description: Attribute values are returned.

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

Data: name of realm, name of agent

Triggers: Execute get the attribute values of an agent Commandline interface.

FAILED_SHOW_AGENT

ID: AMCLI-4042

Level: INFO

Description: Unable to get the attribute values of an agent.

Data: name of realm, name of agent, error message

Triggers: Execute get the attribute values of an agent Commandline interface.

Actions: Look under debug file for more information.

ATTEMPT_CREATE_AGENT_GROUP

ID: AMCLI-4050

Level: INFO

Description: Attempt to create an agent group.

Data: realm, agent type, name of agent group

Triggers: Execute create agent group Commandline interface.

SUCCEED_CREATE_AGENT_GROUP

ID: AMCLI-4051

Level: INFO

Description: Agent group is created.

Data: realm, agent type, name of agent group

Triggers: Execute create agent group Commandline interface.

FAILED_CREATE_AGENT_GROUP

ID: AMCLI-4052

Level: INFO

Description: Unable to create agent group.

Data: realm, agent type, name of agent group, error message

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

Triggers: Execute create agent group Commandline interface.

Actions: Look under debug file for more information.

ATTEMPT_DELETE_AGENT_GROUPS

ID: AMCLI-4060

Level: INFO

Description: Attempt to delete agent groups.

Data: name of realm, name of agent groups

Triggers: Execute delete agent groups Commandline interface.

SUCCEED_DELETE_AGENT_GROUPS

ID: AMCLI-4061

Level: INFO

Description: Agent groups are deleted.

Data: name of realm, name of agent groups

Triggers: Execute delete agent groups Commandline interface.

FAILED_DELETE_AGENT_GROUPS

ID: AMCLI-4062

Level: INFO

Description: Unable to delete agent groups.

Data: name of realm, name of agent groups, error message

Triggers: Execute delete agent groups Commandline interface.

Actions: Look under debug file for more information.

ATTEMPT_LIST_AGENT_GROUPS

ID: AMCLI-4070

Level: INFO

Description: Attempt to list agent groups.

Data: name of realm, agent type, search pattern

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

Triggers: Execute list agent groups Commandline interface.

SUCCEED_LIST_AGENT_GROUPS

ID: AMCLI-4071

Level: INFO

Description: Search Result is returned.

Data: name of realm, agent type, search pattern

Triggers: Execute list agent groups Commandline interface.

FAILED_LIST_AGENT_GROUPS

ID: AMCLI-4072

Level: INFO

Description: Unable to list agent groups.

Data: name of realm, agent type, search pattern, error message

Triggers: Execute list agent groups Commandline interface.

Actions: Look under debug file for more information.

ATTEMPT_ADD_AGENT_TO_GROUP

ID: AMCLI-4080

Level: INFO

Description: Attempt to add agent to group.

Data: name of realm, name of agent group, name of agent

Triggers: Execute add agents to group Commandline interface.

SUCCEED_ADD_AGENT_TO_GROUP

ID: AMCLI-4081

Level: INFO

Description: Agent is added to group.

Data: name of realm, name of agent group, name of agent

Triggers: Execute add agent to group Commandline interface.

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

FAILED_ADD_AGENT_TO_GROUP

ID: AMCLI-4082

Level: INFO

Description: Unable to add agent to group.

Data: name of realm, name of agent group, name of agent, error message

Triggers: Execute add agent to group Commandline interface.

Actions: Look under debug file for more information.

ATTEMPT_REMOVE_AGENT_FROM_GROUP

ID: AMCLI-4090

Level: INFO

Description: Attempt to remove agent from group.

Data: name of realm, name of agent group, name of agent

Triggers: Execute remove agent from group Commandline interface.

SUCCEED_REMOVE_AGENT_FROM_GROUP

ID: AMCLI-4091

Level: INFO

Description: Agent is removed to group.

Data: name of realm, name of agent group, name of agent

Triggers: Execute remove agent from group Commandline interface.

FAILED_REMOVE_AGENT_FROM_GROUP

ID: AMCLI-4092

Level: INFO

Description: Unable to remove agent from group.

Data: name of realm, name of agent group, name of agent, error message

Triggers: Execute remove agent from group Commandline interface.

Actions: Look under debug file for more information.

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

ATTEMPT_SET_AGENT_PWD

ID: AMCLI-4100

Level: INFO

Description: Attempt to set agent password.

Data: realm, name of agent

Triggers: Execute set agent password Commandline interface.

SUCCEED_SET_AGENT_PWD

ID: AMCLI-4101

Level: INFO

Description: Agent password is modified.

Data: realm, name of agent

Triggers: Execute set agent password Commandline interface.

FAILED_SET_AGENT_PWD

ID: AMCLI-4102

Level: INFO

Description: Unable to set agent password.

Data: realm, name of agent, error message

Triggers: Execute set agent password Commandline interface.

Actions: Look under debug file for more information.

ATTEMPT_SHOW_AGENT_GROUP

ID: AMCLI-4110

Level: INFO

Description: Attempt to get attribute values of an agent group.

Data: name of realm, name of agent group

Triggers: Execute get the attribute values of an agent group Commandline interface.

SUCCEED_SHOW_AGENT_GROUP

ID: AMCLI-4111

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

Level: INFO

Description: Attribute values are returned.

Data: name of realm, name of agent group

Triggers: Execute get the attribute values of an agent group Commandline interface.

FAILED_SHOW_AGENT_GROUP

ID: AMCLI-4112

Level: INFO

Description: Unable to get the attribute values of an agent group.

Data: name of realm, name of agent group, error message

Triggers: Execute get the attribute values of an agent group Commandline interface.

Actions: Look under debug file for more information.

ATTEMPT_UPDATE_AGENT_GROUP

ID: AMCLI-4120

Level: INFO

Description: Attempt to set attribute values of an agent group.

Data: name of realm, name of agent group

Triggers: Execute update agent group Commandline interface.

SUCCEED_UPDATE_AGENT_GROUP

ID: AMCLI-4121

Level: INFO

Description: Agent group profile is modified.

Data: name of realm, name of agent group

Triggers: Execute update agent group Commandline interface.

FAILED_UPDATE_AGENT_GROUP

ID: AMCLI-4122

Level: INFO

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

Description: Unable to update an agent.

Data: name of realm, name of agent group, error message

Triggers: Execute update agent group Commandline interface.

Actions: Look under debug file for more information.

ATTEMPT_SHOW_AGENT_TYPES

ID: AMCLI-4130

Level: INFO

Description: Attempt to show supported agent types.

Triggers: Execute show supported agent types Commandline interface.

SUCCEED_SHOW_AGENT_TYPES

ID: AMCLI-4131

Level: INFO

Description: Supported agent types is displayed.

Triggers: Execute show supported agent types Commandline interface.

FAILED_SHOW_AGENT_TYPES

ID: AMCLI-4132

Level: INFO

Description: Unable to show supported agent types.

Data: error message

Triggers: Execute show supported agent types Commandline interface.

Actions: Look under debug file for more information.

ATTEMPT_SHOW_AGENT_GROUP_MEMBERS

ID: AMCLI-4140

Level: INFO

Description: Attempt to show agent group members.

Data: name of realm, name of agent group

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

Triggers: Execute show agent group members Commandline interface.

SUCCEED_SHOW_AGENT_GROUP_MEMBERS

ID: AMCLI-4141

Level: INFO

Description: Agent group's members are displayed.

Data: name of realm, name of agent group

Triggers: Execute show agent group members Commandline interface.

FAILED_SHOW_AGENT_GROUP_MEMBERS

ID: AMCLI-4142

Level: INFO

Description: Unable to show agent group members.

Data: name of realm, name of agent group, error message

Triggers: Execute show agent group members Commandline interface.

Actions: Look under debug file for more information.

ATTEMPT_LIST_AGENT_MEMBERSHIP

ID: AMCLI-4150

Level: INFO

Description: Attempt to show agent's membership.

Data: name of realm, name of agent

Triggers: Execute show agent's membership Commandline interface.

SUCCEED_LIST_AGENT_MEMBERSHIP

ID: AMCLI-4151

Level: INFO

Description: Agent's membership are displayed.

Data: name of realm, name of agent

Triggers: Execute show agent's membership Commandline interface.

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

FAILED_LIST_AGENT_MEMBERSHIP

ID: AMCLI-4152

Level: INFO

Description: Unable to show agent's membership.

Data: name of realm, name of agent, error message

Triggers: Execute show agent's membership Commandline interface.

Actions: Look under debug file for more information.

ATTEMPT_REGISTER_AUTH_MODULE

ID: AMCLI-4500

Level: INFO

Description: Attempt to register authentication module.

Data: name of service

Triggers: Execute register authentication module Commandline interface.

SUCCEED_REGISTER_AUTH_MODULE

ID: AMCLI-4501

Level: INFO

Description: Authentication module is registered.

Data: name of service

Triggers: Execute register authentication module Commandline interface.

FAILED_REGISTER_AUTH_MODULE

ID: AMCLI-4502

Level: INFO

Description: Unable to register authentication module.

Data: name of service, error message

Triggers: Execute register authentication module Commandline interface.

Actions: Look under debug file for more information.

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

ATTEMPT_UNREGISTER_AUTH_MODULE

ID: AMCLI-4510

Level: INFO

Description: Attempt to unregister authentication module.

Data: name of service

Triggers: Execute unregister authentication module Commandline interface.

SUCCEED_UNREGISTER_AUTH_MODULE

ID: AMCLI-4511

Level: INFO

Description: Authentication module is unregistered.

Data: name of service

Triggers: Execute unregister authentication module Commandline interface.

FAILED_UNREGISTER_AUTH_MODULE

ID: AMCLI-4512

Level: INFO

Description: Unable to unregister authentication module.

Data: name of service, error message

Triggers: Execute unregister authentication module Commandline interface.

Actions: Look under debug file for more information.

ATTEMPT_GET_SUPPORTED_AUTH_MODULES

ID: AMCLI-4515

Level: INFO

Description: Attempt to get supported authentication modules in the system.

Triggers: Execute get supported authentication modules in the system Commandline interface.

SUCCEED_GET_SUPPORTED_AUTH_MODULES

ID: AMCLI-4516

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

Level: INFO

Description: Supported authentication modules in the system are displayed.

Triggers: Execute get supported authentication modules in the system module Commandline interface.

FAILED_GET_SUPPORTED_AUTH_MODULES

ID: AMCLI-4517

Level: INFO

Description: Failed to get supported authentication modules in the system.

Data: error message

Triggers: Execute get supported authentication modules in the system Commandline interface.

Actions: Look under debug file for more information.

ATTEMPT_REMOVE_AGENT_PROPERTIES

ID: AMCLI-4520

Level: INFO

Description: Attempt to remove property values of an agent.

Data: name of realm, name of agent, property names

Triggers: Execute remove property values of an agent Commandline interface.

SUCCEED_REMOVE_AGENT_PROPERTIES

ID: AMCLI-4521

Level: INFO

Description: Property values are removed.

Data: name of realm, name of agent, property names

Triggers: Execute remove property values of an agent Commandline interface.

FAILED_REMOVE_AGENT_PROPERTIES

ID: AMCLI-4522

Level: INFO

Description: Unable to remove property values of an agent.

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

Data: name of realm, name of agent, property names, error message

Triggers: Execute remove property values of an agent Commandline interface.

Actions: Look under debug file for more information.

ATTEMPT_GET_SERVER_CONFIG_XML

ID: AMCLI-4600

Level: INFO

Description: Attempt to get server configuration XML.

Data: name of server

Triggers: Execute get server configuration XML Commandline interface.

SUCCEED_GET_SERVER_CONFIG_XML

ID: AMCLI-4601

Level: INFO

Description: Server configuration XML is displayed.

Data: name of server

Triggers: Execute get server configuration XML Commandline interface.

FAILED_GET_SERVER_CONFIG_XML

ID: AMCLI-4602

Level: INFO

Description: Unable to get server configuration XML.

Data: name of server, error message

Triggers: Execute get server configuration XML Commandline interface.

Actions: Check if servername is correct.; Look under debug file for more information.

ATTEMPT_SET_SERVER_CONFIG_XML

ID: AMCLI-4610

Level: INFO

Description: Attempt to set server configuration XML.

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

Data: name of server

Triggers: Execute set server configuration XML Commandline interface.

SUCCEED_SET_SERVER_CONFIG_XML

ID: AMCLI-4611

Level: INFO

Description: Server configuration XML is set.

Data: name of server

Triggers: Execute set server configuration XML Commandline interface.

FAILED_SET_SERVER_CONFIG_XML

ID: AMCLI-4612

Level: INFO

Description: Unable to set server configuration XML.

Data: name of server, error message

Triggers: Execute set server configuration XML Commandline interface.

Actions: Check if servername is correct.; Look under debug file for more information.

ATTEMPT_LIST_DATASTORE_TYPES

ID: AMCLI-4700

Level: INFO

Description: Attempt to list supported datastore types.

Triggers: Execute list supported datastore types Commandline interface.

SUCCEEDED_LIST_DATASTORE_TYPES

ID: AMCLI-4701

Level: INFO

Description: List supported datastore types succeeded.

Triggers: Execute list supported datastore types Commandline interface.

FAILED_LIST_DATASTORE_TYPES

ID: AMCLI-4702

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

Level: INFO

Description: Failed to list supported datastore types.

Data: error message

Triggers: Execute list supported datastore types Commandline interface.

Actions: Look under debug file for more information.

ATTEMPT_ADD_AUTH_CONFIG_ENTRY

ID: AMCLI-4800

Level: INFO

Description: Attempt to add authentication configuration entry.

Data: name of realm, name of authentication configuration, name of module

Triggers: Execute add authentication configuration entry Commandline interface.

SUCCEEDED_ADD_AUTH_CONFIG_ENTRY

ID: AMCLI-4801

Level: INFO

Description: Authentication instance configuration entry is created.

Data: name of realm, name of authentication configuration, name of module

Triggers: Execute add authentication configuration entry Commandline interface.

FAILED_ADD_AUTH_CONFIG_ENTRY

ID: AMCLI-4802

Level: INFO

Description: Failed to add authentication configuration entry.

Data: name of realm, name of authentication configuration, name of module, error message

Triggers: Execute add authentication configuration entry Commandline interface.

Actions: Look under debug file for more information.

ATTEMPT_SHOW_DATASTORE

ID: AMCLI-5000

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

Level: INFO

Description: Attempt to show datastore profile.

Data: name of realm, name of datastore

Triggers: Execute show datastore Commandline interface.

SUCCEEDED_SHOW_DATASTORE

ID: AMCLI-5001

Level: INFO

Description: Show datastore succeeded.

Data: name of realm, name of datastore

Triggers: Execute show datastore Commandline interface.

FAILED_SHOW_DATASTORE

ID: AMCLI-5002

Level: INFO

Description: Failed to show datastore profile.

Data: name of realm, name of datastore, error message

Triggers: Execute show datastore Commandline interface.

Actions: Look under debug file for more information.

ATTEMPT_ADD_AMSDK_PLUGIN

ID: AMCLI-5100

Level: INFO

Description: Add AMSDK IdRepo Plugin.

Data: name of datastore name

Triggers: Execute add AMSDK IdRepo Plugin Commandline interface.

SUCCEED_ADD_AMSDK_PLUGIN

ID: AMCLI-5101

Level: INFO

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

Description: AMSDK plugin is added.

Data: name of datastore name

Triggers: Execute add AMSDK IdRepo Plugin Commandline interface.

FAILED_ADD_AMSDK_PLUGIN

ID: AMCLI-5102

Level: INFO

Description: Failed to add AMSDK IdRepo Plugin.

Data: name of datastore name, error message

Triggers: Execute add AMSDK IdRepo Plugin Commandline interface.

Actions: Look under debug file for more information.

ATTEMPT_SET_SVC_ATTR_VALUES_REALM

ID: AMCLI-5200

Level: INFO

Description: Attempt to set attribute value to a service that is assigned to a realm.

Data: name of realm, name of service

Triggers: Execute set attribute values a service that is assigned to a to realm Commandline interface.

SUCCEED_SET_SVC_ATTR_VALUES_REALM

ID: AMCLI-5201

Level: INFO

Description: Attribute values is set to a service that is assigned to a realm.

Data: name of realm, name of service

Triggers: Execute set attribute values to a service that is assigned to a realm Commandline interface.

FAILED_SET_SVC_ATTR_VALUES_REALM

ID: AMCLI-5202

Level: INFO

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

Description: Unable to set attribute values to a service that is assigned to a realm.

Data: name of realm, name of service, error message

Triggers: Execute set attribute values to a service that is assigned to a realm Commandline interface.

Actions: Look under debug file for more information.

ATTEMPT_EMBEDDED_STATUS

ID: AMCLI-5103

Level: INFO

Description: Get Embedded Status.

Data: port number of embedded store

Triggers: Execute Embedded Status Commandline interface.

SUCCEEDED_EMBEDDED_STATUS

ID: AMCLI-5104

Level: INFO

Description: Embedded Status Successful.

Data: port number of embedded store

Triggers: Execute Embedded Status Commandline interface.

FAILED_EMBEDDED_STATUS

ID: AMCLI-5105

Level: INFO

Description: Failed to get embedded status.

Data: port number of embedded store, error message

Triggers: Execute Embedded Status Commandline interface.

Actions: Look under debug file for more information.

ATTEMPT_ADD_COT_MEMBER

ID: AMCLI-5106

Level: INFO

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

Description: Attempt to add a member to a Circle of Trust.

Data: realm, entity ID, circle of trust, protocol specification

Triggers: Execute add a member to a Circle of Trust Commandline interface.

SUCCEEDED_ADD_COT_MEMBER

ID: AMCLI-5107

Level: INFO

Description: Adding a member to a Circle of Trust succeeded.

Data: realm, entity ID, circle of trust, protocol specification

Triggers: Execute add a member to a Circle of Trust Commandline interface.

FAILED_ADD_COT_MEMBER

ID: AMCLI-5108

Level: INFO

Description: Failed to add a member to a circle of trust.

Data: realm, entity ID, circle of trust, protocol specification, error message

Triggers: Execute add a member to a Circle of Trust Commandline interface.

Actions: Look under debug file for more information.

ATTEMPT_DO_BULK_FEDERATION

ID: AMCLI-5109

Level: INFO

Description: Attempt to do bulk federation.

Data: metaAlias for local provider, Remote entity Id, File name of local to remote user Id mapping, Name of file that will be created by this sub command, protocol specification

Triggers: Execute Do Bulk Federation Commandline interface.

SUCCEEDED_DO_BULK_FEDERATION

ID: AMCLI-5110

Level: INFO

Description: Bulk Federation succeeded.

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

Data: metaAlias for local provider, Remote entity Id, File name of local to remote user Id mapping, Name of file that will be created by this sub command, protocol specification

Triggers: Execute Do Bulk Federation Commandline interface.

FAILED_DO_BULK_FEDERATION

ID: AMCLI-5111

Level: INFO

Description: Failed to do bulk federation.

Data: metaAlias for local provider, Remote entity Id, File name of local to remote user Id mapping, Name of file that will be created by this sub command, protocol specification, error message

Triggers: Execute Do Bulk Federation Commandline interface.

Actions: Look under debug file for more information.

ATTEMPT_CREATE_COT

ID: AMCLI-5112

Level: INFO

Description: Attempt to create Circle of Trust.

Data: Realm, Circle of Trust, Trusted Providers, Prefix URL for idp discovery reader and writer URL

Triggers: Execute Create Circle of Trust Commandline interface.

SUCCEEDED_CREATE_COT

ID: AMCLI-5113

Level: INFO

Description: Creating Circle of Trust succeeded.

Data: Realm, Circle of Trust, Trusted Providers, Prefix URL for idp discovery reader and writer URL

Triggers: Execute Create Circle of Trust Commandline interface.

FAILED_CREATE_COT

ID: AMCLI-5114

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

Level: INFO

Description: Failed to create Circle of Trust.

Data: Realm, Circle of Trust, Trusted Providers, Prefix URL for idp discovery reader and writer URL, error message

Triggers: Execute Create Circle of Trust Commandline interface.

Actions: Look under debug file for more information.

ATTEMPT_CREATE_METADATA_TEMPL

ID: AMCLI-5115

Level: INFO

Description: Attempt to create metadata template.

Data: Entity ID, file name for the standard metadata to be created, file name for the extended metadata to be created, metaAlias for hosted identity provider to be created, metaAlias for hosted service provider to be created, metaAlias for hosted attribute authority to be created, metaAlias for hosted attribute query provider to be created, metaAlias for hosted authentication authority to be created, metaAlias for policy decision point to be created, metaAlias for policy enforcement point to be created, metaAlias for hosted affiliation, protocol specification

Triggers: Execute Create MetaData Template Commandline interface.

SUCCEEDED_CREATE_METADATA_TEMPL

ID: AMCLI-5116

Level: INFO

Description: Creating MetaData Template succeeded.

Data: Entity ID, file name for the standard metadata to be created, file name for the extended metadata to be created, metaAlias for hosted identity provider to be created, metaAlias for hosted service provider to be created, metaAlias for hosted attribute authority to be created, metaAlias for hosted attribute query provider to be created, metaAlias for hosted authentication authority to be created, metaAlias for policy decision point to be created, metaAlias for policy enforcement point to be created, metaAlias for hosted affiliation, protocol specification

Triggers: Execute Create MetaData Template Commandline interface.

FAILED_CREATE_METADATA_TEMPL

ID: AMCLI-5117

Level: INFO

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

Description: Failed to create metaData template.

Data: Entity ID, protocol specification, error message

Triggers: Execute Create MetaData Template Commandline interface.

Actions: Look under debug file for more information.

ATTEMPT_DELETE_COT

ID: AMCLI-5118

Level: INFO

Description: Attempt to delete Circle of Trust.

Data: Realm, Circle of Trust

Triggers: Execute Delete Circle of Trust Commandline interface.

SUCCEEDED_DELETE_COT

ID: AMCLI-5119

Level: INFO

Description: Deleting Circle of Trust succeeded.

Data: Realm, Circle of Trust

Triggers: Execute Delete Circle of Trust Commandline interface.

FAILED_DELETE_COT

ID: AMCLI-5120

Level: INFO

Description: Failed to delete Circle of Trust.

Data: Realm, Circle of Trust, error message

Triggers: Execute Delete Circle of Trust Commandline interface.

Actions: Look under debug file for more information.

ATTEMPT_DELETE_ENTITY

ID: AMCLI-5121

Level: INFO

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

Description: Attempt to delete metadata.

Data: Realm, Entity ID, protocol specification

Triggers: Execute Delete Metadata Commandline interface.

SUCCEEDED_DELETE_ENTITY

ID: AMCLI-5122

Level: INFO

Description: Deleting Metadata succeeded.

Data: Realm, Entity ID, protocol specification

Triggers: Execute Delete Metadata Commandline interface.

FAILED_DELETE_ENTITY

ID: AMCLI-5123

Level: INFO

Description: Failed to delete metadata.

Data: Realm, Entity ID, protocol specification, error message

Triggers: Execute Delete Metadata Commandline interface.

Actions: Look under debug file for more information.

ATTEMPT_EXPORT_ENTITY

ID: AMCLI-5124

Level: INFO

Description: Attempt to export entity.

Data: Realm, Entity ID, Name of file to save the standard metadata XML, Name of file to save the extended metadata XML, protocol specification

Triggers: Execute export entity Commandline interface.

SUCCEEDED_EXPORT_ENTITY

ID: AMCLI-5125

Level: INFO

Description: Exporting entity succeeded.

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

Data: Realm, Entity ID, Name of file to save the standard metadata XML, Name of file to save the extended metadata XML, protocol specification

Triggers: Execute export entity Commandline interface.

FAILED_EXPORT_ENTITY

ID: AMCLI-5126

Level: INFO

Description: Failed to export entity.

Data: Realm, Entity ID, Name of file to save the standard metadata XML, Name of file to save the extended metadata XML, protocol specification, error message

Triggers: Execute export entity Commandline interface.

Actions: Look under debug file for more information.

ATTEMPT_IMPORT_BULK_FED_DATA

ID: AMCLI-5127

Level: INFO

Description: Attempt to import bulk federation data.

Data: metaAlias for local provider, File name of bulk federation data which is generated by this command, protocol specification

Triggers: Execute import bulk federation data Commandline interface.

SUCCEEDED_IMPORT_BULK_FED_DATA

ID: AMCLI-5128

Level: INFO

Description: Importing bulk federation data succeeded.

Data: metaAlias for local provider, File name of bulk federation data which is generated by this command, protocol specification

Triggers: Execute import bulk federation data Commandline interface.

FAILED_IMPORT_BULK_FED_DATA

ID: AMCLI-5129

Level: INFO

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

Description: Failed to import bulk federation data.

Data: metaAlias for local provider, File name of bulk federation data which is generated by this command, protocol specification, error message

Triggers: Execute import bulk federation data Commandline interface.

Actions: Look under debug file for more information.

ATTEMPT_IMPORT_ENTITY

ID: AMCLI-5130

Level: INFO

Description: Attempt to import entity.

Data: Realm where entity resides, file name for the standard metadata to be imported, file name for the extended entity configuration to be imported, name of the Circle of Trust this entity belongs, protocol specification

Triggers: Execute import entity Commandline interface.

SUCCEEDED_IMPORT_ENTITY

ID: AMCLI-5131

Level: INFO

Description: Importing entity succeeded.

Data: Realm where entity resides, file name for the standard metadata to be imported, file name for the extended entity configuration to be imported, name of the Circle of Trust this entity belongs, protocol specification

Triggers: Execute import entity Commandline interface.

FAILED_IMPORT_ENTITY

ID: AMCLI-5132

Level: INFO

Description: Failed to import entity.

Data: Realm where entity resides, file name for the standard metadata to be imported, file name for the extended entity configuration to be imported, name of the Circle of Trust this entity belongs, protocol specification, error message

Triggers: Execute import entity Commandline interface.

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

Actions: Look under debug file for more information.

ATTEMPT_LIST_COT_MEMBERS

ID: AMCLI-5133

Level: INFO

Description: Attempt to list members in a circle of trust.

Data: Realm, Circle of trust, protocol specification

Triggers: Execute list members in a circle of trust Commandline interface.

SUCCEEDED_LIST_COT_MEMBERS

ID: AMCLI-5134

Level: INFO

Description: Listing members in a circle of trust succeeded.

Data: Realm, Circle of trust, protocol specification

Triggers: Execute list members in a circle of trust Commandline interface.

FAILED_LIST_COT_MEMBERS

ID: AMCLI-5135

Level: INFO

Description: Failed to list members in a circle of trust.

Data: Realm, Circle of trust, protocol specification, error message

Triggers: Execute list members in a circle of trust Commandline interface.

Actions: Look under debug file for more information.

ATTEMPT_LIST_COTS

ID: AMCLI-5136

Level: INFO

Description: Attempt to list circles of trust.

Data: realm

Triggers: Execute list circles of trust Commandline interface.

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

SUCCEEDED_LIST_COTS

ID: AMCLI-5137

Level: INFO

Description: Listing circles of trust succeeded.

Data: realm

Triggers: Execute list circles of trust Commandline interface.

FAILED_LIST_COTS

ID: AMCLI-5138

Level: INFO

Description: Failed to list circles of trust.

Data: realm, error message

Triggers: Execute list circles of trust Commandline interface.

Actions: Look under debug file for more information.

ATTEMPT_LIST_ENTITIES

ID: AMCLI-5139

Level: INFO

Description: Attempt to list entities under a realm.

Data: realm, protocol specification

Triggers: Execute list entities under a realm Commandline interface.

SUCCEEDED_LIST_ENTITIES

ID: AMCLI-5140

Level: INFO

Description: Listing entities under a realm succeeded.

Data: realm, protocol specification

Triggers: Execute list entities under a realm Commandline interface.

FAILED_LIST_ENTITIES

ID: AMCLI-5141

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

Level: INFO

Description: Failed to list entities under a realm.

Data: realm, protocol specification, error message

Triggers: Execute list entities under a realm Commandline interface.

Actions: Look under debug file for more information.

ATTEMPT_REMOVE_COT_MEMBER

ID: AMCLI-5142

Level: INFO

Description: Attempt to remove a member from a circle of trust.

Data: Realm where circle of trust resides, Circle of trust, Entity ID, protocol specification

Triggers: Execute remove a member from a circle of trust Commandline interface.

SUCCEEDED_REMOVE_COT_MEMBER

ID: AMCLI-5143

Level: INFO

Description: Removing a member from a circle of trust successful.

Data: Realm where circle of trust resides, Circle of trust, Entity ID, protocol specification

Triggers: Execute remove a member from a circle of trust Commandline interface.

FAILED_REMOVE_COT_MEMBER

ID: AMCLI-5144

Level: INFO

Description: Failed to remove a member from a circle of trust.

Data: Realm where circle of trust resides, Circle of trust, Entity ID, protocol specification, error message

Triggers: Execute remove a member from a circle of trust Commandline interface.

Actions: Look under debug file for more information.

ATTEMPT_UPDATE_ENTITY_KEYINFO

ID: AMCLI-5145

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

Level: INFO

Description: Attempt to update XML signing and encryption key information in hosted entity metadata.

Data: Realm, Entity ID, Service provider signing certificate alias, Identity provider signing certificate alias, Service provider encryption certificate alias, Identity provider encryption certificate alias, protocol specification

Triggers: Execute Commandline interface.

SUCCEEDED_UPDATE_ENTITY_KEYINFO

ID: AMCLI-5146

Level: INFO

Description: Updating XML signing and encryption key information in hosted entity metadata succeeded.

Data: Realm, Entity ID, Service provider signing certificate alias, Identity provider signing certificate alias, Service provider encryption certificate alias, Identity provider encryption certificate alias

Triggers: Execute update XML signing and encryption key information in hosted entity metadata Commandline interface.

FAILED_UPDATE_ENTITY_KEYINFO

ID: AMCLI-5147

Level: INFO

Description: Failed to update XML signing and encryption key information in hosted entity metadata.

Data: Realm, Entity ID, Service provider signing certificate alias, Identity provider signing certificate alias, Service provider encryption certificate alias, Identity provider encryption certificate alias, error message

Triggers: Execute update XML signing and encryption key information in hosted entity metadata Commandline interface.

Actions: Look under debug file for more information.

ATTEMPT_CREATE_APPLICATION

ID: AMCLI-5500

Level: INFO

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

Description: Attempt to create application.

Data: Realm, Application name

Triggers: Execute create application Commandline interface.

SUCCEEDED_CREATE_APPLICATION

ID: AMCLI-5501

Level: INFO

Description: Create application succeeded.

Data: Realm, Application name

Triggers: Execute create application Commandline interface.

FAILED_CREATE_APPLICATION

ID: AMCLI-5502

Level: INFO

Description: Failed to create application.

Data: Realm, Application name, error message

Triggers: Execute create application Commandline interface.

Actions: Look under debug file for more information.

ATTEMPT_LIST_APPLICATIONS

ID: AMCLI-5510

Level: INFO

Description: Attempt to list applications in a realm.

Data: Realm

Triggers: Execute list applications Commandline interface.

SUCCEEDED_LIST_APPLICATIONS

ID: AMCLI-5511

Level: INFO

Description: List applications in a realm succeeded.

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

Data: Realm

Triggers: Execute list applications Commandline interface.

FAILED_LIST_APPLICATIONS

ID: AMCLI-5512

Level: INFO

Description: Failed to list applications.

Data: Realm, error message

Triggers: Execute list applications Commandline interface.

Actions: Look under debug file for more information.

ATTEMPT_LIST_APPLICATION_TYPES

ID: AMCLI-5520

Level: INFO

Description: Attempt to list application types.

Triggers: Execute list application types Commandline interface.

SUCCEEDED_LIST_APPLICATION_TYPES

ID: AMCLI-5521

Level: INFO

Description: List application types succeeded.

Triggers: Execute list application types Commandline interface.

FAILED_LIST_APPLICATION_TYPES

ID: AMCLI-5522

Level: INFO

Description: Failed to list application types.

Data: error message

Triggers: Execute list application types Commandline interface.

Actions: Look under debug file for more information.

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

ATTEMPT_SHOW_APPLICATION

ID: AMCLI-5530

Level: INFO

Description: Attempt to show application attributes.

Data: Realm, Application Name

Triggers: Execute show application Commandline interface.

SUCCEEDED_SHOW_APPLICATION

ID: AMCLI-5531

Level: INFO

Description: Attributes of application is displayed succeeded.

Data: Realm, Application Name

Triggers: Execute show application Commandline interface.

FAILED_SHOW_APPLICATION

ID: AMCLI-5532

Level: INFO

Description: Failed to show application attributes.

Data: Realm, Application Name, error message

Triggers: Execute show application Commandline interface.

Actions: Look under debug file for more information.

ATTEMPT_SET_APPLICATION

ID: AMCLI-5540

Level: INFO

Description: Attempt to set application attributes.

Data: Realm, Application Name

Triggers: Execute set application attributes Commandline interface.

SUCCEEDED_SET_APPLICATION

ID: AMCLI-5541

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

Level: INFO

Description: Attributes of application is modified succeeded.

Data: Realm, Application Name

Triggers: Execute set application attributes Commandline interface.

FAILED_SET_APPLICATION

ID: AMCLI-5542

Level: INFO

Description: Failed to set application attributes.

Data: Realm, Application Name, error message

Triggers: Execute set application attributes Commandline interface.

Actions: Look under debug file for more information.

ATTEMPT_DELETE_APPLICATIONS

ID: AMCLI-5550

Level: INFO

Description: Attempt to delete applications.

Data: Realm

Triggers: Execute delete applications Commandline interface.

SUCCEEDED_DELETE_APPLICATIONS

ID: AMCLI-5551

Level: INFO

Description: Application are deleted.

Data: Realm

Triggers: Execute delete applications Commandline interface.

FAILED_DELETE_APPLICATIONS

ID: AMCLI-5552

Level: INFO

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

Description: Failed to delete applications.

Data: Realm, error message

Triggers: Execute delete applications Commandline interface.

Actions: Look under debug file for more information.

ATTEMPT_SHOW_APPLICATION_TYPE

ID: AMCLI-5553

Level: INFO

Description: Attempt to show application type details.

Data: Application Type name

Triggers: Execute show application type Commandline interface.

SUCCEEDED_SHOW_APPLICATION_TYPE

ID: AMCLI-5554

Level: INFO

Description: Show application type details succeded.

Data: Application Type name

Triggers: Execute show application type Commandline interface.

ATTEMPT_DELETE_APPLICATION_TYPES

ID: AMCLI-5555

Level: INFO

Description: Attempt to delete application types.

Data: Application Type names

Triggers: Execute delete application types Commandline interface.

SUCCEEDED_DELETE_APPLICATION_TYPES

ID: AMCLI-5556

Level: INFO

Description: Delete application types succeeded.

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

Data: Application Type names

Triggers: Execute delete application types Commandline interface.

FAILED_DELETE_APPLICATION_TYPES

ID: AMCLI-5557

Level: INFO

Description: Delete application types failed.

Data: Application Type names, error message

Triggers: Execute delete application types Commandline interface.

Actions: Look under debug file for more information.

ATTEMPT_CREATE_APPLICATION_TYPE

ID: AMCLI-5558

Level: INFO

Description: Attempt to create application type.

Data: Application Type name

Triggers: Execute create application type Commandline interface.

SUCCEEDED_CREATE_APPLICATION_TYPE

ID: AMCLI-5559

Level: INFO

Description: Create application type succeeded.

Data: Application Type name

Triggers: Execute create application type Commandline interface.

FAILED_CREATE_APPLICATION_TYPE

ID: AMCLI-5560

Level: INFO

Description: Failed to create application type.

Data: Application Type name, error message

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

Triggers: Execute create application type Commandline interface.

Actions: Look under debug file for more information.

ATTEMPT_SHOW_ENTITLEMENT_SVC

ID: AMCLI-5600

Level: INFO

Description: Attempt to show entitlement service configuration.

Triggers: Execute show entitlement service configuration Commandline interface.

SUCCEEDED_SHOW_ENTITLEMENT_SVC

ID: AMCLI-5601

Level: INFO

Description: Entitlement service configuration is displayed.

Triggers: Execute show entitlement service configuration Commandline interface.

FAILED_SHOW_ENTITLEMENT_SVC

ID: AMCLI-5602

Level: INFO

Description: Failed to display entitlement service configuration.

Data: error message

Triggers: Execute show entitlement service configuration Commandline interface.

Actions: Look under debug file for more information.

ATTEMPT_MODIFY_ENTITLEMENT_SVC

ID: AMCLI-5610

Level: INFO

Description: Attempt to modify entitlement service configuration.

Triggers: Execute set entitlement service configuration Commandline interface.

SUCCEEDED_MODIFY_ENTITLEMENT_SVC

ID: AMCLI-5611

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

Level: INFO

Description: Entitlement service configuration is modified.

Triggers: Execute set entitlement service configuration Commandline interface.

FAILED_MODIFY_ENTITLEMENT_SVC

ID: AMCLI-5612

Level: INFO

Description: Failed to modify entitlement service configuration.

Data: error message

Triggers: Execute set entitlement service configuration Commandline interface.

Actions: Look under debug file for more information.

ATTEMPT_CREATE_APPLICATION_PRIVILEGE

ID: AMCLI-6010

Level: INFO

Description: Attempt to create application privilege.

Data: realm, application privilege name

Triggers: Execute create application privilege Commandline interface.

SUCCEEDED_CREATE_APPLICATION_PRIVILEGE

ID: AMCLI-6011

Level: INFO

Description: Application privilege is created.

Data: realm, application privilege name

Triggers: Execute create application privilege Commandline interface.

FAILED_CREATE_APPLICATION_PRIVILEGE

ID: AMCLI-6012

Level: INFO

Description: Failed to create application privilege.

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

Data: realm, application privilege name, error message

Triggers: Execute create application privilege Commandline interface.

Actions: Look under debug file for more information.

ATTEMPT_DELETE_APPLICATION_PRIVILEGE

ID: AMCLI-6020

Level: INFO

Description: Attempt to delete application privilege.

Data: realm, application privilege name

Triggers: Execute delete application privilege Commandline interface.

SUCCEEDED_DELETE_APPLICATION_PRIVILEGE

ID: AMCLI-6021

Level: INFO

Description: Application privilege is deleted.

Data: realm, application privilege name

Triggers: Execute delete application privilege Commandline interface.

FAILED_DELETE_APPLICATION_PRIVILEGE

ID: AMCLI-6022

Level: INFO

Description: Failed to delete application privilege.

Data: realm, application privilege name, error message

Triggers: Execute delete application privilege Commandline interface.

Actions: Look under debug file for more information.

ATTEMPT_SHOW_APPLICATION_PRIVILEGE

ID: AMCLI-6020

Level: INFO

Description: Attempt to show application privilege.

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

Data: realm, application privilege name

Triggers: Execute show application privilege Commandline interface.

SUCCEEDED_SHOW_APPLICATION_PRIVILEGE

ID: AMCLI-6021

Level: INFO

Description: Application privilege is displayed.

Data: realm, application privilege name

Triggers: Execute show application privilege Commandline interface.

FAILED_SHOW_APPLICATION_PRIVILEGE

ID: AMCLI-6022

Level: INFO

Description: Failed to show application privilege.

Data: realm, application privilege name, error message

Triggers: Execute show application privilege Commandline interface.

Actions: Look under debug file for more information.

ATTEMPT_LIST_APPLICATION_PRIVILEGES

ID: AMCLI-6030

Level: INFO

Description: Attempt to list application privileges in a realm.

Data: realm

Triggers: Execute list application privileges Commandline interface.

SUCCEEDED_LIST_APPLICATION_PRIVILEGES

ID: AMCLI-6031

Level: INFO

Description: Application privileges are displayed.

Data: realm

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

Triggers: Execute list application privileges Commandline interface.

FAILED_LIST_APPLICATION_PRIVILEGES

ID: AMCLI-6032

Level: INFO

Description: Failed to list application privileges.

Data: realm, error message

Triggers: Execute list application privileges Commandline interface.

Actions: Look under debug file for more information.

ATTEMPT_UPDATE_APPLICATION_PRIVILEGE

ID: AMCLI-6040

Level: INFO

Description: Attempt to update application privilege.

Data: realm, application privilege name

Triggers: Execute update application privilege Commandline interface.

SUCCEEDED_UPDATE_APPLICATION_PRIVILEGE

ID: AMCLI-6041

Level: INFO

Description: Application privilege is updated.

Data: realm, application privilege name

Triggers: Execute update application privilege Commandline interface.

FAILED_UPDATE_APPLICATION_PRIVILEGE

ID: AMCLI-6042

Level: INFO

Description: Failed to update application privilege.

Data: realm, application privilege name, error message

Triggers: Execute update application privileges Commandline interface.

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

Actions: Look under debug file for more information.

ATTEMPT_ADD_PLUGIN_SCHEMA

ID: AMCLI-6043

Level: INFO

Description: Attempt to add Plug-in schema.

Data: name of service, name of interface, name of plugin, name of i18n key, name of i18n name, name of class

Triggers: Execute add Plug-in schema Commandline interface.

SUCCEED_ADD_PLUGIN_SCHEMA

ID: AMCLI-6044

Level: INFO

Description: Added Plug-in schema.

Data: name of service, name of plugin

Triggers: Execute add Plug-in schema Commandline interface.

FAILED_ADD_PLUGIN_SCHEMA

ID: AMCLI-6045

Level: INFO

Description: Failed to add Plug-in schema.

Data: name of service, name of plugin, error message

Triggers: Execute add Plug-in schema Commandline interface.

Actions: Look under debug file for more information.

ATTEMPT_REMOVE_PLUGIN_SCHEMA

ID: AMCLI-6046

Level: INFO

Description: Attempt to remove Plug-in schema.

Data: name of service, name of interface, name of plugin, name of i18n key, name of i18n name, name of class

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

Triggers: Execute remove Plug-in schema Commandline interface.

SUCCEED_REMOVE_PLUGIN_SCHEMA

ID: AMCLI-6047

Level: INFO

Description: Removed Plug-in schema.

Data: name of service, name of plugin

Triggers: Execute remove Plug-in schema Commandline interface.

FAILED_REMOVE_PLUGIN_SCHEMA

ID: AMCLI-6048

Level: INFO

Description: Failed to remove Plug-in schema.

Data: name of service, name of plugin, error message

Triggers: Execute remove Plug-in schema Commandline interface.

Actions: Look under debug file for more information.

SUCCEED_SET_SITE_ID

ID: AMCLI-6049

Level: INFO

Description: Site ID is set.

Data: name of site, id of site

Triggers: Execute set site ID Commandline interface.

FAILED_SET_SITE_ID

ID: AMCLI-6050

Level: INFO

Description: Unable to set site ID.

Data: name of site, site ID, error message

Triggers: Execute set site ID Commandline interface.

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

Actions: Look under debug file for more information.

FAILED_START_RECORD

ID: AMCLI-6051

Level: INFO

Description: Unable to start the record.

Data: Server name, Json record, error message

Triggers: Execute start record Commandline interface.

Actions: Look under debug file for more information.

FAILED_STATUS_RECORD

ID: AMCLI-6052

Level: INFO

Description: Unable to get the status of the recording

Data: Server name, error message

Triggers: Execute status record Commandline interface.

Actions: Look under debug file for more information.

FAILED_STOP_RECORD

ID: AMCLI-6054

Level: INFO

Description: Recording can't be stopped

Data: Server name, error message

Triggers: Execute stop record Commandline interface.

Actions: Look under debug file for more information.

SUCCESS_START_RECORD

ID: AMCLI-6055

Level: INFO

Description: Start recording

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

Data: Server name, Json record, Json result

Triggers: Execute start record Commandline interface.

Actions: Look under debug file for more information.

SUCCESS_STATUS_RECORD

ID: AMCLI-6056

Level: INFO

Description: Get the status of the record with success

Data: Server name, Json result

Triggers: Execute status record Commandline interface.

Actions: Look under debug file for more information.

SUCCESS_STOP_RECORD

ID: AMCLI-6057

Level: INFO

Description: Stop recording

Data: Server name, Json result

Triggers: Execute stop record Commandline interface.

Actions: Look under debug file for more information.

ATTEMPT_STOP_RECORD

ID: AMCLI-6058

Level: INFO

Description: Attempt to stop recording.

Data: Server name

Triggers: Stop recording OpenAM.

ATTEMPT_STATUS_RECORD

ID: AMCLI-6059

Level: INFO

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

Description: Attempt to get the status of the recording.

Data: Server name

Triggers: Get the status of the current record.

ATTEMPT_START_RECORD

ID: AMCLI-6060

Level: INFO

Description: Attempt to start recording.

Data: Server name, Json record, Json result

Triggers: Start record.

RESOURCE_READ_FAILED

ID: AMCLI-6100

Level: INFO

Description: Failed to read resource.

Data: Resource Id, Resource type, Http code

Triggers: Attempting to read resource to determine whether to create or update.

RESOURCE_UPDATE_SUCCESS

ID: AMCLI-6101

Level: INFO

Description: Successfully updated resource.

Data: Resource Id, Resource type

Triggers: Attempting to update an existing resource.

RESOURCE_UPDATE_FAILED

ID: AMCLI-6102

Level: INFO

Description: Failed to update resource.

Data: Resource Id, Resource type, Http code

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

Triggers: Attempting to update an existing resource.

RESOURCE_CREATE_SUCCESS

ID: AMCLI-6103

Level: INFO

Description: Successfully created resource.

Data: Resource Id, Resource type

Triggers: Attempting to create a new resource.

RESOURCE_CREATE_FAILED

ID: AMCLI-6104

Level: INFO

Description: Failed to create resource.

Data: Resource Id, Resource type, Http code

Triggers: Attempting to create a new resource.

POLICY_EXPORT_SUCCESS

ID: AMCLI-6105

Level: INFO

Description: Successfully exported policy model resources.

Data: Realm, Exported File

Triggers: Executes export resource Commandline interface.

OpenAM logs the following CONSOLE messages.

ATTEMPT_IDENTITY_CREATION

ID: CONSOLE-1

Level: INFO

Description: Attempt to create Identity

Data: identity name, identity type, realm name

Triggers: Click on create button in Realm Creation Page.

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

IDENTITY_CREATED

ID: CONSOLE-2

Level: INFO

Description: Creation of Identity succeeded.

Data: identity name, identity type, realm name

Triggers: Click on create button in Realm Creation Page.

SSO_EXCEPTION_IDENTITY_CREATION

ID: CONSOLE-3

Level: SEVERE

Description: Creation of Identity failed

Data: identity name, identity type, realm name, error message

Triggers: Unable to create an identity under a realm. It may be the single sign on token of the user has expired; or the user does not have permission to perform this operation.

Actions: Look under data store log for more information.

IDM_EXCEPTION_IDENTITY_CREATION

ID: CONSOLE-4

Level: SEVERE

Description: Creation of Identity failed

Data: identity name, identity type, realm name, error message

Triggers: Unable to create an identity under a realm due to data store error.

Actions: Look under data store log for more information.

ATTEMPT_SEARCH_IDENTITY

ID: CONSOLE-11

Level: INFO

Description: Attempt to search for Identities

Data: base realm, identity type, search pattern, search size limit, search time limit

Triggers: Click on Search button in identity search view.

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

SUCCEED_SEARCH_IDENTITY

ID: CONSOLE-12

Level: INFO

Description: Searching for Identities succeeded

Data: base realm, identity type, search pattern, search size limit, search time limit

Triggers: Click on Search button in identity search view.

SSO_EXCEPTION_SEARCH_IDENTITY

ID: CONSOLE-13

Level: SEVERE

Description: Searching for identities failed

Data: identity name, identity type, realm name, error message

Triggers: Unable to perform search operation on identities under a realm. It may be the single sign on token of the user has expired; or the user does not have permission to perform this operation.

Actions: Look under data store log for more information.

IDM_EXCEPTION_SEARCH_IDENTITY

ID: CONSOLE-14

Level: SEVERE

Description: Searching for identities failed

Data: identity name, identity type, realm name, error message

Triggers: Unable to perform search operation on identities under a realm due to data store error.

Actions: Look under data store log for more information.

ATTEMPT_READ_IDENTITY_ATTRIBUTE_VALUE

ID: CONSOLE-21

Level: INFO

Description: Attempt to read attribute values of an identity

Data: identity name, name of attributes

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

Triggers: View identity profile view.

SUCCEED_READ_IDENTITY_ATTRIBUTE_VALUE

ID: CONSOLE-22

Level: INFO

Description: Reading of attribute values of an identity succeeded

Data: identity name, name of attributes

Triggers: View identity profile view.

SSO_EXCEPTION_READ_IDENTITY_ATTRIBUTE_VALUE

ID: CONSOLE-23

Level: SEVERE

Description: Reading of attribute values of an identity failed

Data: identity name, name of attributes, error message

Triggers: Unable to read attribute values of an identity. It may be the single sign on token of the user has expired; or the user does not have permission to perform this operation.

Actions: Look under data store log for more information.

IDM_EXCEPTION_READ_IDENTITY_ATTRIBUTE_VALUE

ID: CONSOLE-24

Level: SEVERE

Description: Reading of attribute values of an identity failed

Data: identity name, name of attributes, error message

Triggers: Unable to read attribute values of an identity due to data store error.

Actions: Look under data store log for more information.

SMS_EXCEPTION_READ_IDENTITY_ATTRIBUTE_VALUE

ID: CONSOLE-25

Level: SEVERE

Description: Reading of attribute values of an identity failed

Data: identity name, name of attributes, error message

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

Triggers: Unable to read attribute values of an identity due to exception service manager API.

Actions: Look under service manage log for more information.

ATTEMPT_MODIFY_IDENTITY_ATTRIBUTE_VALUE

ID: CONSOLE-31

Level: INFO

Description: Attempt to modify attribute values of an identity

Data: identity name, name of attributes

Triggers: Click on Save button in identity profile view.

SUCCEED_MODIFY_IDENTITY_ATTRIBUTE_VALUE

ID: CONSOLE-32

Level: INFO

Description: Modification of attribute values of an identity succeeded

Data: identity name, name of attributes

Triggers: Click on Save button in identity profile view.

SSO_EXCEPTION_MODIFY_IDENTITY_ATTRIBUTE_VALUE

ID: CONSOLE-33

Level: SEVERE

Description: Modification of attribute values of an identity failed

Data: identity name, name of attributes, error message

Triggers: Unable to modify attribute values of an identity. It may be the single sign on token of the user has expired; or the user does not have permission to perform this operation.

Actions: Look under data store log for more information.

IDM_EXCEPTION_MODIFY_IDENTITY_ATTRIBUTE_VALUE

ID: CONSOLE-34

Level: SEVERE

Description: Modification of attribute values of an identity failed

Data: identity name, name of attributes, error message

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

Triggers: Unable to modify attribute values of an identity due to data store error.

Actions: Look under data store log for more information.

ATTEMPT_DELETE_IDENTITY

ID: CONSOLE-41

Level: INFO

Description: Attempt to delete identities

Data: realm name, name of identities to be deleted

Triggers: Click on Delete button in identity search view.

SUCCEED_DELETE_IDENTITY

ID: CONSOLE-42

Level: INFO

Description: Deletion of identities succeeded

Data: realm name, name of identities to be deleted

Triggers: Click on Delete button in identity search view.

SSO_EXCEPTION_DELETE_IDENTITY

ID: CONSOLE-43

Level: SEVERE

Description: Deletion of identities failed

Data: realm name, name of identities to be deleted, error message

Triggers: Unable to delete identities. It may be the single sign on token of the user has expired; or the user does not have permission to perform this operation.

Actions: Look under data store log for more information.

IDM_EXCEPTION_DELETE_IDENTITY

ID: CONSOLE-44

Level: SEVERE

Description: Deletion of identities failed

Data: realm name, name of identities to be deleted, error message

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

Triggers: Unable to delete identities due to data store error.

Actions: Look under data store log for more information.

ATTEMPT_READ_IDENTITY_MEMBERSHIP

ID: CONSOLE-51

Level: INFO

Description: Attempt to read identity's memberships information

Data: name of identity, membership identity type

Triggers: View membership page of an identity.

SUCCEED_READ_IDENTITY_MEMBERSHIP

ID: CONSOLE-52

Level: INFO

Description: Reading of identity's memberships information succeeded

Data: name of identity, membership identity type

Triggers: View membership page of an identity.

SSO_EXCEPTION_READ_IDENTITY_MEMBERSHIP

ID: CONSOLE-53

Level: SEVERE

Description: Reading of identity's memberships information failed.

Data: name of identity, membership identity type, error message

Triggers: Unable to read identity's memberships information. It may be the single sign on token of the user has expired; or the user does not have permission to perform this operation.

Actions: Look under data store log for more information.

IDM_EXCEPTION_READ_IDENTITY_MEMBERSHIP

ID: CONSOLE-54

Level: SEVERE

Description: Reading of identity's memberships information failed.

Data: name of identity, membership identity type, error message

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

Triggers: Unable to read identity's memberships information due to data store error.

Actions: Look under data store log for more information.

ATTEMPT_READ_IDENTITY_MEMBER

ID: CONSOLE-61

Level: INFO

Description: Attempt to read identity's members information

Data: name of identity, members identity type

Triggers: View members page of an identity.

SUCCEED_READ_IDENTITY_MEMBER

ID: CONSOLE-62

Level: INFO

Description: Reading of identity's members information succeeded

Data: name of identity, members identity type

Triggers: View members page of an identity.

SSO_EXCEPTION_READ_IDENTITY_MEMBER

ID: CONSOLE-63

Level: SEVERE

Description: Reading of identity's members information failed.

Data: name of identity, member identity type, error message

Triggers: Unable to read identity's members information. It may be the single sign on token of the user has expired; or the user does not have permission to perform this operation.

Actions: Look under data store log for more information.

IDM_EXCEPTION_READ_IDENTITY_MEMBER

ID: CONSOLE-64

Level: SEVERE

Description: Reading of identity's members information failed.

Data: name of identity, member identity type, error message

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

Triggers: Unable to read identity's members information due to data store error.

Actions: Look under data store log for more information.

ATTEMPT_ADD_IDENTITY_MEMBER

ID: CONSOLE-71

Level: INFO

Description: Attempt to add member to an identity

Data: name of identity, name of identity to be added.

Triggers: Select members to be added to an identity.

SUCCEED_ADD_IDENTITY_MEMBER

ID: CONSOLE-72

Level: INFO

Description: Addition of member to an identity succeeded

Data: name of identity, name of identity added.

Triggers: Select members to be added to an identity.

SSO_EXCEPTION_ADD_IDENTITY_MEMBER

ID: CONSOLE-73

Level: SEVERE

Description: Addition of member to an identity failed.

Data: name of identity, name of identity to be added., error message

Triggers: Unable to add member to an identity. It may be the single sign on token of the user has expired; or the user does not have permission to perform this operation.

Actions: Look under data store log for more information.

IDM_EXCEPTION_ADD_IDENTITY_MEMBER

ID: CONSOLE-74

Level: SEVERE

Description: Addition of member to an identity failed.

Data: name of identity, name of identity to be added., error message

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

Triggers: Unable to add member to an identity due to data store error.

Actions: Look under data store log for more information.

ATTEMPT_REMOVE_IDENTITY_MEMBER

ID: CONSOLE-81

Level: INFO

Description: Attempt to remove member from an identity

Data: name of identity, name of identity to be removed.

Triggers: Select members to be removed from an identity.

SUCCEED_REMOVE_IDENTITY_MEMBER

ID: CONSOLE-82

Level: INFO

Description: Removal of member from an identity succeeded

Data: name of identity, name of identity removed.

Triggers: Select members to be removed from an identity.

SSO_EXCEPTION_REMOVE_IDENTITY_MEMBER

ID: CONSOLE-83

Level: SEVERE

Description: Removal of member to an identity failed.

Data: name of identity, name of identity to be removed., error message

Triggers: Unable to remove member from an identity. It may be the single sign on token of the user has expired; or the user does not have permission to perform this operation.

Actions: Look under data store log for more information.

IDM_EXCEPTION_REMOVE_IDENTITY_MEMBER

ID: CONSOLE-84

Level: SEVERE

Description: Removal of member from an identity failed.

Data: name of identity, name of identity to be removed., error message

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

Triggers: Unable to remove member to an identity due to data store error.

Actions: Look under data store log for more information.

ATTEMPT_READ_IDENTITY_ASSIGNED_SERVICE

ID: CONSOLE-91

Level: INFO

Description: Attempt to read assigned service names of an identity

Data: name of identity

Triggers: Click on Add button in service assignment view of an identity.

SUCCEED_READ_IDENTITY_ASSIGNED_SERVICE

ID: CONSOLE-92

Level: INFO

Description: Reading assigned service names of an identity succeeded

Data: name of identity

Triggers: Click on Add button in service assignment view of an identity.

SSO_EXCEPTION_READ_IDENTITY_ASSIGNED_SERVICE

ID: CONSOLE-93

Level: SEVERE

Description: Reading assigned service names of an identity failed.

Data: name of identity, error message

Triggers: Unable to read assigned service names of an identity. It may be the single sign on token of the user has expired; or the user does not have permission to perform this operation.

Actions: Look under data store log for more information.

IDM_EXCEPTION_READ_IDENTITY_ASSIGNED_SERVICE

ID: CONSOLE-94

Level: SEVERE

Description: Reading assigned service names of an identity failed.

Data: name of identity, error message

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

Triggers: Unable to read assigned service names of an identity due to data store error.

Actions: Look under data store log for more information.

ATTEMPT_READ_IDENTITY_ASSIGNABLE_SERVICE

ID: CONSOLE-101

Level: INFO

Description: Attempt to read assignable service names of an identity

Data: name of identity

Triggers: View the services page of an identity.

SUCCEED_READ_IDENTITY_ASSIGNABLE_SERVICE

ID: CONSOLE-102

Level: INFO

Description: Reading assignable service names of an identity succeeded

Data: name of identity

Triggers: View the services page of an identity.

SSO_EXCEPTION_READ_IDENTITY_ASSIGNABLE_SERVICE

ID: CONSOLE-103

Level: SEVERE

Description: Reading assignable service names of an identity failed.

Data: name of identity, error message

Triggers: Unable to read assignable service names of an identity. It may be the single sign on token of the user has expired; or the user does not have permission to perform this operation.

Actions: Look under data store log for more information.

IDM_EXCEPTION_READ_IDENTITY_ASSIGNABLE_SERVICE

ID: CONSOLE-104

Level: SEVERE

Description: Reading assignable service names of an identity failed.

Data: name of identity, error message

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

Triggers: Unable to read assignable service names of an identity due to data store error.

Actions: Look under data store log for more information.

ATTEMPT_IDENTITY_ASSIGN_SERVICE

ID: CONSOLE-111

Level: INFO

Description: Attempt to assign a service to an identity

Data: name of identity, name of service

Triggers: Click Add button of service view of an identity.

SUCCEED_IDENTITY_ASSIGN_SERVICE

ID: CONSOLE-112

Level: INFO

Description: Assignment of service to an identity succeeded

Data: name of identity, name of service

Triggers: Click Add button of service view of an identity.

SSO_EXCEPTION_IDENTITY_ASSIGN_SERVICE

ID: CONSOLE-113

Level: SEVERE

Description: Assignment of service to an identity failed.

Data: name of identity, name of service, error message

Triggers: Unable to assign service to an identity. It may be the single sign on token of the user has expired; or the user does not have permission to perform this operation.

Actions: Look under data store log for more information.

IDM_EXCEPTION_IDENTITY_ASSIGN_SERVICE

ID: CONSOLE-114

Level: SEVERE

Description: Assignment of service to an identity failed.

Data: name of identity, name of service, error message

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

Triggers: Unable to assign service to an identity due to data store error.

Actions: Look under data store log for more information.

ATTEMPT_IDENTITY_UNASSIGN_SERVICE

ID: CONSOLE-121

Level: INFO

Description: Attempt to unassign a service from an identity

Data: name of identity, name of service

Triggers: Click Remove button in service view of an identity.

SUCCEED_IDENTITY_UNASSIGN_SERVICE

ID: CONSOLE-122

Level: INFO

Description: Unassignment of service to an identity succeeded

Data: name of identity, name of service

Triggers: Click Remove button in service view of an identity.

SSO_EXCEPTION_IDENTITY_UNASSIGN_SERVICE

ID: CONSOLE-123

Level: SEVERE

Description: Unassignment of service from an identity failed.

Data: name of identity, name of service, error message

Triggers: Unable to unassign service from an identity. It may be the single sign on token of the user has expired; or the user does not have permission to perform this operation.

Actions: Look under data store log for more information.

IDM_EXCEPTION_IDENTITY_UNASSIGN_SERVICE

ID: CONSOLE-124

Level: SEVERE

Description: Unassignment of service from an identity failed.

Data: name of identity, name of service, error message

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

Triggers: Unable to unassign service from an identity due to data store error.

Actions: Look under data store log for more information.

ATTEMPT_IDENTITY_READ_SERVICE_ATTRIBUTE_VALUES

ID: CONSOLE-131

Level: INFO

Description: Attempt to read service attribute values of an identity

Data: name of identity, name of service

Triggers: View service profile view of an identity.

SUCCEED_IDENTITY_READ_SERVICE_ATTRIBUTE_VALUES

ID: CONSOLE-132

Level: INFO

Description: Reading of service attribute values of an identity succeeded

Data: name of identity, name of service

Triggers: View service profile view of an identity.

SSO_EXCEPTION_IDENTITY_READ_SERVICE_ATTRIBUTE_VALUES

ID: CONSOLE-133

Level: SEVERE

Description: Reading of service attribute values of an identity failed.

Data: name of identity, name of service, error message

Triggers: Unable to read service attribute values of an identity. It may be the single sign on token of the user has expired; or the user does not have permission to perform this operation

Actions: Look under data store log for more information.

IDM_EXCEPTION_IDENTITY_READ_SERVICE_ATTRIBUTE_VALUES

ID: CONSOLE-134

Level: SEVERE

Description: Reading of service attribute values of an identity failed.

Data: name of identity, name of service, error message

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

Triggers: Unable to read service attribute values of an identity due to data store error.

Actions: Look under data store log for more information.

ATTEMPT_IDENTITY_WRITE_SERVICE_ATTRIBUTE_VALUES

ID: CONSOLE-141

Level: INFO

Description: Attempt to write service attribute values to an identity

Data: name of identity, name of service

Triggers: Click on Save button in service profile view of an identity.

SUCCEED_IDENTITY_WRITE_SERVICE_ATTRIBUTE_VALUES

ID: CONSOLE-142

Level: INFO

Description: Writing of service attribute values to an identity succeeded

Data: name of identity, name of service

Triggers: Click on Save button in service profile view of an identity.

SSO_EXCEPTION_IDENTITY_WRITE_SERVICE_ATTRIBUTE_VALUES

ID: CONSOLE-143

Level: SEVERE

Description: Writing of service attribute values to an identity failed.

Data: name of identity, name of service, error message

Triggers: Unable to write service attribute values to an identity. It may be the single sign on token of the user has expired; or the user does not have permission to perform this operation.

Actions: Look under data store log for more information.

IDM_EXCEPTION_IDENTITY_WRITE_SERVICE_ATTRIBUTE_VALUES

ID: CONSOLE-144

Level: SEVERE

Description: Writing of service attribute values to an identity failed.

Data: name of identity, name of service, error message

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

Triggers: Unable to write service attribute values to an identity due to data store error.

Actions: Look under data store log for more information.

ATTEMPT_READ_ALL_GLOBAL_DEFAULT_ATTRIBUTE_VALUES

ID: CONSOLE-201

Level: INFO

Description: Attempt to read all global service default attribute values

Data: name of service

Triggers: View global configuration view of a service.

SUCCEED_READ_ALL_GLOBAL_DEFAULT_ATTRIBUTE_VALUES

ID: CONSOLE-202

Level: INFO

Description: Reading of all global service default attribute values succeeded

Data: name of service

Triggers: View global configuration view of a service.

ATTEMPT_READ_GLOBAL_DEFAULT_ATTRIBUTE_VALUES

ID: CONSOLE-203

Level: INFO

Description: Attempt to read global service default attribute values

Data: name of service, name of attribute

Triggers: View global configuration view of a service.

SUCCEED_READ_GLOBAL_DEFAULT_ATTRIBUTE_VALUES

ID: CONSOLE-204

Level: INFO

Description: Reading of global service default attribute values succeeded

Data: name of service, name of attribute

Triggers: View global configuration view of a service.

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

FAILED_READ_GLOBAL_DEFAULT_ATTRIBUTE_VALUES

ID: CONSOLE-205

Level: INFO

Description: Reading of global service default attribute values failed

Data: name of service, name of attribute

Triggers: View global configuration view of a service.

Actions: Look under service management log for more information.

ATTEMPT_WRITE_GLOBAL_DEFAULT_ATTRIBUTE_VALUES

ID: CONSOLE-211

Level: INFO

Description: Attempt to write global service default attribute values

Data: name of service, name of attribute

Triggers: Click on Save button in global configuration view of a service.

SUCCEED_WRITE_GLOBAL_DEFAULT_ATTRIBUTE_VALUES

ID: CONSOLE-212

Level: INFO

Description: Writing of global service default attribute values succeeded

Data: name of service, name of attribute

Triggers: Click on Save button in global configuration view of a service.

SSO_EXCEPTION_WRITE_GLOBAL_DEFAULT_ATTRIBUTE_VALUES

ID: CONSOLE-213

Level: SEVERE

Description: Writing of global service default attribute values failed.

Data: name of service, name of attribute, error message

Triggers: Unable to write global service default attribute values. It may be the single sign on token of the user has expired; or the user does not have permission to perform this operation.

Actions: Look under service management log for more information.

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

SMS_EXCEPTION_WRITE_GLOBAL_DEFAULT_ATTRIBUTE_VALUES

ID: CONSOLE-214

Level: SEVERE

Description: Writing of global service default attribute values failed.

Data: name of service, name of attribute, error message

Triggers: Unable to write service default attribute values due to service management error.

Actions: Look under service management log for more information.

ATTEMPT_READ_GLOBAL_SUB_CONFIGURATION_NAMES

ID: CONSOLE-221

Level: INFO

Description: Attempt to get sub configuration names

Data: name of service, name of base global sub configuration

Triggers: View a global service view of which its service has sub schema.

SUCCEED_READ_GLOBAL_SUB_CONFIGURATION_NAMES

ID: CONSOLE-222

Level: INFO

Description: Reading of global sub configuration names succeeded

Data: name of service, name of base global sub configuration

Triggers: View a global service view of which its service has sub schema.

SSO_EXCEPTION_READ_GLOBAL_SUB_CONFIGURATION_NAMES

ID: CONSOLE-223

Level: SEVERE

Description: Reading of global sub configuration names failed.

Data: name of service, name of base global sub configuration, error message

Triggers: Unable to get global sub configuration names. It may be the single sign on token of the user has expired; or the user does not have permission to perform this operation.

Actions: Look under service management log for more information.

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

SMS_EXCEPTION_READ_GLOBAL_SUB_CONFIGURATION_NAMES

ID: CONSOLE-224

Level: SEVERE

Description: Reading of global sub configuration names failed.

Data: name of service, name of base global sub configuration, error message

Triggers: Unable to get global sub configuration names due to service management error.

Actions: Look under service management log for more information.

ATTEMPT_DELETE_GLOBAL_SUB_CONFIGURATION

ID: CONSOLE-231

Level: INFO

Description: Attempt to delete sub configuration

Data: name of service, name of base global sub configuration, name of sub configuration to be deleted

Triggers: Click on delete selected button in global service profile view.

SUCCEED_DELETE_GLOBAL_SUB_CONFIGURATION

ID: CONSOLE-232

Level: INFO

Description: Deletion of sub configuration succeeded

Data: name of service, name of base global sub configuration, name of sub configuration to be deleted

Triggers: Click on delete selected button in global service profile view.

SSO_EXCEPTION_DELETE_GLOBAL_SUB_CONFIGURATION

ID: CONSOLE-233

Level: SEVERE

Description: Deletion of sub configuration failed.

Data: name of service, name of base global sub configuration, name of sub configuration to be deleted, error message

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

Triggers: Unable to delete sub configuration. It may be the single sign on token of the user has expired; or the user does not have permission to perform this operation.

Actions: Look under service management log for more information.

SMS_EXCEPTION_DELETE_GLOBAL_SUB_CONFIGURATION

ID: CONSOLE-234

Level: SEVERE

Description: Deletion of sub configuration failed.

Data: name of service, name of base global sub configuration, name of sub configuration to be deleted, error message

Triggers: Unable to delete sub configuration due to service management error.

Actions: Look under service management log for more information.

ATTEMPT_CREATE_GLOBAL_SUB_CONFIGURATION

ID: CONSOLE-241

Level: INFO

Description: Attempt to create sub configuration

Data: name of service, name of base global sub configuration, name of sub configuration to be created, name of sub schema to be created

Triggers: Click on add button in create sub configuration view.

SUCCEED_CREATE_GLOBAL_SUB_CONFIGURATION

ID: CONSOLE-242

Level: INFO

Description: Creation of sub configuration succeeded

Data: name of service, name of base global sub configuration, name of sub configuration to be created, name of sub schema to be created

Triggers: Click on add button in create sub configuration view.

SSO_EXCEPTION_CREATE_GLOBAL_SUB_CONFIGURATION

ID: CONSOLE-243

Level: SEVERE

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

Description: Creation of sub configuration failed.

Data: name of service, name of base global sub configuration, name of sub configuration to be created, name of sub schema to be created, error message

Triggers: Unable to create sub configuration. It may be the single sign on token of the user has expired; or the user does not have permission to perform this operation.

Actions: Look under service management log for more information.

SMS_EXCEPTION_CREATE_GLOBAL_SUB_CONFIGURATION

ID: CONSOLE-244

Level: SEVERE

Description: Creation of sub configuration failed.

Data: name of service, name of base global sub configuration, name of sub configuration to be created, name of sub schema to be created, error message

Triggers: Unable to create sub configuration due to service management error.

Actions: Look under service management log for more information.

SUCCEED_READ_GLOBAL_SUB_CONFIGURATION_ATTRIBUTE_VALUES

ID: CONSOLE-251

Level: INFO

Description: Reading of sub configuration's attribute values succeeded

Data: name of service, name of sub configuration

Triggers: View sub configuration profile view.

ATTEMPT_WRITE_GLOBAL_SUB_CONFIGURATION_ATTRIBUTE_VALUES

ID: CONSOLE-261

Level: INFO

Description: Attempt to write sub configuration's attribute values

Data: name of service, name of sub configuration

Triggers: Click on save button in sub configuration profile view.

SUCCEED_WRITE_GLOBAL_SUB_CONFIGURATION_ATTRIBUTE_VALUES

ID: CONSOLE-262

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

Level: INFO

Description: Writing of sub configuration's attribute values succeeded

Data: name of service, name of sub configuration

Triggers: Click on save button in sub configuration profile view.

SSO_EXCEPTION_WRITE_GLOBAL_SUB_CONFIGURATION_ATTRIBUTE_VALUES

ID: CONSOLE-263

Level: SEVERE

Description: Writing of sub configuration's attribute value failed.

Data: name of service, name of sub configuration, error message

Triggers: Unable to write sub configuration's attribute values. It may be the single sign on token of the user has expired; or the user does not have permission to perform this operation.

Actions: Look under service management log for more information.

SMS_EXCEPTION_WRITE_GLOBAL_SUB_CONFIGURATION_ATTRIBUTE_VALUES_NAMES

ID: CONSOLE-264

Level: SEVERE

Description: Writing of sub configuration's attribute value failed.

Data: name of service, name of sub configuration, error message

Triggers: Unable to write sub configuration's attribute value due to service management error.

Actions: Look under service management log for more information.

ATTEMPT_GET_POLICY_NAMES

ID: CONSOLE-301

Level: INFO

Description: Attempt to get policy names under a realm.

Data: name of realm

Triggers: View policy main page.

SUCCEED_GET_POLICY_NAMES

ID: CONSOLE-302

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

Level: INFO

Description: Getting policy names under a realm succeeded

Data: name of realm

Triggers: View policy main page.

SSO_EXCEPTION_GET_POLICY_NAMES

ID: CONSOLE-303

Level: SEVERE

Description: Getting policy names under a realm failed.

Data: name of realm, error message

Triggers: Unable to get policy names under a realm. It may be the single sign on token of the user has expired; or the user does not have permission to perform this operation.

Actions: Look under policy log for more information.

POLICY_EXCEPTION_GET_POLICY_NAMES

ID: CONSOLE-304

Level: SEVERE

Description: Getting policy names under a realm failed.

Data: name of realm, error message

Triggers: Unable to get policy names under a realm due to policy SDK related errors.

Actions: Look under policy log for more information.

ATTEMPT_CREATE_POLICY

ID: CONSOLE-311

Level: INFO

Description: Attempt to create policy under a realm.

Data: name of realm, name of policy

Triggers: Click on New button in policy creation page.

SUCCEED_CREATE_POLICY

ID: CONSOLE-312

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

Level: INFO

Description: Creation of policy succeeded

Data: name of realm, name of policy

Triggers: Click on New button in policy creation page.

SSO_EXCEPTION_CREATE_POLICY

ID: CONSOLE-313

Level: SEVERE

Description: Creation of policy failed.

Data: name of realm, name of policy, error message

Triggers: Unable to create policy under a realm. It may be the single sign on token of the user has expired; or the user does not have permission to perform this operation.

Actions: Look under policy log for more information.

POLICY_EXCEPTION_CREATE_POLICY

ID: CONSOLE-314

Level: SEVERE

Description: Creation of policy failed.

Data: name of realm, name of policy, error message

Triggers: Unable to create policy under a realm due to policy SDK related errors.

Actions: Look under policy log for more information.

ATTEMPT_MODIFY_POLICY

ID: CONSOLE-321

Level: INFO

Description: Attempt to modify policy.

Data: name of realm, name of policy

Triggers: Click on Save button in policy profile page.

SUCCEED_MODIFY_POLICY

ID: CONSOLE-322

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

Level: INFO

Description: Modification of policy succeeded

Data: name of realm, name of policy

Triggers: Click on Save button in policy profile page.

SSO_EXCEPTION_MODIFY_POLICY

ID: CONSOLE-323

Level: SEVERE

Description: Modification of policy failed.

Data: name of realm, name of policy, error message

Triggers: Unable to modify policy under a realm. It may be the single sign on token of the user has expired; or the user does not have permission to perform this operation.

Actions: Look under policy log for more information.

POLICY_EXCEPTION_MODIFY_POLICY

ID: CONSOLE-324

Level: SEVERE

Description: Modification of policy failed.

Data: name of realm, name of policy, error message

Triggers: Unable to modify policy due to policy SDK related errors.

Actions: Look under policy log for more information.

ATTEMPT_DELETE_POLICY

ID: CONSOLE-331

Level: INFO

Description: Attempt to delete policy.

Data: name of realm, names of policies

Triggers: Click on Delete button in policy main page.

SUCCEED_DELETE_POLICY

ID: CONSOLE-332

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

Level: INFO

Description: Deletion of policy succeeded

Data: name of realm, name of policies

Triggers: Click on Delete button in policy main page.

SSO_EXCEPTION_DELETE_POLICY

ID: CONSOLE-333

Level: SEVERE

Description: Deletion of policy failed.

Data: name of realm, name of policies, error message

Triggers: Unable to delete policy. It may be the single sign on token of the user has expired; or the user does not have permission to perform this operation.

Actions: Look under policy log for more information.

POLICY_EXCEPTION_DELETE_POLICY

ID: CONSOLE-334

Level: SEVERE

Description: Deletion of policy failed.

Data: name of realm, name of policies, error message

Triggers: Unable to delete policy due to policy SDK related errors.

Actions: Look under policy log for more information.

ATTEMPT_GET_REALM_NAMES

ID: CONSOLE-401

Level: INFO

Description: Attempt to get realm names

Data: name of parent realm

Triggers: View realm main page.

SUCCEED_GET_REALM_NAMES

ID: CONSOLE-402

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

Level: INFO

Description: Getting realm names succeeded.

Data: name of parent realm

Triggers: View realm main page.

SMS_EXCEPTION_GET_REALM_NAMES

ID: CONSOLE-403

Level: SEVERE

Description: Getting realm names failed.

Data: name of parent realm, error message

Triggers: Unable to get realm names due to service management SDK exception.

Actions: Look under service management log for more information.

ATTEMPT_CREATE_REALM

ID: CONSOLE-411

Level: INFO

Description: Attempt to create realm

Data: name of parent realm, name of new realm

Triggers: Click on New button in create realm page.

SUCCEED_CREATE_REALM

ID: CONSOLE-412

Level: INFO

Description: Creation of realm succeeded.

Data: name of parent realm, name of new realm

Triggers: Click on New button in create realm page.

SMS_EXCEPTION_CREATE_REALM

ID: CONSOLE-413

Level: SEVERE

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

Description: Creation of realm failed.

Data: name of parent realm, name of new realm, error message

Triggers: Unable to create new realm due to service management SDK exception.

Actions: Look under service management log for more information.

ATTEMPT_DELETE_REALM

ID: CONSOLE-421

Level: INFO

Description: Attempt to delete realm

Data: name of parent realm, name of realm to delete

Triggers: Click on Delete button in realm main page.

SUCCEED_DELETE_REALM

ID: CONSOLE-422

Level: INFO

Description: Deletion of realm succeeded.

Data: name of parent realm, name of realm to delete

Triggers: Click on Delete button in realm main page.

SMS_EXCEPTION_DELETE_REALM

ID: CONSOLE-423

Level: SEVERE

Description: Deletion of realm failed.

Data: name of parent realm, name of realm to delete, error message

Triggers: Unable to delete realm due to service management SDK exception.

Actions: Look under service management log for more information.

ATTEMPT_GET_ATTR_VALUES_OF_REALM

ID: CONSOLE-431

Level: INFO

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

Description: Attempt to get attribute values of realm

Data: name of realm

Triggers: View realm profile page.

SUCCEED_GET_ATTR_VALUES_OF_REALM

ID: CONSOLE-432

Level: INFO

Description: Getting attribute values of realm succeeded.

Data: name of realm

Triggers: View realm profile page.

SMS_EXCEPTION_GET_ATTR_VALUES_OF_REALM

ID: CONSOLE-433

Level: SEVERE

Description: Getting attribute values of realm failed.

Data: name of realm, error message

Triggers: Unable to get attribute values of realm due to service management SDK exception.

Actions: Look under service management log for more information.

ATTEMPT_SET_ATTR_VALUES_OF_REALM

ID: CONSOLE-441

Level: INFO

Description: Attempt to modify realm's profile

Data: name of realm

Triggers: Click on Save button in realm profile page.

SUCCEED_SET_ATTR_VALUES_OF_REALM

ID: CONSOLE-442

Level: INFO

Description: Modification of realm's profile succeeded.

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

Data: name of realm

Triggers: Click on Save button in realm profile page.

SMS_EXCEPTION_SET_ATTR_VALUES_OF_REALM

ID: CONSOLE-443

Level: SEVERE

Description: Modification of realm's profile failed.

Data: name of realm, error message

Triggers: Unable to modify realm's profile due to service management SDK exception.

Actions: Look under service management log for more information.

ATTEMPT_GET_DELEGATION_SUBJECTS

ID: CONSOLE-501

Level: INFO

Description: Attempt to get delegation subjects under a realm

Data: name of realm, search pattern

Triggers: View delegation main page.

SUCCEED_GET_DELEGATION_SUBJECTS

ID: CONSOLE-502

Level: INFO

Description: Getting delegation subjects under a realm succeeded.

Data: name of realm, search pattern

Triggers: View delegation main page.

SSO_EXCEPTION_GET_DELEGATION_SUBJECTS

ID: CONSOLE-503

Level: SEVERE

Description: Getting delegation subjects under a realm failed.

Data: name of realm, search pattern, error message

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

Triggers: Unable to get delegation subjects. It may be the single sign on token of the user has expired; or the user does not have permission to perform this operation.

Actions: Look under delegation management log for more information.

DELEGATION_EXCEPTION_GET_DELEGATION_SUBJECTS

ID: CONSOLE-504

Level: SEVERE

Description: Getting delegation subjects under a realm failed.

Data: name of realm, search pattern, error message

Triggers: Unable to get delegation subjects due to delegation management SDK related errors.

Actions: Look under delegation management log for more information.

ATTEMPT_GET_PRIVILEGES_OF_DELEGATION_SUBJECT

ID: CONSOLE-511

Level: INFO

Description: Attempt to get privileges of delegation subject

Data: name of realm, ID of delegation subject

Triggers: View delegation subject profile page.

SUCCEED_GET_PRIVILEGES_OF_DELEGATION_SUBJECT

ID: CONSOLE-512

Level: INFO

Description: Getting privileges of delegation subject succeeded.

Data: name of realm, ID of delegation subject

Triggers: View delegation subject profile page.

SSO_EXCEPTION_GET_PRIVILEGES_OF_DELEGATION_SUBJECT

ID: CONSOLE-513

Level: SEVERE

Description: Getting privileges of delegation subject failed.

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

Data: name of realm, ID of delegation subject, error message

Triggers: Unable to get privileges of delegation subject. It may be the single sign on token of the user has expired; or the user does not have permission to perform this operation.

Actions: Look under delegation management log for more information.

DELEGATION_EXCEPTION_GET_PRIVILEGES_OF_DELEGATION_SUBJECT

ID: CONSOLE-514

Level: SEVERE

Description: Getting privileges of delegation subject failed.

Data: name of realm, ID of delegation subject, error message

Triggers: Unable to get privileges of delegation subject due to delegation management SDK related errors.

Actions: Look under delegation management log for more information.

ATTEMPT_MODIFY_DELEGATION_PRIVILEGE

ID: CONSOLE-521

Level: INFO

Description: Attempt to modify delegation privilege

Data: name of realm, ID of delegation privilege, ID of subject

Triggers: Click on Save button in delegation subject profile page.

SUCCEED_MODIFY_DELEGATION_PRIVILEGE

ID: CONSOLE-522

Level: INFO

Description: Modification of delegation privilege succeeded.

Data: name of realm, ID of delegation privilege, ID of subject

Triggers: Click on Save button in delegation subject profile page.

SSO_EXCEPTION_MODIFY_DELEGATION_PRIVILEGE

ID: CONSOLE-523

Level: SEVERE

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

Description: Modification of delegation privilege failed.

Data: name of realm, ID of delegation privilege, ID of subject, error message

Triggers: Unable to modify delegation privilege. It may be the single sign on token of the user has expired; or the user does not have permission to perform this operation.

Actions: Look under delegation management log for more information.

DELEGATION_EXCEPTION_MODIFY_DELEGATION_PRIVILEGE

ID: CONSOLE-524

Level: SEVERE

Description: Modification of delegation privilege failed.

Data: name of realm, ID of delegation privilege, ID of subject, error message

Triggers: Unable to modify delegation privilege due to delegation management SDK related errors.

Actions: Look under delegation management log for more information.

ATTEMPT_GET_ID_REPO_NAMES

ID: CONSOLE-601

Level: INFO

Description: Attempt to get data store names

Data: name of realm

Triggers: View data store main page.

SUCCEED_GET_ID_REPO_NAMES

ID: CONSOLE-602

Level: INFO

Description: Getting data store names succeeded.

Data: name of realm

Triggers: View data store main page.

SSO_EXCEPTION_GET_ID_REPO_NAMES

ID: CONSOLE-603

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

Level: SEVERE

Description: Getting data store names failed.

Data: name of realm, error message

Triggers: Unable to get data store names. It may be the single sign on token of the user has expired; or the user does not have permission to perform this operation.

Actions: Look under service management log for more information.

SMS_EXCEPTION_GET_ID_REPO_NAMES

ID: CONSOLE-604

Level: SEVERE

Description: Getting data store names failed.

Data: name of realm, error message

Triggers: Unable to get data store names due to service management SDK exception.

Actions: Look under service management log for more information.

ATTEMPT_GET_ATTR_VALUES_ID_REPO

ID: CONSOLE-611

Level: INFO

Description: Attempt to get attribute values of identity repository

Data: name of realm, name of identity repository

Triggers: View data store profile page.

SUCCEED_GET_ATTR_VALUES_ID_REPO

ID: CONSOLE-612

Level: INFO

Description: Getting attribute values of data store succeeded.

Data: name of realm, name of identity repository

Triggers: View data store profile page.

SSO_EXCEPTION_GET_ATTR_VALUES_ID_REPO

ID: CONSOLE-613

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

Level: SEVERE

Description: Getting attribute values of data store failed.

Data: name of realm, name of identity repository, error message

Triggers: Unable to get attribute values of identity repository. It may be the single sign on token of the user has expired; or the user does not have permission to perform this operation.

Actions: Look under service management log for more information.

SMS_EXCEPTION_GET_ATTR_VALUES_ID_REPO

ID: CONSOLE-614

Level: SEVERE

Description: Getting attribute values of data store failed.

Data: name of realm, name of identity repository, error message

Triggers: Unable to get attribute values of data store due to service management SDK exception.

Actions: Look under service management log for more information.

ATTEMPT_CREATE_ID_REPO

ID: CONSOLE-621

Level: INFO

Description: Attempt to create identity repository

Data: name of realm, name of identity repository, type of identity repository

Triggers: Click on New button in data store creation page.

SUCCEED_CREATE_ID_REPO

ID: CONSOLE-622

Level: INFO

Description: Creation of data store succeeded.

Data: name of realm, name of identity repository, type of identity repository

Triggers: Click on New button in data store creation page.

SSO_EXCEPTION_CREATE_ID_REPO

ID: CONSOLE-623

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

Level: SEVERE

Description: Creation of data store failed.

Data: name of realm, name of identity repository, type of identity repository, error message

Triggers: Unable to create identity repository. It may be the single sign on token of the user has expired; or the user does not have permission to perform this operation.

Actions: Look under service management log for more information.

SMS_EXCEPTION_CREATE_ID_REPO

ID: CONSOLE-624

Level: SEVERE

Description: Creation data store failed.

Data: name of realm, name of identity repository, type of identity repository, error message

Triggers: Unable to create data store due to service management SDK exception.

Actions: Look under service management log for more information.

ATTEMPT_DELETE_ID_REPO

ID: CONSOLE-631

Level: INFO

Description: Attempt to delete identity repository

Data: name of realm, name of identity repository

Triggers: Click on Delete button in data store main page.

SUCCEED_DELETE_ID_REPO

ID: CONSOLE-632

Level: INFO

Description: Deletion of data store succeeded.

Data: name of realm, name of identity repository

Triggers: Click on Delete button in data store main page.

SSO_EXCEPTION_DELETE_ID_REPO

ID: CONSOLE-633

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

Level: SEVERE

Description: Deletion of data store failed.

Data: name of realm, name of identity repository, error message

Triggers: Unable to delete identity repository. It may be the single sign on token of the user has expired; or the user does not have permission to perform this operation.

Actions: Look under service management log for more information.

SMS_EXCEPTION_DELETE_ID_REPO

ID: CONSOLE-634

Level: SEVERE

Description: Deletion data store failed.

Data: name of realm, name of identity repository, error message

Triggers: Unable to delete data store due to service management SDK exception.

Actions: Look under service management log for more information.

ATTEMPT_MODIFY_ID_REPO

ID: CONSOLE-641

Level: INFO

Description: Attempt to modify identity repository

Data: name of realm, name of identity repository

Triggers: Click on Save button in data store profile page.

SUCCEED_MODIFY_ID_REPO

ID: CONSOLE-642

Level: INFO

Description: Modification of data store succeeded.

Data: name of realm, name of identity repository

Triggers: Click on Save button in data store profile page.

SSO_EXCEPTION_MODIFY_ID_REPO

ID: CONSOLE-643

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

Level: SEVERE

Description: Modification of data store failed.

Data: name of realm, name of identity repository, error message

Triggers: Unable to modify identity repository. It may be the single sign on token of the user has expired; or the user does not have permission to perform this operation.

Actions: Look under service management log for more information.

SMS_EXCEPTION_MODIFY_ID_REPO

ID: CONSOLE-644

Level: SEVERE

Description: Modification data store failed.

Data: name of realm, name of identity repository, error message

Triggers: Unable to modify data store due to service management SDK exception.

Actions: Look under service management log for more information.

ATTEMPT_GET_ASSIGNED_SERVICE_OF_REALM

ID: CONSOLE-701

Level: INFO

Description: Attempt to get assigned services of realm

Data: name of realm

Triggers: View realm's service main page.

SUCCEED_GET_ASSIGNED_SERVICE_OF_REALM

ID: CONSOLE-702

Level: INFO

Description: Getting assigned services of realm succeeded.

Data: name of realm

Triggers: View realm's service main page.

CONFIGURATION_EXCEPTION_GET_ASSIGNED_SERVICE_OF_REALM

ID: CONSOLE-703

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

Level: SEVERE

Description: Getting assigned services of realm failed.

Data: name of realm, error message

Triggers: Unable to get assigned services of realm due authentication configuration exception.

Actions: Look under authentication log for more information.

SMS_EXCEPTION_GET_ASSIGNED_SERVICE_OF_REALM

ID: CONSOLE-704

Level: SEVERE

Description: Getting assigned services of realm failed.

Data: name of realm, error message

Triggers: Unable to get assigned services of realm due to service management SDK exception.

Actions: Look under service management log for more information.

IDREPO_EXCEPTION_GET_ASSIGNED_SERVICE_OF_REALM

ID: CONSOLE-705

Level: SEVERE

Description: Getting assigned services of realm failed.

Data: name of realm, error message

Triggers: Unable to get assigned services of realm due to data store SDK exception.

Actions: Look under service management log for more information.

SSO_EXCEPTION_GET_ASSIGNED_SERVICE_OF_REALM

ID: CONSOLE-706

Level: SEVERE

Description: Getting assigned services of realm failed.

Data: name of realm, error message

Triggers: Unable to get assigned services of realm. It may be the single sign on token of the user has expired; or the user does not have permission to perform this operation.

Actions: Look under service management log for more information.

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

ATTEMPT_GET_ASSIGNABLE_SERVICE_OF_REALM

ID: CONSOLE-711

Level: INFO

Description: Attempt to get assignable services of realm

Data: name of realm

Triggers: View realm's service main page.

SUCCEED_GET_ASSIGNABLE_SERVICE_OF_REALM

ID: CONSOLE-712

Level: INFO

Description: Getting assignable services of realm succeeded.

Data: name of realm

Triggers: View realm's service main page.

CONFIGURATION_EXCEPTION_GET_ASSIGNABLE_SERVICE_OF_REALM

ID: CONSOLE-713

Level: SEVERE

Description: Getting assignable services of realm failed.

Data: name of realm, error message

Triggers: Unable to get assignable services of realm due authentication configuration exception.

Actions: Look under authentication log for more information.

SMS_EXCEPTION_GET_ASSIGNABLE_SERVICE_OF_REALM

ID: CONSOLE-714

Level: SEVERE

Description: Getting assignable services of realm failed.

Data: name of realm, error message

Triggers: Unable to get assignable services of realm due to service management SDK exception.

Actions: Look under service management log for more information.

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

IDREPO_EXCEPTION_GET_ASSIGNABLE_SERVICE_OF_REALM

ID: CONSOLE-715

Level: SEVERE

Description: Getting assignable services of realm failed.

Data: name of realm, error message

Triggers: Unable to get assignable services of realm due to ID Repository management SDK exception.

Actions: Look under ID Repository management log for more information.

SSO_EXCEPTION_GET_ASSIGNABLE_SERVICE_OF_REALM

ID: CONSOLE-716

Level: SEVERE

Description: Getting assignable services of realm failed.

Data: name of realm, error message

Triggers: Unable to get assignable services of realm. It may be the single sign on token of the user has expired; or the user does not have permission to perform this operation.

Actions: Look under service management log for more information.

ATTEMPT_UNASSIGN_SERVICE_FROM_REALM

ID: CONSOLE-721

Level: INFO

Description: Attempt to unassign service from realm

Data: name of realm, name of service

Triggers: Click on Unassign button in realm's service page.

SUCCEED_UNASSIGN_SERVICE_FROM_REALM

ID: CONSOLE-722

Level: INFO

Description: Unassign service from realm succeeded.

Data: name of realm, name of service

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

Triggers: Click on Unassign button in realm's service page.

SMS_EXCEPTION_UNASSIGN_SERVICE_FROM_REALM

ID: CONSOLE-723

Level: SEVERE

Description: Unassign service from realm failed.

Data: name of realm, name of service, error message

Triggers: Unable to unassign service from realm due to service management SDK exception.

Actions: Look under service management log for more information.

SSO_EXCEPTION_UNASSIGN_SERVICE_FROM_REALM

ID: CONSOLE-725

Level: SEVERE

Description: Unassign service from realm failed.

Data: name of realm, name of service, error message

Triggers: Unable to unassign service from realm. It may be the single sign on token of the user has expired; or the user does not have permission to perform this operation.

Actions: Look under data store management log for more information.

IDREPO_EXCEPTION_UNASSIGN_SERVICE_FROM_REALM

ID: CONSOLE-724

Level: SEVERE

Description: Unassign service from realm failed.

Data: name of realm, name of service, error message

Triggers: Unable to unassign service from realm due to data store management SDK exception.

Actions: Look under data store management log for more information.

ATTEMPT_ASSIGN_SERVICE_TO_REALM

ID: CONSOLE-731

Level: INFO

Description: Attempt to assign service to realm

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

Data: name of realm, name of service

Triggers: Click on assign button in realm's service page.

SUCCEED_ASSIGN_SERVICE_TO_REALM

ID: CONSOLE-732

Level: INFO

Description: Assignment of service to realm succeeded.

Data: name of realm, name of service

Triggers: Click on assign button in realm's service page.

SMS_EXCEPTION_ASSIGN_SERVICE_TO_REALM

ID: CONSOLE-733

Level: SEVERE

Description: Assignment of service to realm failed.

Data: name of realm, name of service, error message

Triggers: Unable to assign service to realm due to service management SDK exception.

Actions: Look under service management log for more information.

SSO_EXCEPTION_ASSIGN_SERVICE_TO_REALM

ID: CONSOLE-734

Level: SEVERE

Description: Assignment of service to realm failed.

Data: name of realm, name of service, error message

Triggers: Unable to assign service to realm. It may be the single sign on token of the user has expired; or the user does not have permission to perform this operation.

Actions: Look under service management log for more information.

IDREPO_EXCEPTION_ASSIGN_SERVICE_TO_REALM

ID: CONSOLE-735

Level: SEVERE

Description: Assignment of service to realm failed.

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

Data: name of realm, name of service, error message

Triggers: Unable to assign service to realm due to data store SDK exception.

Actions: Look under service management log for more information.

ATTEMPT_GET_ATTR_VALUE_OF_SERVICE_UNDER_REALM

ID: CONSOLE-741

Level: INFO

Description: Attempt to get attribute values of service in realm

Data: name of realm, name of service, name of attribute schema

Triggers: View realm's service profile page.

SUCCEED_GET_ATTR_VALUE_OF_SERVICE_UNDER_REALM

ID: CONSOLE-742

Level: INFO

Description: Getting of attribute values of service under realm succeeded.

Data: name of realm, name of service, name of attribute schema

Triggers: View realm's service profile page.

SMS_EXCEPTION_GET_ATTR_VALUE_OF_SERVICE_UNDER_REALM

ID: CONSOLE-743

Level: SEVERE

Description: Getting of attribute values of service under realm failed.

Data: name of realm, name of service, name of attribute schema, error message

Triggers: Unable to get attribute values of service due to service management SDK exception.

Actions: Look under service management log for more information.

IDREPO_EXCEPTION_GET_ATTR_VALUE_OF_SERVICE_UNDER_REALM

ID: CONSOLE-744

Level: INFO

Description: Getting of attribute values of service under realm failed.

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

Data: name of realm, name of service, name of attribute schema, error message

Triggers: Unable to get attribute values of service due to data store SDK exception.

Actions: Look under service management log for more information.

SSO_EXCEPTION_GET_ATTR_VALUE_OF_SERVICE_UNDER_REALM

ID: CONSOLE-745

Level: SEVERE

Description: Getting of attribute values of service under realm failed.

Data: name of realm, name of service, name of attribute schema, error message

Triggers: Unable to get attribute values of service. It may be the single sign on token of the user has expired; or the user does not have permission to perform this operation.

Actions: Look under service management log for more information.

ATTEMPT_MODIFY_SERVICE_UNDER_REALM

ID: CONSOLE-751

Level: INFO

Description: Attempt to modify attribute values of service in realm

Data: name of realm, name of service

Triggers: Click on Save button in realm's service profile page.

SUCCEED_MODIFY_SERVICE_UNDER_REALM

ID: CONSOLE-752

Level: INFO

Description: Modification of attribute values of service under realm succeeded.

Data: name of realm, name of service

Triggers: Click on Save button in realm's service profile page.

SMS_EXCEPTION_MODIFY_SERVICE_UNDER_REALM

ID: CONSOLE-753

Level: SEVERE

Description: Modification of attribute values of service under realm failed.

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

Data: name of realm, name of service, error message

Triggers: Unable to modify attribute values of service due to service management SDK exception.

Actions: Look under service management log for more information.

IDREPO_EXCEPTION_MODIFY_SERVICE_UNDER_REALM

ID: CONSOLE-754

Level: SEVERE

Description: Modification of attribute values of service under realm failed.

Data: name of realm, name of service, error message

Triggers: Unable to modify attribute values of service due to data store error.

Actions: Look under data store log for more information.

SSO_EXCEPTION_MODIFY_SERVICE_UNDER_REALM

ID: CONSOLE-755

Level: SEVERE

Description: Modification of attribute values of service under realm failed.

Data: name of realm, name of service, error message

Triggers: Unable to modify attribute values of service. It may be the single sign on token of the user has expired; or the user does not have permission to perform this operation

Actions: Look under data store log for more information.

ATTEMPT_GET_AUTH_TYPE

ID: CONSOLE-801

Level: INFO

Description: Attempt to get authentication type

Data: server instance name

Triggers: View authentication profile page.

SUCCEED_GET_AUTH_TYPE

ID: CONSOLE-802

Level: INFO

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

Description: Getting of authentication type succeeded.

Data: server instance name

Triggers: View authentication profile page.

SMS_EXCEPTION_GET_AUTH_TYPE

ID: CONSOLE-803

Level: SEVERE

Description: Getting of authentication type failed.

Data: error message

Triggers: Unable to get authentication type due to authentication configuration SDK exception.

Actions: Look under authentication management log for more information.

ATTEMPT_GET_AUTH_INSTANCE

ID: CONSOLE-811

Level: INFO

Description: Attempt to get authentication instances under a realm

Data: name of realm

Triggers: View authentication profile page.

SUCCEED_GET_AUTH_INSTANCE

ID: CONSOLE-812

Level: INFO

Description: Getting of authentication instances under a realm succeeded.

Data: name of realm

Triggers: View authentication profile page.

AUTH_CONFIG_EXCEPTION_GET_AUTH_INSTANCE

ID: CONSOLE-813

Level: SEVERE

Description: Getting of authentication instances under a realm failed.

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

Data: name of realm, error message

Triggers: Unable to get authentication instance due to authentication configuration SDK exception.

Actions: Look under authentication management log for more information.

ATTEMPT_REMOVE_AUTH_INSTANCE

ID: CONSOLE-821

Level: INFO

Description: Attempt to remove authentication instances under a realm

Data: name of realm, name of authentication instance

Triggers: View authentication profile page.

SUCCEED_REMOVE_AUTH_INSTANCE

ID: CONSOLE-822

Level: INFO

Description: Removal of authentication instances under a realm succeeded.

Data: name of realm, name of authentication instance

Triggers: View authentication profile page.

AUTH_CONFIG_EXCEPTION_REMOVE_AUTH_INSTANCE

ID: CONSOLE-823

Level: SEVERE

Description: Removal of authentication instances under a realm failed.

Data: name of realm, name of authentication instance, error message

Triggers: Unable to remove authentication instance due to authentication configuration SDK exception.

Actions: Look under authentication management log for more information.

ATTEMPT_CREATE_AUTH_INSTANCE

ID: CONSOLE-831

Level: INFO

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

Description: Attempt to create authentication instance under a realm

Data: name of realm, name of authentication instance, type of authentication instance

Triggers: Click on New button in authentication creation page.

SUCCEED_CREATE_AUTH_INSTANCE

ID: CONSOLE-832

Level: INFO

Description: Creation of authentication instance under a realm succeeded.

Data: name of realm, name of authentication instance, type of authentication instance

Triggers: Click on New button in authentication creation page.

AUTH_CONFIG_EXCEPTION_CREATE_AUTH_INSTANCE

ID: CONSOLE-833

Level: SEVERE

Description: Creation of authentication instance under a realm failed.

Data: name of realm, name of authentication instance, type of authentication instance, error message

Triggers: Unable to create authentication instance due to authentication configuration exception.

Actions: Look under authentication configuration log for more information.

ATTEMPT_MODIFY_AUTH_INSTANCE

ID: CONSOLE-841

Level: INFO

Description: Attempt to modify authentication instance

Data: name of realm, name of authentication service

Triggers: Click on Save button in authentication profile page.

SUCCEED_MODIFY_AUTH_INSTANCE

ID: CONSOLE-842

Level: INFO

Description: Modification of authentication instance succeeded.

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

Data: name of realm, name of authentication service

Triggers: Click on Save button in authentication profile page.

SMS_EXCEPTION_MODIFY_AUTH_INSTANCE

ID: CONSOLE-843

Level: SEVERE

Description: Modification of authentication instance failed.

Data: name of realm, name of authentication service, error message

Triggers: Unable to modify authentication instance due to service management SDK exception.

Actions: Look under service anagement log for more information.

SSO_EXCEPTION_MODIFY_AUTH_INSTANCE

ID: CONSOLE-844

Level: SEVERE

Description: Modification of authentication instance failed.

Data: name of realm, name of authentication service, error message

Triggers: Unable to modify authentication instance. It may be the single sign on token of the user has expired; or the user does not have permission to perform this operation.

Actions: Look under service management log for more information.

ATTEMPT_GET_AUTH_INSTANCE_PROFILE

ID: CONSOLE-851

Level: INFO

Description: Attempt to get authentication instance profile

Data: name of realm, name of authentication instance

Triggers: View authentication instance profile page.

SUCCEED_GET_AUTH_INSTANCE_PROFILE

ID: CONSOLE-852

Level: INFO

Description: Getting of authentication instance profile succeeded.

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

Data: name of realm, name of authentication instance

Triggers: View authentication instance profile page.

AUTH_CONFIGURATION_EXCEPTION_GET_AUTH_INSTANCE_PROFILE

ID: CONSOLE-853

Level: SEVERE

Description: Getting of authentication instance profile failed.

Data: name of realm, name of authentication instance, error message

Triggers: Unable to get authentication instance profile due to authentication configuration SDK exception.

Actions: Look under authentication management log for more information.

ATTEMPT_MODIFY_AUTH_INSTANCE_PROFILE

ID: CONSOLE-861

Level: INFO

Description: Attempt to modify authentication instance profile

Data: name of realm, name of authentication instance

Triggers: Click on Save button in authentication instance profile page.

SUCCEED_MODIFY_AUTH_INSTANCE_PROFILE

ID: CONSOLE-862

Level: INFO

Description: Modification of authentication instance profile succeeded.

Data: name of realm, name of authentication instance

Triggers: Click on Save button in authentication instance profile page.

AUTH_CONFIGURATION_EXCEPTION_MODIFY_AUTH_INSTANCE_PROFILE

ID: CONSOLE-863

Level: SEVERE

Description: Modification of authentication instance profile failed.

Data: name of realm, name of authentication instance, error message

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

Triggers: Unable to modify authentication instance profile due to authentication configuration SDK exception.

Actions: Look under authentication management log for more information.

SMS_EXCEPTION_MODIFY_AUTH_INSTANCE_PROFILE

ID: CONSOLE-864

Level: SEVERE

Description: Modification of authentication instance profile failed.

Data: name of realm, name of authentication instance, error message

Triggers: Unable to modify authentication instance profile due to service management SDK exception.

Actions: Look under service management log for more information.

SSO_EXCEPTION_MODIFY_AUTH_INSTANCE_PROFILE

ID: CONSOLE-865

Level: SEVERE

Description: Modification of authentication instance profile failed.

Data: name of realm, name of authentication instance, error message

Triggers: Unable to modify authentication instance profile. It may be the single sign on token of the user has expired; or the user does not have permission to perform this operation.

Actions: Look under service management log for more information.

ATTEMPT_GET_AUTH_PROFILE_IN_REALM

ID: CONSOLE-871

Level: INFO

Description: Attempt to get authentication profile under a realm

Data: name of realm

Triggers: View authentication profile under a realm page.

SUCCEED_GET_AUTH_PROFILE_IN_REALM

ID: CONSOLE-872

Level: INFO

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

Description: Getting authentication profile under a realm succeeded.

Data: name of realm

Triggers: View authentication profile under a realm page.

SMS_CONFIGURATION_EXCEPTION_GET_AUTH_PROFILE_IN_REALM

ID: CONSOLE-873

Level: SEVERE

Description: Getting authentication profile under a realm failed.

Data: name of realm, error message

Triggers: Unable to get authentication profile under a realm due to service management SDK exception.

Actions: Look under service management log for more information.

ATTEMPT_GET_AUTH_CONFIG_PROFILE

ID: CONSOLE-881

Level: INFO

Description: Attempt to get authentication configuration profile

Data: name of realm, name of authentication configuration

Triggers: View authentication configuration profile page.

SUCCEED_GET_AUTH_CONFIG_PROFILE

ID: CONSOLE-882

Level: INFO

Description: Getting authentication configuration profile succeeded.

Data: name of realm, name of authentication configuration

Triggers: View authentication configuration profile page.

SSO_EXCEPTION_GET_AUTH_CONFIG_PROFILE

ID: CONSOLE-883

Level: SEVERE

Description: Getting authentication configuration profile failed.

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

Data: name of realm, name of authentication configuration, error message

Triggers: Unable to get authentication configuration profile. It may be the single sign on token of the user has expired; or the user does not have permission to perform this operation.

Actions: Look under service management log for more information.

SMS_EXCEPTION_GET_AUTH_CONFIG_PROFILE

ID: CONSOLE-884

Level: SEVERE

Description: Getting authentication configuration profile failed.

Data: name of realm, name of authentication configuration, error message

Triggers: Unable to get authentication configuration profile due to service management SDK exception.

Actions: Look under service management log for more information.

AUTH_CONFIGURATION_EXCEPTION_GET_AUTH_CONFIG_PROFILE

ID: CONSOLE-885

Level: SEVERE

Description: Getting authentication configuration profile failed.

Data: name of realm, name of authentication configuration, error message

Triggers: Unable to get authentication configuration profile due to authentication configuration SDK exception.

Actions: Look under authentication configuration log for more information.

ATTEMPT_MODIFY_AUTH_CONFIG_PROFILE

ID: CONSOLE-891

Level: INFO

Description: Attempt to modify authentication configuration profile

Data: name of realm, name of authentication configuration

Triggers: Click on Save button in authentication configuration profile page.

SUCCEED_MODIFY_AUTH_CONFIG_PROFILE

ID: CONSOLE-892

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

Level: INFO

Description: Modification of authentication configuration profile succeeded.

Data: name of realm, name of authentication configuration

Triggers: Click on Save button in authentication configuration profile page.

SSO_EXCEPTION_MODIFY_AUTH_CONFIG_PROFILE

ID: CONSOLE-893

Level: SEVERE

Description: Modification of authentication configuration profile failed.

Data: name of realm, name of authentication configuration, error message

Triggers: Unable to modify authentication configuration profile. It may be the single sign on token of the user has expired; or the user does not have permission to perform this operation.

Actions: Look under service management log for more information.

SMS_EXCEPTION_MODIFY_AUTH_CONFIG_PROFILE

ID: CONSOLE-894

Level: SEVERE

Description: Modification of authentication configuration profile failed.

Data: name of realm, name of authentication configuration, error message

Triggers: Unable to modify authentication configuration profile due to service management SDK exception.

Actions: Look under service management log for more information.

AUTH_CONFIGURATION_EXCEPTION_MODIFY_AUTH_CONFIG_PROFILE

ID: CONSOLE-895

Level: SEVERE

Description: Modification of authentication configuration profile failed.

Data: name of realm, name of authentication configuration, error message

Triggers: Unable to modify authentication configuration profile due to authentication configuration SDK exception.

Actions: Look under authentication configuration log for more information.

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

ATTEMPT_CREATE_AUTH_CONFIG

ID: CONSOLE-901

Level: INFO

Description: Attempt to create authentication configuration

Data: name of realm, name of authentication configuration

Triggers: Click on New button in authentication configuration creation page.

SUCCEED_CREATE_AUTH_CONFIG

ID: CONSOLE-902

Level: INFO

Description: Creation of authentication configuration succeeded.

Data: name of realm, name of authentication configuration

Triggers: Click on New button in authentication configuration creation page.

SSO_EXCEPTION_CREATE_AUTH_CONFIG

ID: CONSOLE-903

Level: SEVERE

Description: Creation of authentication configuration failed.

Data: name of realm, name of authentication configuration, error message

Triggers: Unable to create authentication configuration. It may be the single sign on token of the user has expired; or the user does not have permission to perform this operation.

Actions: Look under service management log for more information.

SMS_EXCEPTION_CREATE_AUTH_CONFIG

ID: CONSOLE-904

Level: SEVERE

Description: Creation of authentication configuration failed.

Data: name of realm, name of authentication configuration, error message

Triggers: Unable to create authentication configuration due to service management SDK exception.

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

Actions: Look under service management log for more information.

AUTH_CONFIGURATION_EXCEPTION_CREATE_AUTH_CONFIG

ID: CONSOLE-905

Level: SEVERE

Description: Creation of authentication configuration failed.

Data: name of realm, name of authentication configuration, error message

Triggers: Unable to create authentication configuration due to authentication configuration SDK exception.

Actions: Look under authentication configuration log for more information.

ATTEMPT_GET_ENTITY_DESCRIPTOR

ID: CONSOLE-1001

Level: INFO

Description: Attempt to get entity descriptor names.

Data: search pattern

Triggers: View entity descriptor main page.

SUCCEED_GET_ENTITY_DESCRIPTOR

ID: CONSOLE-1002

Level: INFO

Description: Getting entity descriptor names succeeded

Data: search pattern

Triggers: View entity descriptor main page.

FEDERATION_EXCEPTION_GET_ENTITY_DESCRIPTOR

ID: CONSOLE-1003

Level: SEVERE

Description: Getting entity descriptor names failed.

Data: search pattern, error message

Triggers: Unable to get entity descriptor names due to federation SDK related errors.

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

Actions: Look under federation log for more information.

ATTEMPT_CREATE_ENTITY_DESCRIPTOR

ID: CONSOLE-1011

Level: INFO

Description: Attempt to create entity descriptor.

Data: descriptor realm, descriptor name, descriptor protocol, descriptor type

Triggers: Click on New button in entity descriptor creation page.

SUCCEED_CREATE_ENTITY_DESCRIPTOR

ID: CONSOLE-1012

Level: INFO

Description: Creation entity descriptor succeeded

Data: descriptor realm, descriptor name, descriptor protocol, descriptor type

Triggers: Click on New button in entity descriptor creation page.

FEDERATION_EXCEPTION_CREATE_ENTITY_DESCRIPTOR

ID: CONSOLE-1013

Level: SEVERE

Description: Creation entity descriptor failed.

Data: descriptor realm, descriptor name, descriptor protocol, descriptor type, error message

Triggers: Unable to create entity descriptor due to federation SDK related errors.

Actions: Look under federation log for more information.

ATTEMPT_DELETE_ENTITY_DESCRIPTORS

ID: CONSOLE-1021

Level: INFO

Description: Attempt to delete entity descriptors.

Data: descriptor names

Triggers: Click on Delete button in entity descriptor main page.

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

SUCCEED_DELETE_ENTITY_DESCRIPTORS

ID: CONSOLE-1022

Level: INFO

Description: Deletion entity descriptors succeeded

Data: descriptor names

Triggers: Click on Delete button in entity descriptor main page.

FEDERATION_EXCEPTION_DELETE_ENTITY_DESCRIPTORS

ID: CONSOLE-1023

Level: SEVERE

Description: Deletion entity descriptors failed.

Data: descriptor names, error message

Triggers: Unable to delete entity descriptors due to federation SDK related errors.

Actions: Look under federation log for more information.

ATTEMPT_GET_AFFILIATE_ENTITY_DESCRIPTOR_ATTR_VALUES

ID: CONSOLE-1031

Level: INFO

Description: Attempt to get attribute values of an affiliate entity descriptor.

Data: descriptor realm, descriptor name, descriptor protocol

Triggers: View affiliate entity descriptor profile page.

SUCCEED_GET_AFFILIATE_ENTITY_DESCRIPTOR_ATTR_VALUES

ID: CONSOLE-1032

Level: INFO

Description: Getting of attribute values of an affiliate entity descriptor succeeded.

Data: descriptor realm, descriptor name, descriptor protocol

Triggers: View affiliate entity descriptor profile page.

FEDERATION_EXCEPTION_GET_AFFILIATE_ENTITY_DESCRIPTOR_ATTR_VALUES

ID: CONSOLE-1033

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

Level: SEVERE

Description: Getting of attribute values of an affiliate entity descriptor failed.

Data: descriptor realm, descriptor name, descriptor protocol, error message

Triggers: Unable to get attribute value of an affiliate entity descriptor due to federation SDK related errors.

Actions: Look under federation log for more information.

ATTEMPT_MODIFY_AFFILIATE_ENTITY_DESCRIPTOR

ID: CONSOLE-1041

Level: INFO

Description: Attempt to modify an affiliate entity descriptor.

Data: descriptor realm, descriptor name, descriptor protocol

Triggers: Click on Save button of affiliate entity descriptor profile page.

SUCCEED_MODIFY_AFFILIATE_ENTITY_DESCRIPTOR

ID: CONSOLE-1042

Level: INFO

Description: Modification of an affiliate entity descriptor succeeded.

Data: descriptor realm, descriptor name, descriptor protocol

Triggers: Click on Save button of affiliate entity descriptor profile page.

FEDERATION_EXCEPTION_MODIFY_AFFILIATE_ENTITY_DESCRIPTOR

ID: CONSOLE-1043

Level: SEVERE

Description: Modification of an affiliate entity descriptor failed.

Data: descriptor realm, descriptor name, descriptor protocol, error message

Triggers: Unable to modify an affiliate entity descriptor due to federation SDK related errors.

Actions: Look under federation log for more information.

ATTRIBUTE_FORMAT_EXCEPTION_MODIFY_AFFILIATE_ENTITY_DESCRIPTOR

ID: CONSOLE-1044

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

Level: SEVERE

Description: Modification of an affiliate entity descriptor failed.

Data: descriptor name, error message

Triggers: Unable to modify an affiliate entity descriptor due to incorrect number format of one or more attribute values.

Actions: Look under federation log for more information.

ATTEMPT_GET_ENTITY_DESCRIPTOR_ATTR_VALUES

ID: CONSOLE-1051

Level: INFO

Description: Attempt to get attribute values of an entity descriptor.

Data: descriptor realm, descriptor name, descriptor protocol, descriptor type

Triggers: View entity descriptor profile page.

SUCCEED_GET_ENTITY_DESCRIPTOR_ATTR_VALUES

ID: CONSOLE-1052

Level: INFO

Description: Getting attribute values of entity descriptor succeeded.

Data: descriptor realm, descriptor name, descriptor protocol, descriptor type

Triggers: View entity descriptor profile page.

FEDERATION_EXCEPTION_GET_ENTITY_DESCRIPTOR_ATTR_VALUES

ID: CONSOLE-1053

Level: SEVERE

Description: Getting attribute values of entity descriptor failed.

Data: descriptor realm, descriptor name, descriptor protocol, descriptor type, error message

Triggers: Unable to get attribute values of entity descriptor due to federation SDK related errors.

Actions: Look under federation log for more information.

ATTEMPT_MODIFY_ENTITY_DESCRIPTOR

ID: CONSOLE-1061

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

Level: INFO

Description: Attempt to modify entity descriptor.

Data: descriptor realm, descriptor name, descriptor protocol, descriptor type

Triggers: Click on Save button in entity descriptor profile page.

SUCCEED_MODIFY_ENTITY_DESCRIPTOR

ID: CONSOLE-1062

Level: INFO

Description: Modification of entity descriptor succeeded.

Data: descriptor realm, descriptor name, descriptor protocol, descriptor type

Triggers: Click on Save button in entity descriptor profile page.

FEDERATION_EXCEPTION_MODIFY_ENTITY_DESCRIPTOR

ID: CONSOLE-1063

Level: SEVERE

Description: Modification of entity descriptor failed.

Data: descriptor realm, descriptor name, descriptor protocol, descriptor type, error message

Triggers: Unable to modify entity descriptor due to federation SDK related errors.

Actions: Look under federation log for more information.

ATTEMPT_GET_AUTH_DOMAINS

ID: CONSOLE-1101

Level: INFO

Description: Attempt to get authentication domain names.

Data: search pattern

Triggers: View authentication domain main page.

SUCCEED_GET_AUTH_DOMAINS

ID: CONSOLE-1102

Level: INFO

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

Description: Getting authentication domain names succeeded.

Data: search pattern

Triggers: View authentication domain main page.

FEDERATION_EXCEPTION_GET_AUTH_DOMAINS

ID: CONSOLE-1103

Level: SEVERE

Description: Getting authentication domain names failed.

Data: name of realm, error message

Triggers: Unable to get authentication domain names due to federation SDK related errors.

Actions: Look under federation log for more information.

ATTEMPT_CREATE_AUTH_DOMAIN

ID: CONSOLE-1111

Level: INFO

Description: Attempt to create authentication domain

Data: name of authentication domain

Triggers: Click on New button in authentication domain creation page.

SUCCEED_CREATE_AUTH_DOMAIN

ID: CONSOLE-1112

Level: INFO

Description: Creation authentication domain succeeded.

Data: name of authentication domain

Triggers: Click on New button in authentication domain creation page.

FEDERATION_EXCEPTION_CREATE_AUTH_DOMAIN

ID: CONSOLE-1113

Level: SEVERE

Description: Creation authentication domain failed.

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

Data: name of authentication domain, error message

Triggers: Unable to create authentication domain due to federation SDK related errors.

Actions: Look under federation log for more information.

ATTEMPT_DELETE_AUTH_DOMAINS

ID: CONSOLE-1121

Level: INFO

Description: Attempt to delete authentication domains

Data: name of realm, name of authentication domains

Triggers: Click on Delete button in authentication domain main page.

SUCCEED_DELETE_AUTH_DOMAIN

ID: CONSOLE-1122

Level: INFO

Description: Deletion authentication domain succeeded.

Data: name of realm, name of authentication domains

Triggers: Click on Delete button in authentication domain main page.

FEDERATION_EXCEPTION_DELETE_AUTH_DOMAIN

ID: CONSOLE-1123

Level: SEVERE

Description: Deletion authentication domain failed.

Data: name of realm, name of authentication domains, error message

Triggers: Unable to delete authentication domain due to federation SDK related errors.

Actions: Look under federation log for more information.

ATTEMPT_GET_AUTH_DOMAIN_ATTR_VALUES

ID: CONSOLE-1131

Level: INFO

Description: Attempt to get authentication domain's attribute values

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

Data: name of realm, name of authentication domain

Triggers: View authentication domain profile page.

SUCCEED_GET_AUTH_DOMAIN_ATTR_VALUES

ID: CONSOLE-1132

Level: INFO

Description: Getting attribute values of authentication domain succeeded.

Data: name of realm, name of authentication domain

Triggers: View authentication domain profile page.

FEDERATION_EXCEPTION_GET_AUTH_DOMAIN_ATTR_VALUES

ID: CONSOLE-1133

Level: SEVERE

Description: Getting attribute values of authentication domain failed.

Data: name of realm, name of authentication domains, error message

Triggers: Unable to get attribute values of authentication domain due to federation SDK related errors.

Actions: Look under federation log for more information.

ATTEMPT_MODIFY_AUTH_DOMAIN

ID: CONSOLE-1141

Level: INFO

Description: Attempt to modify authentication domain

Data: name of realm, name of authentication domain

Triggers: Click on Save button in authentication domain profile page.

SUCCEED_MODIFY_AUTH_DOMAIN

ID: CONSOLE-1142

Level: INFO

Description: Modification authentication domain succeeded.

Data: name of realm, name of authentication domain

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

Triggers: Click on Save button in authentication domain profile page.

FEDERATION_EXCEPTION_MODIFY_AUTH_DOMAIN

ID: CONSOLE-1143

Level: SEVERE

Description: Modification authentication domain failed.

Data: name of realm, name of authentication domain, error message

Triggers: Unable to modify authentication domain due to federation SDK related errors.

Actions: Look under federation log for more information.

ATTEMPT_GET_ALL_PROVIDER_NAMES

ID: CONSOLE-1151

Level: INFO

Description: Attempt to get all provider names

Data: realm name

Triggers: View authentication domain profile page.

SUCCEED_GET_ALL_PROVIDER_NAMES

ID: CONSOLE-1152

Level: INFO

Description: Getting all provider names succeeded.

Data: realm name

Triggers: View authentication domain profile page.

FEDERATION_EXCEPTION_GET_ALL_PROVIDER_NAMES

ID: CONSOLE-1153

Level: SEVERE

Description: Getting all provider names failed.

Data: error message

Triggers: Unable to get all provider names due to federation SDK related errors.

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

Actions: Look under federation log for more information.

ATTEMPT_GET_PROVIDER_NAMES_UNDER_AUTH_DOMAIN

ID: CONSOLE-1161

Level: INFO

Description: Attempt to get provider names under a authentication domain

Data: name of realm, name of authentication domain

Triggers: View authentication domain profile page.

SUCCEED_GET_PROVIDER_NAMES_UNDER_AUTH_DOMAIN

ID: CONSOLE-1162

Level: INFO

Description: Getting provider names under authentication domain succeeded.

Data: name of realm, name of authentication domain

Triggers: View authentication domain profile page.

FEDERATION_EXCEPTION_GET_PROVIDER_NAMES_UNDER_AUTH_DOMAIN

ID: CONSOLE-1163

Level: SEVERE

Description: Getting provider names under authentication domain failed.

Data: name of realm, name of authentication domain, error message

Triggers: Unable to get provider names under authentication domain due to federation SDK related errors.

Actions: Look under federation log for more information.

ATTEMPT_ADD_PROVIDERS_TO_AUTH_DOMAIN

ID: CONSOLE-1171

Level: INFO

Description: Attempt to add providers to an authentication domain

Data: name of realm, name of authentication domain, name of providers

Triggers: Click on Save button in provider assignment page.

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

SUCCEED_ADD_PROVIDERS_TO_AUTH_DOMAIN

ID: CONSOLE-1172

Level: INFO

Description: Addition of provider to an authentication domain succeeded.

Data: name of realm, name of authentication domain, name of providers

Triggers: Click on Save button in provider assignment page.

FEDERATION_EXCEPTION_ADD_PROVIDERS_TO_AUTH_DOMAIN

ID: CONSOLE-1173

Level: SEVERE

Description: Addition of provider to an authentication domain failed.

Data: name of realm, name of authentication domain, name of providers, error message

Triggers: Unable to add provider to authentication domain due to federation SDK related errors.

Actions: Look under federation log for more information.

ATTEMPT_REMOVE_PROVIDERS_FROM_AUTH_DOMAIN

ID: CONSOLE-1181

Level: INFO

Description: Attempt to remove providers from authentication domain

Data: name of realm, name of authentication domain, name of providers

Triggers: Click on Save button in provider assignment page.

SUCCEED_REMOVE_PROVIDERS_FROM_AUTH_DOMAIN

ID: CONSOLE-1182

Level: INFO

Description: Deletion of providers from authentication domain succeeded.

Data: name of realm, name of authentication domain, name of providers

Triggers: Click on Save button in provider assignment page.

FEDERATION_EXCEPTION_REMOVE_PROVIDERS_FROM_AUTH_DOMAIN

ID: CONSOLE-1183

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

Level: SEVERE

Description: Deletion of provider from authentication domain failed.

Data: name of realm, name of authentication domain, name of providers, error message

Triggers: Unable to remove provider from authentication domain due to federation SDK related errors.

Actions: Look under federation log for more information.

ATTEMPT_CREATE_PROVIDER

ID: CONSOLE-1301

Level: INFO

Description: Attempt to create provider

Data: name of provider, role of provider, type of provider

Triggers: Click on Save button in provider assignment page.

SUCCEED_CREATE_PROVIDER

ID: CONSOLE-1302

Level: INFO

Description: Creation of providers succeeded.

Data: name of provider, role of provider, type of provider

Triggers: Click on Save button in provider assignment page.

FEDERATION_EXCEPTION_CREATE_PROVIDER

ID: CONSOLE-1303

Level: SEVERE

Description: Creation of provider failed.

Data: name of provider, role of provider, type of provider, error message

Triggers: Unable to create provider due to federation SDK related errors.

Actions: Look under federation log for more information.

FEDERATION_EXCEPTION_CREATE_PROVIDER

ID: CONSOLE-1304

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

Level: SEVERE

Description: Creation of provider failed.

Data: name of provider, role of provider, type of provider, error message

Triggers: Unable to create provider due to federation SDK related errors.

Actions: Look under federation log for more information.

INVOCATION_TARGET_EXCEPTION_CREATE_PROVIDER

ID: CONSOLE-1305

Level: SEVERE

Description: Creation of provider failed.

Data: name of provider, role of provider, type of provider, error message

Triggers: Unable to create provider because Administration Console cannot find the appropriate methods to set values for this provider.

Actions: This is a web application error. Please contact Sun Support for assistant.

ATTEMPT_GET_PROVIDER_ATTRIBUTE_VALUES

ID: CONSOLE-1311

Level: INFO

Description: Attempt to get attribute values for provider

Data: name of provider, role of provider, type of provider

Triggers: View provider profile page.

SUCCEED_GET_PROVIDER_ATTRIBUTE_VALUES

ID: CONSOLE-1312

Level: INFO

Description: Getting attribute values of providers succeeded.

Data: name of provider, role of provider, type of provider

Triggers: View provider profile page.

ATTEMPT_GET_HANDLER_TO_PROVIDER

ID: CONSOLE-1321

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

Level: INFO

Description: Attempt to get handler to provider

Data: name of provider, role of provider

Triggers: View provider profile page.

SUCCEED_GET_HANDLER_TO_PROVIDER

ID: CONSOLE-1322

Level: INFO

Description: Getting handler to provider succeeded.

Data: name of provider, role of provider

Triggers: View provider profile page.

FEDERATION_EXCEPTION_GET_HANDLER_TO_PROVIDER

ID: CONSOLE-1323

Level: SEVERE

Description: Getting handler to provider failed.

Data: name of provider, role of provider, error message

Triggers: Unable to get handler to provider due to federation SDK related errors.

Actions: Look under federation log for more information.

ATTEMPT_MODIFY_PROVIDER

ID: CONSOLE-1331

Level: INFO

Description: Attempt to modify provider

Data: name of provider, role of provider

Triggers: Click on Save button in provider profile page.

SUCCEED_MODIFY_PROVIDER

ID: CONSOLE-1332

Level: INFO

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

Description: Modification of provider succeeded.

Data: name of provider, role of provider

Triggers: Click on Save button in provider profile page.

FEDERATION_EXCEPTION_MODIFY_PROVIDER

ID: CONSOLE-1333

Level: SEVERE

Description: Modification of provider failed.

Data: name of provider, role of provider, error message

Triggers: Unable to modify provider due to federation SDK related errors.

Actions: Look under federation log for more information.

INVOCATION_TARGET_EXCEPTION_MODIFY_PROVIDER

ID: CONSOLE-1334

Level: SEVERE

Description: Modification of provider failed.

Data: name of provider, role of provider, error message

Triggers: Unable to modify provider because Administration Console cannot find the appropriate methods to set values for this provider.

Actions: This is a web application error. Please contact Sun Support for assistant.

ATTEMPT_DELETE_PROVIDER

ID: CONSOLE-1341

Level: INFO

Description: Attempt to delete provider

Data: name of provider, role of provider

Triggers: Click on delete provider button in provider profile page.

SUCCEED_DELETE_PROVIDER

ID: CONSOLE-1342

Level: INFO

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

Description: Deletion of provider succeeded.

Data: name of provider, role of provider

Triggers: Click on delete provider button in provider profile page.

FEDERATION_EXCEPTION_DELETE_PROVIDER

ID: CONSOLE-1343

Level: SEVERE

Description: Deletion of provider failed.

Data: name of provider, role of provider, error message

Triggers: Unable to delete provider due to federation SDK related errors.

Actions: Look under federation log for more information.

ATTEMPT_GET_PROSPECTIVE_TRUSTED_PROVIDER

ID: CONSOLE-1351

Level: INFO

Description: Attempt to get prospective trusted provider

Data: name of provider, role of provider

Triggers: View add trusted provider page.

SUCCEED_GET_PROSPECTIVE_TRUSTED_PROVIDER

ID: CONSOLE-1352

Level: INFO

Description: Getting of prospective trusted provider succeeded.

Data: name of provider, role of provider

Triggers: View add trusted provider page.

FEDERATION_EXCEPTION_GET_PROSPECTIVE_TRUSTED_PROVIDER

ID: CONSOLE-1353

Level: SEVERE

Description: Getting of prospective trusted provider failed.

Data: name of provider, role of provider, error message

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

Triggers: Unable to get prospective trusted provider due to federation SDK related errors.

Actions: Look under federation log for more information.

ATTEMPT_GET_ATTR_VALUE_SCHEMA_TYPE

ID: CONSOLE-2001

Level: INFO

Description: Attempt to get attribute values of schema type of a service schema

Data: name of service, name of schema type, name of attribute schemas

Triggers: View service profile page.

SUCCEED_GET_ATTR_VALUE_SCHEMA_TYPE

ID: CONSOLE-2002

Level: INFO

Description: Getting attribute values of schema type of a service schema succeeded.

Data: name of service, name of schema type, name of attribute schemas

Triggers: View service profile page.

SSO_EXCEPTION_GET_ATTR_VALUE_SCHEMA_TYPE

ID: CONSOLE-2003

Level: SEVERE

Description: Getting attribute values of schema type of a service schema failed.

Data: name of service, name of schema type, name of attribute schemas, error message

Triggers: Unable to get attribute values of schema type of a service schema. It may be the single sign on token of the user has expired; or the user does not have permission to perform this operation.

Actions: Look under service management log for more information.

SMS_EXCEPTION_GET_ATTR_VALUE_SCHEMA_TYPE

ID: CONSOLE-2004

Level: SEVERE

Description: Getting attribute values of schema type of a service schema failed.

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

Data: name of service, name of schema type, name of attribute schemas, error message

Triggers: Unable to get attribute values of schema type of a service schema due to service management SDK related errors.

Actions: Look under service management log for more information.

NO_SCHEMA_GET_ATTR_VALUE_SCHEMA_TYPE

ID: CONSOLE-2005

Level: INFO

Description: Getting attribute values of schema type of a service schema failed.

Data: name of service, name of schema type, name of attribute schemas

Triggers: View service profile page.

Actions: Need no action on this event. Console attempts to get a schema from a service but schema does not exist.

ATTEMPT_GET_ATTR_VALUE_ATR_SCHEMA_SCHEMA_TYPE

ID: CONSOLE-2011

Level: INFO

Description: Attempt to get attribute values of attribute schema of a schema type of a service schema

Data: name of service, name of schema type, name of attribute schemas

Triggers: View service profile page.

SUCCEED_GET_ATTR_VALUE_ATR_SCHEMA_SCHEMA_TYPE

ID: CONSOLE-2012

Level: INFO

Description: Getting attribute values of attribute schema of a schema type of a service schema succeeded.

Data: name of service, name of schema type, name of attribute schemas

Triggers: View service profile page.

SSO_EXCEPTION_GET_ATTR_VALUE_ATR_SCHEMA_SCHEMA_TYPE

ID: CONSOLE-2013

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

Level: SEVERE

Description: Getting attribute values of attribute schema of a schema type of a service schema failed.

Data: name of service, name of schema type, name of attribute schemas, error message

Triggers: Unable to get attribute values of schema type of a service schema. It may be the single sign on token of the user has expired; or the user does not have permission to perform this operation.

Actions: Look under service management log for more information.

SMS_EXCEPTION_GET_ATTR_VALUE_ATR_SCHEMA_SCHEMA_TYPE

ID: CONSOLE-2014

Level: SEVERE

Description: Getting attribute values of attribute schema of a schema type of a service schema failed.

Data: name of service, name of schema type, name of attribute schemas, error message

Triggers: Unable to get attribute values of schema type of a service schema due to service management SDK related errors.

Actions: Look under service management log for more information.

ATTEMPT_SET_ATTR_VALUE_ATR_SCHEMA_SCHEMA_TYPE

ID: CONSOLE-2021

Level: INFO

Description: Attempt to modify attribute values of attribute schema of a schema type of a service schema

Data: name of service, name of schema type, name of attribute schemas

Triggers: Click on Save button in service profile page.

SUCCEED_SET_ATTR_VALUE_ATR_SCHEMA_SCHEMA_TYPE

ID: CONSOLE-2022

Level: INFO

Description: Modification attribute values of attribute schema of a schema type of a service schema succeeded.

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

Data: name of service, name of schema type, name of attribute schemas

Triggers: Click on Save button in service profile page.

SSO_EXCEPTION_SET_ATTR_VALUE_ATR_SCHEMA_SCHEMA_TYPE

ID: CONSOLE-2023

Level: SEVERE

Description: Modification attribute values of attribute schema of a schema type of a service schema failed.

Data: name of service, name of schema type, name of attribute schemas, error message

Triggers: Unable to modify attribute values of schema type of a service schema. It may be the single sign on token of the user has expired; or the user does not have permission to perform this operation.

Actions: Look under service management log for more information.

SMS_EXCEPTION_SET_ATTR_VALUE_ATR_SCHEMA_SCHEMA_TYPE

ID: CONSOLE-2024

Level: SEVERE

Description: Modification attribute values of attribute schema of a schema type of a service schema failed.

Data: name of service, name of schema type, name of attribute schemas, error message

Triggers: Unable to modify attribute values of schema type of a service schema due to service management SDK related errors.

Actions: Look under service management log for more information.

ATTEMPT_CLIENT_DETECTION_GET_DEVICE_NAMES

ID: CONSOLE-2501

Level: INFO

Description: Attempt to get device names of client detection service

Data: name of profile, name of style, search pattern

Triggers: View client profile page.

SUCCEED_CLIENT_DETECTION_GET_DEVICE_NAMES

ID: CONSOLE-2502

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

Level: INFO

Description: Getting device names of client detection service succeeded.

Data: name of profile, name of style, search pattern

Triggers: View client profile page.

ATTEMPT_CLIENT_DETECTION_DELETE_CLIENT

ID: CONSOLE-2511

Level: INFO

Description: Attempt to delete client in client detection service

Data: type of client

Triggers: Click on client type delete hyperlink page.

SUCCEED_CLIENT_DETECTION_DELETE_CLIENT

ID: CONSOLE-2512

Level: INFO

Description: Deletion of client in client detection service succeeded.

Data: type of client

Triggers: Click on client type delete hyperlink page.

CLIENT_SDK_EXCEPTION_CLIENT_DETECTION_DELETE_CLIENT

ID: CONSOLE-2513

Level: SEVERE

Description: Deletion of client in client detection service failed.

Data: type of client, error message

Triggers: Unable to delete client due to client detection SDK related errors.

Actions: Look under client detection management log for more information.

ATTEMPT_CLIENT_DETECTION_CREATE_CLIENT

ID: CONSOLE-2521

Level: INFO

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

Description: Attempt to create client in client detection service

Data: type of client

Triggers: Click on New button in Client Creation Page.

SUCCEED_CLIENT_DETECTION_CREATE_CLIENT

ID: CONSOLE-2522

Level: INFO

Description: Creation of client in client detection service succeeded.

Data: type of client

Triggers: Click on New button in Client Creation Page.

CLIENT_SDK_EXCEPTION_CLIENT_DETECTION_CREATE_CLIENT

ID: CONSOLE-2523

Level: SEVERE

Description: Creation of client in client detection service failed.

Data: type of client, error message

Triggers: Unable to create client due to client detection SDK related errors.

Actions: Look under client detection management log for more information.

INVALID_CLIENT_TYPE_CLIENT_DETECTION_CREATE_CLIENT

ID: CONSOLE-2524

Level: INFO

Description: Creation of client in client detection service failed.

Data: type of client, error message

Triggers: Unable to create client because client type is invalid.

Actions: Check the client type again before creation.

ATTEMPT_CLIENT_DETECTION_GET_CLIENT_PROFILE

ID: CONSOLE-2531

Level: INFO

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

Description: Attempt to get client profile in client detection service

Data: type of client, classification

Triggers: View client profile page.

SUCCEED_CLIENT_DETECTION_GET_CLIENT_PROFILE

ID: CONSOLE-2532

Level: INFO

Description: Getting of client profile in client detection service succeeded.

Data: type of client, classification

Triggers: View client profile page.

ATTEMPT_CLIENT_DETECTION_MODIFY_CLIENT_PROFILE

ID: CONSOLE-2541

Level: INFO

Description: Attempt to modify client profile in client detection service

Data: type of client

Triggers: Click on Save button client profile page.

SUCCEED_CLIENT_DETECTION_MODIFY_CLIENT_PROFILE

ID: CONSOLE-2542

Level: INFO

Description: Modification of client profile in client detection service succeeded.

Data: type of client

Triggers: Click on Save button client profile page.

CLIENT_SDK_EXCEPTION_CLIENT_DETECTION_CREATE_CLIENT

ID: CONSOLE-2543

Level: SEVERE

Description: Modification of client profile in client detection service failed.

Data: type of client, error message

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

Triggers: Unable to modify client profile due to client detection SDK related errors.

Actions: Look under client detection management log for more information.

ATTEMPT_GET_CURRENT_SESSIONS

ID: CONSOLE-3001

Level: INFO

Description: Attempt to get current sessions

Data: name of server, search pattern

Triggers: View session main page.

SUCCEED_GET_CURRENT_SESSIONS

ID: CONSOLE-3002

Level: INFO

Description: Getting of current sessions succeeded.

Data: name of server, search pattern

Triggers: View session main page.

SESSION_EXCEPTION_GET_CURRENT_SESSIONS

ID: CONSOLE-3003

Level: SEVERE

Description: Getting of current sessions failed.

Data: name of server, name of realm, error message

Triggers: Unable to get current sessions due to session SDK exception.

Actions: Look under session management log for more information.

ATTEMPT_INVALIDATE_SESSIONS

ID: CONSOLE-3011

Level: INFO

Description: Attempt to invalidate session

Data: name of server, ID of session

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

Triggers: Click on Invalidate button in session main page.

SUCCEED_INVALIDATE_SESSIONS

ID: CONSOLE-3012

Level: INFO

Description: Invalidation of session succeeded.

Data: name of server, ID of session

Triggers: Click on Invalidate button in session main page.

SESSION_EXCEPTION_INVALIDATE_SESSIONS

ID: CONSOLE-3013

Level: SEVERE

Description: Invalidation of session failed.

Data: name of server, ID of session, error message

Triggers: Unable to invalidate session due to session SDK exception.

Actions: Look under session management log for more information.

ATTEMPT_GET_SITE_NAMES

ID: CONSOLE-12001

Level: INFO

Description: Attempt to get site names

Data: server instance name

Triggers: View site and server management page.

SUCCEED_GET_SITE_NAMES

ID: CONSOLE-12002

Level: INFO

Description: Site names are returned.

Data: server instance name

Triggers: View site and server management page.

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

SSO_EXCEPTION_GET_SITE_NAMES

ID: CONSOLE-12003

Level: SEVERE

Description: Get site names.

Data: error message

Triggers: Unable to get site names. It may be the single sign on token of the user has expired; or the user does not have permission to perform this operation.

Actions: Look under access management SDK log for more information.

SMS_EXCEPTION_GET_SITE_NAMES

ID: CONSOLE-12004

Level: SEVERE

Description: Get site names.

Data: error message

Triggers: Unable to get site names due the SMS API error.

Actions: Look under service management SDK log for more information.

ATTEMPT_GET_SITE_PRIMARY_URL

ID: CONSOLE-12011

Level: INFO

Description: Attempt to get primary URL of site.

Data: Site Name

Triggers: View site profile page.

SUCCEED_GET_SITE_PRIMARY_URL

ID: CONSOLE-12012

Level: INFO

Description: Primary URL of site is returned.

Data: Site Name

Triggers: View site profile page.

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

SSO_EXCEPTION_GET_SITE_PRIMARY_URL

ID: CONSOLE-12013

Level: SEVERE

Description: Get primary URL of site.

Data: Site Name, error message

Triggers: Unable to get primary URL of site. It may be the single sign on token of the user has expired; or the user does not have permission to perform this operation.

Actions: Look under access management SDK log for more information.

SMS_EXCEPTION_GET_SITE_PRIMARY_URL

ID: CONSOLE-12014

Level: SEVERE

Description: Get primary URL of site.

Data: Site Name, error message

Triggers: Unable to get primary URL of site due the SMS API error.

Actions: Look under service management SDK log for more information.

ATTEMPT_GET_SITE_FAILOVER_URLS

ID: CONSOLE-12021

Level: INFO

Description: Attempt to get failover URLs of site.

Data: Site Name

Triggers: View site profile page.

SUCCEED_GET_SITE_FAILOVER_URLS

ID: CONSOLE-12022

Level: INFO

Description: Failover URLs of site is returned.

Data: Site Name

Triggers: View site profile page.

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

SSO_EXCEPTION_GET_SITE_FAILOVER_URLS

ID: CONSOLE-12023

Level: SEVERE

Description: Get failover URLs of site.

Data: Site Name, error message

Triggers: Unable to get failover URLs of site. It may be the single sign on token of the user has expired; or the user does not have permission to perform this operation.

Actions: Look under access management SDK log for more information.

SMS_EXCEPTION_GET_SITE_FAILOVER_URLS

ID: CONSOLE-12024

Level: SEVERE

Description: Get failover URLs of site.

Data: Site Name, error message

Triggers: Unable to get failover URLs of site due the SMS API error.

Actions: Look under service management SDK log for more information.

ATTEMPT_GET_SITE_MEMBERS

ID: CONSOLE-12031

Level: INFO

Description: Attempt to get members of site.

Data: Site Name

Triggers: View site profile page.

SUCCEED_GET_SITE_MEMBERS

ID: CONSOLE-12032

Level: INFO

Description: Members of site is returned.

Data: Site Name

Triggers: View site profile page.

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

SSO_EXCEPTION_GET_SITE_MEMBERS

ID: CONSOLE-12033

Level: SEVERE

Description: Get members of site.

Data: Site Name, error message

Triggers: Unable to get members of site. It may be the single sign on token of the user has expired; or the user does not have permission to perform this operation.

Actions: Look under access management SDK log for more information.

SMS_EXCEPTION_GET_SITE_MEMBERS

ID: CONSOLE-12034

Level: SEVERE

Description: Get members of site.

Data: Site Name, error message

Triggers: Unable to get members of site due the SMS API error.

Actions: Look under service management SDK log for more information.

ATTEMPT_CREATE_SITE

ID: CONSOLE-12041

Level: INFO

Description: Attempt to create site.

Data: Site Name

Triggers: View create site page.

SUCCEED_CREATE_SITE

ID: CONSOLE-12042

Level: INFO

Description: Site is created.

Data: Site Name

Triggers: Click on create button on creation page.

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

SSO_EXCEPTION_CREATE_SITE

ID: CONSOLE-12043

Level: SEVERE

Description: Create site.

Data: Site Name, error message

Triggers: Unable to create site. It may be the single sign on token of the user has expired; or the user does not have permission to perform this operation.

Actions: Look under access management SDK log for more information.

SMS_EXCEPTION_CREATE_SITE

ID: CONSOLE-12044

Level: SEVERE

Description: Create site.

Data: Site Name, error message

Triggers: Unable to create site due the SMS API error.

Actions: Look under service management SDK log for more information.

ATTEMPT_CREATE_SERVER

ID: CONSOLE-12051

Level: INFO

Description: Attempt to create server.

Data: Server Name

Triggers: View create server page.

SUCCEED_CREATE_SERVER

ID: CONSOLE-12052

Level: INFO

Description: Server is created.

Data: Server Name

Triggers: Click on create button on creation page.

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

SSO_EXCEPTION_CREATE_SERVER

ID: CONSOLE-12053

Level: SEVERE

Description: Create server.

Data: Server Name, error message

Triggers: Unable to create server. It may be the single sign on token of the user has expired; or the user does not have permission to perform this operation.

Actions: Look under access management SDK log for more information.

SMS_EXCEPTION_CREATE_SERVER

ID: CONSOLE-12054

Level: SEVERE

Description: Create server.

Data: Server Name, error message

Triggers: Unable to create server due the SMS API error.

Actions: Look under service management SDK log for more information.

CONFIGURATION_EXCEPTION_CREATE_SERVER

ID: CONSOLE-12055

Level: SEVERE

Description: Create server.

Data: Server Name, error message

Triggers: Unable to create server due the incorrect data format error.

Actions: Look under console log for more information.

IO_EXCEPTION_CREATE_SERVER

ID: CONSOLE-12056

Level: SEVERE

Description: Create server.

Data: Server Name, error message

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

Triggers: Unable to create server due the incorrect data format error.

Actions: Look under console log for more information.

ATTEMPT_DELETE_SITE

ID: CONSOLE-12061

Level: INFO

Description: Attempt to delete site.

Data: Site Name

Triggers: Click on delete site button.

SUCCEED_DELETE_SITE

ID: CONSOLE-12062

Level: INFO

Description: Site is deleted.

Data: Site Name

Triggers: Click on delete button.

SSO_EXCEPTION_DELETE_SITE

ID: CONSOLE-12063

Level: SEVERE

Description: Delete site.

Data: Site Name, error message

Triggers: Unable to delete site. It may be the single sign on token of the user has expired; or the user does not have permission to perform this operation.

Actions: Look under access management SDK log for more information.

SMS_EXCEPTION_DELETE_SITE

ID: CONSOLE-12064

Level: SEVERE

Description: Delete site.

Data: Site Name, error message

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

Triggers: Unable to delete site due the SMS API error.

Actions: Look under service management SDK log for more information.

ATTEMPT_MODIFY_SITE

ID: CONSOLE-12071

Level: INFO

Description: Attempt to modify site.

Data: Site Name

Triggers: Click on OK button in site profile page.

SUCCEED_MODIFY_SITE

ID: CONSOLE-12072

Level: INFO

Description: Site is nodified.

Data: Site Name

Triggers: Click on OK button in site profile page.

SSO_EXCEPTION_MODIFY_SITE

ID: CONSOLE-12073

Level: SEVERE

Description: Modify site.

Data: Site Name, error message

Triggers: Unable to modify site. It may be the single sign on token of the user has expired; or the user does not have permission to perform this operation.

Actions: Look under access management SDK log for more information.

SMS_EXCEPTION_MODIFY_SITE

ID: CONSOLE-12074

Level: SEVERE

Description: Modify site.

Data: Site Name, error message

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

Triggers: Unable to modify site due the SMS API error.

Actions: Look under service management SDK log for more information.

CONFIGURATION_EXCEPTION_MODIFY_SITE

ID: CONSOLE-12075

Level: SEVERE

Description: Modify site.

Data: Site Name, error message

Triggers: Unable to modify site due the incorrect data format.

Actions: Look under console log for more information.

ATTEMPT_GET_SERVER_NAMES

ID: CONSOLE-12081

Level: INFO

Description: Attempt to get server names.

Data: server instance name

Triggers: View site and server management page.

SUCCEED_GET_SERVER_NAMES

ID: CONSOLE-12082

Level: INFO

Description: Server names are returned.

Data: server instance name

Triggers: View site and server management page.

SSO_EXCEPTION_GET_SERVER_NAMES

ID: CONSOLE-12083

Level: SEVERE

Description: Get server name.

Data: error message

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

Triggers: Unable to get server names. It may be the single sign on token of the user has expired; or the user does not have permission to perform this operation.

Actions: Look under access management SDK log for more information.

SMS_EXCEPTION_GET_SERVER_NAMES

ID: CONSOLE-12084

Level: SEVERE

Description: Get server name.

Data: error message

Triggers: Unable to get server names due the SMS API error.

Actions: Look under service management SDK log for more information.

ATTEMPT_GET_SERVER_SITE

ID: CONSOLE-12091

Level: INFO

Description: Attempt to get server's site.

Data: Server Name

Triggers: View server profile page.

SUCCEED_GET_SERVER_SITE

ID: CONSOLE-12092

Level: INFO

Description: Server's site name is returned.

Data: Server Name

Triggers: View server profile page.

SSO_EXCEPTION_GET_SERVER_SITE

ID: CONSOLE-12093

Level: SEVERE

Description: Get server's site name.

Data: Server Name, error message

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

Triggers: Unable to get server's site. It may be the single sign on token of the user has expired; or the user does not have permission to perform this operation.

Actions: Look under access management SDK log for more information.

SMS_EXCEPTION_GET_SERVER_SITE

ID: CONSOLE-12094

Level: SEVERE

Description: Get server's site name.

Data: Server Name, error message

Triggers: Unable to get server's site due the SMS API error.

Actions: Look under service management SDK log for more information.

ATTEMPT_DELETE_SERVER

ID: CONSOLE-12101

Level: INFO

Description: Attempt to delete server.

Data: Server Name

Triggers: Click on delete button in server management page.

SUCCEED_DELETE_SERVER

ID: CONSOLE-12102

Level: INFO

Description: Server is delete.

Data: Server Name

Triggers: Click on delete button in server management page.

SSO_EXCEPTION_DELETE_SERVER

ID: CONSOLE-12103

Level: SEVERE

Description: Delete server.

Data: Server Name, error message

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

Triggers: Unable to delete server. It may be the single sign on token of the user has expired; or the user does not have permission to perform this operation.

Actions: Look under access management SDK log for more information.

SMS_EXCEPTION_DELETE_SERVER

ID: CONSOLE-12104

Level: SEVERE

Description: Delete server.

Data: Server Name, error message

Triggers: Unable to delete server due the SMS API error.

Actions: Look under service management SDK log for more information.

ATTEMPT_CLONE_SERVER

ID: CONSOLE-12201

Level: INFO

Description: Attempt to clone server.

Data: Server Name, Cloned Server Name

Triggers: Click on clone button in server management page.

SUCCEED_CLONE_SERVER

ID: CONSOLE-12202

Level: INFO

Description: Server is cloned.

Data: Server Name, Cloned Server Name

Triggers: Click on clone button in server management page.

SSO_EXCEPTION_CLONE_SERVER

ID: CONSOLE-12203

Level: SEVERE

Description: clone server.

Data: Server Name, Cloned Server Name, error message

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

Triggers: Unable to clone server. It may be the single sign on token of the user has expired; or the user does not have permission to perform this operation.

Actions: Look under access management SDK log for more information.

SMS_EXCEPTION_CLONE_SERVER

ID: CONSOLE-12204

Level: SEVERE

Description: clone server.

Data: Server Name, Cloned Server Name, error message

Triggers: Unable to clone server due the SMS API error.

Actions: Look under service management SDK log for more information.

CONFIGURATION_EXCEPTION_CLONE_SERVER

ID: CONSOLE-12205

Level: SEVERE

Description: clone server.

Data: Server Name, Cloned Server Name, error message

Triggers: Unable to clone server due the data format error.

Actions: Look under console log for more information.

ATTEMPT_GET_SERVER_CONFIG

ID: CONSOLE-12211

Level: INFO

Description: Attempt to get server's configuration.

Data: Server Name

Triggers: View server profile page.

SUCCEED_GET_SERVER_CONFIG

ID: CONSOLE-12212

Level: INFO

Description: Server's configuration is returned.

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

Data: Server Name

Triggers: View server profile page.

SSO_EXCEPTION_GET_SERVER_CONFIG

ID: CONSOLE-12213

Level: SEVERE

Description: Get server's configuration.

Data: Server Name, error message

Triggers: Unable to get server's configuration. It may be the single sign on token of the user has expired; or the user does not have permission to perform this operation.

Actions: Look under access management SDK log for more information.

SMS_EXCEPTION_GET_SERVER_CONFIG

ID: CONSOLE-12214

Level: SEVERE

Description: Get server's configuration.

Data: Server Name, error message

Triggers: Unable to get server's configuration due the SMS API error.

Actions: Look under service management SDK log for more information.

IO_EXCEPTION_GET_SERVER_CONFIG

ID: CONSOLE-12215

Level: SEVERE

Description: get server's configuration.

Data: Server Name, error message

Triggers: Unable to get server's configuration due the data parsing error.

Actions: Look under console log for more information.

ATTEMPT_GET_SERVER_DEFAULT_CONFIG

ID: CONSOLE-12221

Level: INFO

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

Description: Attempt to get server default configuration.

Data: server instance name

Triggers: View server profile page.

SUCCEED_GET_SERVER_DEFAULT_CONFIG

ID: CONSOLE-12222

Level: INFO

Description: Server default configuration is returned.

Data: server instance name

Triggers: View server profile page.

ATTEMPT_MODIFY_SERVER

ID: CONSOLE-12231

Level: INFO

Description: Attempt to modify server.

Data: Server Name

Triggers: Click on OK button in server profile page.

SUCCEED_MODIFY_SERVER

ID: CONSOLE-12232

Level: INFO

Description: Server is modified.

Data: Server Name

Triggers: Click on OK button in server profile page.

SSO_EXCEPTION_MODIFY_SERVER

ID: CONSOLE-12233

Level: SEVERE

Description: modify server.

Data: Server Name, error message

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

Triggers: Unable to modify server. It may be the single sign on token of the user has expired; or the user does not have permission to perform this operation.

Actions: Look under access management SDK log for more information.

SMS_EXCEPTION_MODIFY_SERVER

ID: CONSOLE-12234

Level: SEVERE

Description: modify server.

Data: Server Name, error message

Triggers: Unable to modify server due the SMS API error.

Actions: Look under service management SDK log for more information.

IO_EXCEPTION_MODIFY_SERVER

ID: CONSOLE-12235

Level: SEVERE

Description: modify server.

Data: Server Name, error message

Triggers: Unable to modify server due the data parsing error.

Actions: Look under console log for more information.

CONFIGURATION_EXCEPTION_MODIFY_SERVER

ID: CONSOLE-12236

Level: SEVERE

Description: modify server.

Data: Server Name, error message

Triggers: Unable to modify server due the incorrect data format error.

Actions: Look under console log for more information.

ATTEMPT_MODIFY_SERVER_INHERITANCE

ID: CONSOLE-12241

Level: INFO

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

Description: Attempt to modify server's inheritance.

Data: Server Name

Triggers: Click on OK button in server inheritance setting page.

SUCCEED_MODIFY_SERVER_INHERITANCE

ID: CONSOLE-12242

Level: INFO

Description: Server's inheritance setting is modified.

Data: Server Name

Triggers: Click on OK button in server inheritance setting page.

SSO_EXCEPTION_MODIFY_SERVER_INHERITANCE

ID: CONSOLE-12243

Level: SEVERE

Description: Modify server's inheritance.

Data: Server Name, error message

Triggers: Unable to modify server's inheritance. It may be the single sign on token of the user has expired; or the user does not have permission to perform this operation.

Actions: Look under access management SDK log for more information.

SMS_EXCEPTION_MODIFY_SERVER_INHERITANCE

ID: CONSOLE-12244

Level: SEVERE

Description: Modify server's inheritance.

Data: Server Name, error message

Triggers: Unable to modify server's inheritance due the SMS API error.

Actions: Look under service management SDK log for more information.

IO_EXCEPTION_MODIFY_SERVER_INHERITANCE

ID: CONSOLE-12245

Level: SEVERE

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

Description: modify server's inheritance.

Data: Server Name, error message

Triggers: Unable to modify server's inheritance due the data parsing error.

Actions: Look under console log for more information.

CONFIGURATION_EXCEPTION_MODIFY_SERVER_INHERITANCE

ID: CONSOLE-12246

Level: SEVERE

Description: modify server's inheritance.

Data: Server Name, error message

Triggers: Unable to modify server's inheritance due the incorrect data format error.

Actions: Look under console log for more information.

ATTEMPT_GET_SERVER_CONFIG_XML

ID: CONSOLE-12251

Level: INFO

Description: Attempt to get server's configuration XML.

Data: Server Name

Triggers: View server's server configuration XML profile page.

SUCCEED_GET_SERVER_CONFIG_XML

ID: CONSOLE-12252

Level: INFO

Description: Server's configuration XML is returned.

Data: Server Name

Triggers: View server's server configuration XML profile page.

SSO_EXCEPTION_GET_SERVER_CONFIG_XML

ID: CONSOLE-12253

Level: SEVERE

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

Description: Get server's configuration XML.

Data: Server Name, error message

Triggers: Unable to get server's configuration XML. It may be the single sign on token of the user has expired; or the user does not have permission to perform this operation.

Actions: Look under access management SDK log for more information.

SMS_EXCEPTION_GET_SERVER_CONFIG_XML

ID: CONSOLE-12254

Level: SEVERE

Description: sGget server's configuration XML.

Data: Server Name, error message

Triggers: Unable to get server's configuration XML due the SMS API error.

Actions: Look under service management SDK log for more information.

GENERIC_EXCEPTION_GET_SERVER_CONFIG_XML

ID: CONSOLE-12255

Level: SEVERE

Description: sGget server's configuration XML.

Data: Server Name, error message

Triggers: Unable to get server's configuration XML due the data parsing error.

Actions: Look under console log for more information.

ATTEMPT_SET_SERVER_CONFIG_XML

ID: CONSOLE-12261

Level: INFO

Description: Attempt to set server's configuration XML.

Data: Server Name

Triggers: Click on OK button in server's server configuration XML profile page.

SUCCEED_SET_SERVER_CONFIG_XML

ID: CONSOLE-12262

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

Level: INFO

Description: Server's configuration XML is modified.

Data: Server Name

Triggers: Click on OK button in server's server configuration XML profile page.

SSO_EXCEPTION_SET_SERVER_CONFIG_XML

ID: CONSOLE-12263

Level: SEVERE

Description: set server's configuration XML.

Data: Server Name, error message

Triggers: Unable to set server's configuration XML. It may be the single sign on token of the user has expired; or the user does not have permission to perform this operation.

Actions: Look under access management SDK log for more information.

SMS_EXCEPTION_SET_SERVER_CONFIG_XML

ID: CONSOLE-12264

Level: SEVERE

Description: sGset server's configuration XML.

Data: Server Name, error message

Triggers: Unable to set server's configuration XML due the SMS API error.

Actions: Look under service management SDK log for more information.

ATTEMPT_SEARCH_AGENT

ID: CONSOLE-13001

Level: INFO

Description: Attempt to search for agents

Data: base realm, agent type, search pattern, search size limit, search time limit

Triggers: Click on Search button in agent search view.

SUCCEED_SEARCH_AGENT

ID: CONSOLE-13002

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

Level: INFO

Description: Searching for agents succeeded

Data: base realm, agent type, search pattern, search size limit, search time limit

Triggers: Click on Search button in agent search view.

EXCEPTION_SEARCH_AGENT

ID: CONSOLE-13003

Level: SEVERE

Description: Searching for agents failed

Data: base realm, agent type, search pattern, search size limit, search time limit, error message

Triggers: Unable to perform search operation on agents under a realm. It may be the single sign on token of the user has expired; or the user does not have permission to perform this operation.

Actions: Look under data store log for more information.

ATTEMPT_DELETE_AGENT

ID: CONSOLE-13011

Level: INFO

Description: Attempt to delete agents

Data: base realm, agent names

Triggers: Click on Delete button in agent home page.

SUCCEED_DELETE_AGENT

ID: CONSOLE-13012

Level: INFO

Description: Agents are deleted

Data: base realm, agent names

Triggers: Click on Delete button in agent home page.

EXCEPTION_DELETE_AGENT

ID: CONSOLE-13013

Level: SEVERE

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

Description: Deletion of agents failed

Data: base realm, agent names, error message

Triggers: Unable to perform delete operation on agents under a realm. It may be the single sign on token of the user has expired; or the user does not have permission to perform this operation.

Actions: Look under data store log for more information.

ATTEMPT_SEARCH_AGENT_GROUP

ID: CONSOLE-13021

Level: INFO

Description: Attempt to search for agent groups

Data: base realm, agent type, search pattern, search size limit, search time limit

Triggers: Click on Search button in agent search view.

SUCCEED_SEARCH_AGENT_GROUP

ID: CONSOLE-13022

Level: INFO

Description: Searching for agent groups succeeded

Data: base realm, agent type, search pattern, search size limit, search time limit

Triggers: Click on Search button in agent search view.

EXCEPTION_SEARCH_AGENT_GROUP

ID: CONSOLE-13023

Level: SEVERE

Description: Searching for agent groups failed

Data: base realm, agent type, search pattern, search size limit, search time limit, error message

Triggers: Unable to perform search operation on agent groups under a realm. It may be the single sign on token of the user has expired; or the user does not have permission to perform this operation.

Actions: Look under data store log for more information.

ATTEMPT_DELETE_AGENT_GROUP

ID: CONSOLE-13031

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

Level: INFO

Description: Attempt to delete agent groups

Data: base realm, agent group names

Triggers: Click on Delete button in agent home page.

SUCCEED_DELETE_AGENT_GROUP

ID: CONSOLE-13032

Level: INFO

Description: Agent groups are deleted

Data: base realm, agent group names

Triggers: Click on Delete button in agent home page.

EXCEPTION_DELETE_AGENT_GROUP

ID: CONSOLE-13033

Level: SEVERE

Description: Deletion of agent groups failed

Data: base realm, agent group names, error message

Triggers: Unable to perform delete operation on agents under a realm. It may be the single sign on token of the user has expired; or the user does not have permission to perform this operation.

Actions: Look under data store log for more information.

ATTEMPT_CREATE_AGENT

ID: CONSOLE-13041

Level: INFO

Description: Attempt to create agent

Data: base realm, agent name, agent type

Triggers: Click on New button in agent home page.

SUCCEED_CREATE_AGENT

ID: CONSOLE-13042

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

Level: INFO

Description: Agent is created

Data: base realm, agent name, agent type

Triggers: Click on New button in agent home page.

EXCEPTION_CREATE_AGENT

ID: CONSOLE-13043

Level: SEVERE

Description: Creation of agent failed

Data: base realm, agent name, agent type, error message

Triggers: Unable to perform create agent. It may be the single sign on token of the user has expired; or the user does not have permission to perform this operation.

Actions: Look under data store log for more information.

ATTEMPT_CREATE_AGENT_GROUP

ID: CONSOLE-13051

Level: INFO

Description: Attempt to create agent group

Data: base realm, agent group name, agent type

Triggers: Click on New button in agent home page.

SUCCEED_CREATE_AGENT_GROUP

ID: CONSOLE-13052

Level: INFO

Description: Agent group is created

Data: base realm, agent group name, agent type

Triggers: Click on New button in agent home page.

EXCEPTION_CREATE_AGENT_GROUP

ID: CONSOLE-13053

Level: SEVERE

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

Description: Creation of agent group failed

Data: base realm, agent group name, agent type, error message

Triggers: Unable to perform create agent group. It may be the single sign on token of the user has expired; or the user does not have permission to perform this operation.

Actions: Look under data store log for more information.

ATTEMPT_GET_AGENT_ATTRIBUTE_VALUES

ID: CONSOLE-13061

Level: INFO

Description: Attempt to get agent attribute values

Data: agent universal Id

Triggers: Visit agent profile page.

SUCCEED_GET_AGENT_ATTRIBUTE_VALUES

ID: CONSOLE-13062

Level: INFO

Description: Agent attribute values is retrieved.

Data: agent universal Id

Triggers: Visit agent profile page.

EXCEPTION_GET_AGENT_ATTRIBUTE_VALUES

ID: CONSOLE-13063

Level: SEVERE

Description: Unable to get agent attribute values

Data: agent universal Id, error message

Triggers: Unable to perform get agent attribute values. It may be the single sign on token of the user has expired; or the user does not have permission to perform this operation.

Actions: Look under data store log for more information.

ATTEMPT_SET_AGENT_ATTRIBUTE_VALUE

ID: CONSOLE-13071

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

Level: INFO

Description: Attempt to set agent attribute values

Data: agent universal Id

Triggers: Click on save button in agent profile page.

SUCCEED_SET_AGENT_ATTRIBUTE_VALUE

ID: CONSOLE-13072

Level: INFO

Description: Agent attribute values set successfully

Data: agent universal Id

Triggers: Click on save button in agent profile page.

EXCEPTION_SET_AGENT_ATTRIBUTE_VALUE

ID: CONSOLE-13073

Level: SEVERE

Description: Unable to set agent attribute values

Data: agent universal Id, error message

Triggers: Unable to perform set agent attribute values. It may be the single sign on token of the user has expired; or the user does not have permission to perform this operation.

Actions: Look under data store log for more information.

ATTEMPT_GET_ATTR_VALUES_OF_SESSION_HA_PROPERTIES

ID: CONSOLE-13074

Level: INFO

Description: Attempt to read session HA properties

Data: name of attribute

Triggers: Click on Save button in session profile page.

SUCCEED_GET_ATTR_VALUES_OF_SESSION_HA_PROPERTIES

ID: CONSOLE-13075

Level: INFO

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

Description: Read Access of session HA properties succeeded.

Data: name of attribute

Triggers: Click on Save button in session profile page.

SMS_EXCEPTION_GET_ATTR_VALUES_OF_SESSION_HA_PROPERTIES

ID: CONSOLE-13076

Level: SEVERE

Description: Read Access of session HA properties failed.

Data: name of attribute, error message

Triggers: Unable to modify session HA properties due to service management SDK exception.

Actions: Look under service management log for more information.

ATTEMPT_SET_ATTR_VALUES_OF_SESSION_HA_PROPERTIES

ID: CONSOLE-13077

Level: INFO

Description: Attempt to modify session HA properties

Data: name of attribute

Triggers: Click on Save button in session profile page.

SUCCEED_SET_ATTR_VALUES_OF_SESSION_HA_PROPERTIES

ID: CONSOLE-13078

Level: INFO

Description: Modification of session HA properties succeeded.

Data: name of attribute

Triggers: Click on Save button in session profile page.

SMS_EXCEPTION_SET_ATTR_VALUES_OF_SESSION_HA_PROPERTIES

ID: CONSOLE-13079

Level: SEVERE

Description: Modification of session HA properties failed.

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

Data: name of attribute, error message

Triggers: Unable to modify session HA properties due to service management SDK exception.

Actions: Look under service management log for more information.

ATTEMPT_GET_AFFILIATION_ATTR_VALUES

ID: CONSOLE-13101

Level: INFO

Description: Attempt to get attribute values of an affiliation.

Data: descriptor realm, descriptor name, descriptor protocol, descriptor type

Triggers: View SAMLv2 Affiliate page.

SUCCEED_GET_AFFILIATION_ATTR_VALUES

ID: CONSOLE-13102

Level: INFO

Description: Getting attribute values of affiliation succeeded.

Data: descriptor realm, descriptor name, descriptor protocol, descriptor type

Triggers: View SAMLv2 Affiliate page.

FEDERATION_EXCEPTION_GET_AFFILIATION_ATTR_VALUES

ID: CONSOLE-13103

Level: SEVERE

Description: Getting attribute values of affiliation failed.

Data: descriptor realm, descriptor name, descriptor protocol, descriptor type, error message

Triggers: Unable to get attribute values of affiliation due to federation SDK related errors.

Actions: Look under federation log for more information.

ATTEMPT_MODIFY_AFFILIATION_ATTR_VALUES

ID: CONSOLE-13111

Level: INFO

Description: Attempt to modify affiliation.

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

Data: descriptor realm, descriptor name, descriptor protocol, descriptor type

Triggers: Click on Save button in SAMLv2 Affiliate page.

SUCCEED_MODIFY_AFFILIATION_ATTR_VALUES

ID: CONSOLE-13112

Level: INFO

Description: Modification of affiliation succeeded.

Data: descriptor realm, descriptor name, descriptor protocol, descriptor type

Triggers: Click on Save button in SAMLv2 Affiliate page.

FEDERATION_EXCEPTION_MODIFY_AFFILIATION_ATTR_VALUES

ID: CONSOLE-13113

Level: SEVERE

Description: Modification of affiliation failed.

Data: descriptor realm, descriptor name, descriptor protocol, descriptor type, error message

Triggers: Unable to modify affiliation due to federation SDK related errors.

Actions: Look under federation log for more information.

ATTEMPT_GET_ATTR_AUTH_ATTR_VALUES

ID: CONSOLE-13121

Level: INFO

Description: Attempt to get attribute values of an attribute authority.

Data: descriptor realm, descriptor name, descriptor protocol, descriptor type

Triggers: View SAMLv2 AttrAuthority page.

SUCCEED_GET_ATTR_AUTH_ATTR_VALUES

ID: CONSOLE-13122

Level: INFO

Description: Getting attribute values of attribute authority succeeded.

Data: descriptor realm, descriptor name, descriptor protocol, descriptor type

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

Triggers: View SAMLv2 AttrAuthority page.

FEDERATION_EXCEPTION_GET_ATTR_AUTH_ATTR_VALUES

ID: CONSOLE-13123

Level: SEVERE

Description: Getting attribute values of attribute authority failed.

Data: descriptor realm, descriptor name, descriptor protocol, descriptor type, error message

Triggers: Unable to get attribute values of attribute authority due to federation SDK related errors.

Actions: Look under federation log for more information.

ATTEMPT_MODIFY_ATTR_AUTH_ATTR_VALUES

ID: CONSOLE-13131

Level: INFO

Description: Attempt to modify attribute authority.

Data: descriptor realm, descriptor name, descriptor protocol, descriptor type

Triggers: Click on Save button in SAMLv2 AttrAuthority page.

SUCCEED_MODIFY_ATTR_AUTH_ATTR_VALUES

ID: CONSOLE-13132

Level: INFO

Description: Modification of attribute authority succeeded.

Data: descriptor realm, descriptor name, descriptor protocol, descriptor type

Triggers: Click on Save button in SAMLv2 AttrAuthority page.

FEDERATION_EXCEPTION_MODIFY_ATTR_AUTH_ATTR_VALUES

ID: CONSOLE-13133

Level: SEVERE

Description: Modification of attribute authority failed.

Data: descriptor realm, descriptor name, descriptor protocol, descriptor type, error message

Triggers: Unable to modify attribute authority due to federation SDK related errors.

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

Actions: Look under federation log for more information.

ATTEMPT_GET_ATTR_QUERY_ATTR_VALUES

ID: CONSOLE-13141

Level: INFO

Description: Attempt to get attribute values of an attribute query.

Data: descriptor realm, descriptor name, descriptor protocol, descriptor type

Triggers: View SAMLv2 AttrQuery page.

SUCCEED_GET_ATTR_QUERY_ATTR_VALUES

ID: CONSOLE-13142

Level: INFO

Description: Getting attribute values of attribute query succeeded.

Data: descriptor realm, descriptor name, descriptor protocol, descriptor type

Triggers: View SAMLv2 AttrQuery page.

FEDERATION_EXCEPTION_GET_ATTR_QUERY_ATTR_VALUES

ID: CONSOLE-13143

Level: SEVERE

Description: Getting attribute values of attribute query failed.

Data: descriptor realm, descriptor name, descriptor protocol, descriptor type, error message

Triggers: Unable to get attribute values of attribute query due to federation SDK related errors.

Actions: Look under federation log for more information.

ATTEMPT_MODIFY_ATTR_QUERY_ATTR_VALUES

ID: CONSOLE-13151

Level: INFO

Description: Attempt to modify attribute query.

Data: descriptor realm, descriptor name, descriptor protocol, descriptor type

Triggers: Click on Save button in SAMLv2 AttrQuery page.

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

SUCCEED_MODIFY_ATTR_QUERY_ATTR_VALUES

ID: CONSOLE-13152

Level: INFO

Description: Modification of attribute query succeeded.

Data: descriptor realm, descriptor name, descriptor protocol, descriptor type

Triggers: Click on Save button in SAMLv2 AttrQuery page.

FEDERATION_EXCEPTION_MODIFY_ATTR_QUERY_ATTR_VALUES

ID: CONSOLE-13153

Level: SEVERE

Description: Modification of attribute query failed.

Data: descriptor realm, descriptor name, descriptor protocol, descriptor type, error message

Triggers: Unable to modify attribute query due to federation SDK related errors.

Actions: Look under federation log for more information.

ATTEMPT_GET_AUTHN_AUTH_ATTR_VALUES

ID: CONSOLE-13161

Level: INFO

Description: Attempt to get attribute values of an authn authority.

Data: descriptor realm, descriptor name, descriptor protocol, descriptor type

Triggers: View SAMLv2 AuthnAuthority page.

SUCCEED_GET_AUTHN_AUTH_ATTR_VALUES

ID: CONSOLE-13162

Level: INFO

Description: Getting attribute values of authn authority succeeded.

Data: descriptor realm, descriptor name, descriptor protocol, descriptor type

Triggers: View SAMLv2 AuthnAuthority page.

FEDERATION_EXCEPTION_GET_AUTHN_AUTH_ATTR_VALUES

ID: CONSOLE-13163

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

Level: SEVERE

Description: Getting attribute values of authn authority failed.

Data: descriptor realm, descriptor name, descriptor protocol, descriptor type, error message

Triggers: Unable to get attribute values of authn authority due to federation SDK related errors.

Actions: Look under federation log for more information.

ATTEMPT_MODIFY_AUTHN_AUTH_ATTR_VALUES

ID: CONSOLE-13171

Level: INFO

Description: Attempt to modify authn authority.

Data: descriptor realm, descriptor name, descriptor protocol, descriptor type

Triggers: Click on Save button in SAMLv2 AuthnAuthority page.

SUCCEED_MODIFY_AUTHN_AUTH_ATTR_VALUES

ID: CONSOLE-13172

Level: INFO

Description: Modification of authn authority succeeded.

Data: descriptor realm, descriptor name, descriptor protocol, descriptor type

Triggers: Click on Save button in SAMLv2 AuthnAuthority page.

FEDERATION_EXCEPTION_MODIFY_AUTHN_AUTH_ATTR_VALUES

ID: CONSOLE-13173

Level: SEVERE

Description: Modification of authn authority failed.

Data: descriptor realm, descriptor name, descriptor protocol, descriptor type, error message

Triggers: Unable to modify authn authority due to federation SDK related errors.

Actions: Look under federation log for more information.

ATTEMPT_GET_METAALIAS

ID: CONSOLE-13181

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

Level: INFO

Description: Attempt to get a meta alias.

Data: descriptor realm, descriptor name, descriptor protocol, descriptor type

Triggers: View SAMLv2 IDP Services page.

SUCCEED_GET_METAALIAS

ID: CONSOLE-13182

Level: INFO

Description: Getting meta alias succeeded.

Data: descriptor realm, descriptor name, descriptor protocol, descriptor type

Triggers: View SAMLv2 IDP Services page.

FEDERATION_EXCEPTION_GET_METAALIAS

ID: CONSOLE-13183

Level: SEVERE

Description: Getting meta alias failed.

Data: descriptor realm, descriptor name, descriptor protocol, descriptor type, error message

Triggers: Unable to get meta alias due to federation SDK related errors.

Actions: Look under federation log for more information.

OpenAM logs the following CORETOKEN messages.

TOKEN_CREATE_SUCCESS

ID: CORETOKEN-1

Level: INFO

Description: Creating a token succeeded

Data: token type, token subject, token attribute names

Triggers: Create token

TOKEN_READ_SUCCESS

ID: CORETOKEN-2

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

Level: INFO

Description: Retrieving a token succeeded

Data: token type, token subject

Triggers: Read token

TOKEN_UPDATE_SUCCESS

ID: CORETOKEN-3

Level: INFO

Description: Updating a token succeeded

Data: names of attributes updated

Triggers: Update token

TOKEN_SEARCH_SUCCESS

ID: CORETOKEN-4

Level: INFO

Description: Searching tokens succeeded

Data: query, number of entries returned

Triggers: Search token

TOKEN_DELETE_SUCCESS

ID: CORETOKEN-5

Level: INFO

Description: Removing a token succeeded

Triggers: Delete token

EXPIRED_TOKEN_DELETE_SUCCESS

ID: CORETOKEN-6

Level: INFO

Description: Removing an expired token succeeded

Triggers: Token expired

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

UNABLE_TO_CREATE_TOKEN

ID: CORETOKEN-7

Level: INFO

Description: Creating a token failed

Data: error message, token type, token subject, token attribute names

Triggers: Create token

UNABLE_TO_READ_TOKEN

ID: CORETOKEN-8

Level: INFO

Description: Retrieving a token failed

Data: error message

Triggers: Read token

UNABLE_TO_UPDATE_TOKEN

ID: CORETOKEN-9

Level: INFO

Description: Updating a token failed

Data: error message

Triggers: Update token

UNABLE_TO_SEARCH_TOKEN

ID: CORETOKEN-10

Level: INFO

Description: Searching tokens failed

Data: query, error message

Triggers: Search Token

UNABLE_TO_DELETE_TOKEN

ID: CORETOKEN-11

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

Level: INFO

Description: Removing a token failed

Data: error message

Triggers: Delete token

OpenAM logs the following ENTITLEMENT messages.

ATTEMPT_ADD_PRIVILEGE

ID: ENTITLEMENT-1

Level: INFO

Description: Attempt to add privilege.

Data: realm, privilege name

Triggers: Add privilege API is called.

SUCCEEDED_ADD_PRIVILEGE

ID: ENTITLEMENT-2

Level: INFO

Description: Privilege is added.

Data: realm, privilege name

Triggers: Add privilege API is called.

FAILED_ADD_PRIVILEGE

ID: ENTITLEMENT-3

Level: INFO

Description: Failed to add privilege.

Data: realm, privilege name, error message

Triggers: Add privilege API is called.

Actions: Privilege might already exists.; Administrator might not have the permission to add privilege.

ATTEMPT_ADD_REFERRAL

ID: ENTITLEMENT-11

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

Level: INFO

Description: Attempt to add referral privilege.

Data: realm, privilege name

Triggers: Add referral privilege API is called.

SUCCEEDED_ADD_REFERRAL

ID: ENTITLEMENT-12

Level: INFO

Description: Referral Privilege is added.

Data: realm, privilege name

Triggers: Add referral privilege API is called.

FAILED_ADD_REFERRAL

ID: ENTITLEMENT-13

Level: INFO

Description: Failed to add referral privilege.

Data: realm, privilege name, error message

Triggers: Add referral privilege API is called.

Actions: Privilege might already exists.; Administrator might not have the permission to add referral privilege.

ATTEMPT_REMOVE_PRIVILEGE

ID: ENTITLEMENT-21

Level: INFO

Description: Attempt to remove privilege.

Data: realm, privilege name

Triggers: Remove privilege API is called.

SUCCEEDED_REMOVE_PRIVILEGE

ID: ENTITLEMENT-22

Level: INFO

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

Description: Privilege is removed.

Data: realm, privilege name

Triggers: Removed privilege API is called.

FAILED_REMOVE_PRIVILEGE

ID: ENTITLEMENT-23

Level: INFO

Description: Failed to removed privilege.

Data: realm, privilege name, error message

Triggers: Removed privilege API is called.

Actions: Administrator might not have the permission to remove privilege.

ATTEMPT_REMOVE_REFERRAL

ID: ENTITLEMENT-31

Level: INFO

Description: Attempt to remove referral privilege.

Data: realm, privilege name

Triggers: Remove referral privilege API is called.

SUCCEEDED_REMOVE_REFERRAL

ID: ENTITLEMENT-32

Level: INFO

Description: Referral privilege is removed.

Data: realm, privilege name

Triggers: Removed referral privilege API is called.

FAILED_REMOVE_REFERRAL

ID: ENTITLEMENT-33

Level: INFO

Description: Failed to removed referral privilege.

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

Data: realm, privilege name, error message

Triggers: Removed referral privilege API is called.

Actions: Administrator might not have the permission to remove privilege.

ATTEMPT_SAVE_APPLICATION

ID: ENTITLEMENT-101

Level: INFO

Description: Attempt to save application.

Data: realm, application name

Triggers: Save application API is called.

SUCCEEDED_SAVE_APPLICATION

ID: ENTITLEMENT-102

Level: INFO

Description: Application is saved.

Data: realm, application name

Triggers: Save application API is called.

FAILED_SAVE_APPLICATION

ID: ENTITLEMENT-103

Level: INFO

Description: Failed to save application.

Data: realm, application name, error message

Triggers: Save application API is called.

Actions: Administrator might not have the permission to save application.

ATTEMPT_REMOVE_APPLICATION

ID: ENTITLEMENT-111

Level: INFO

Description: Attempt to remove application.

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

Data: realm, application name

Triggers: Remove application API is called.

SUCCEEDED_REMOVE_APPLICATION

ID: ENTITLEMENT-112

Level: INFO

Description: Application is removed.

Data: realm, application name

Triggers: Remove application API is called.

FAILED_REMOVE_APPLICATION

ID: ENTITLEMENT-113

Level: INFO

Description: Failed to remove application.

Data: realm, application name, error message

Triggers: Remove application API is called.

Actions: Administrator might not have the permission to remove application.

ATTEMPT_SAVE_RESOURCE_TYPE

ID: ENTITLEMENT-40

Level: INFO

Description: Attempt to save resource type.

Data: realm, resource type name

Triggers: Save resource type API is called.

SUCCEEDED_SAVE_RESOURCE_TYPE

ID: ENTITLEMENT-41

Level: INFO

Description: Resource type is saved.

Data: realm, resource type name

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

Triggers: Save resource type API is called.

FAILED_SAVE_RESOURCE_TYPE

ID: ENTITLEMENT-42

Level: INFO

Description: Failed to save resource type.

Data: realm, resource type name, error message

Triggers: Save resource type API is called.

Actions: Administrator might not have the permission to save resource type.

ATTEMPT_REMOVE_RESOURCE_TYPE

ID: ENTITLEMENT-43

Level: INFO

Description: Attempt to remove resource type.

Data: realm, resource type name

Triggers: Remove resource type API is called.

SUCCEEDED_REMOVE_RESOURCE_TYPE

ID: ENTITLEMENT-44

Level: INFO

Description: Resource type is removed.

Data: realm, resource type name

Triggers: Remove resource type API is called.

FAILED_REMOVE_RESOURCE_TYPE

ID: ENTITLEMENT-45

Level: INFO

Description: Failed to remove resource type.

Data: realm, resource type name, error message

Triggers: Remove resource type API is called.

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

Actions: Administrator might not have the permission to remove resource type.

OpenAM logs the following LOG messages.

LOG_START_NEW_LOGGER

ID: LOG-1

Level: INFO

Description: Logging Started - New Logger

Data: current location

Triggers: Logging started by getting a new Logger.

LOG_END

ID: LOG-2

Level: INFO

Description: Logging Terminated - Server Stopped

Data: current location

Triggers: Logging terminated by server shutdown.

LOG_START_CONFIG

ID: LOG-3

Level: INFO

Description: Logging Started - Configuration Change

Data: old location, new location, old backend, new backend, old security status, new security status, old status, new status, old level, new level

Triggers: Logging started after logging configuration change.

LOG_END_CONFIG

ID: LOG-4

Level: INFO

Description: Logging Terminated - Configuration Change

Data: old location, new location, old backend, new backend, old security status, new security status, old status, new status, old level, new level

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

Triggers: Logging terminated by logging configuration change.

OpenAM logs the following OAuth2Provider messages.

CREATED_TOKEN

ID: OAuth2Provider-1

Level: INFO

Description: Created an oauth 2.0 token

Data: message, token info

Triggers: Created a new oauth 2.0 token

DELETED_TOKEN

ID: OAuth2Provider-2

Level: INFO

Description: Deleted an oauth 2.0 token

Data: message, token info

Triggers: Deleted an oauth 2.0 token

FAILED_CREATE_TOKEN

ID: OAuth2Provider-3

Level: INFO

Description: Failed to creating an oauth 2.0 token

Data: message, token info

Triggers: Failed creating an oauth 2.0 token

FAILED_DELETE_TOKEN

ID: OAuth2Provider-4

Level: INFO

Description: Failed deleting an oauth 2.0 token

Data: message, token info

Triggers: Failed deleting an oauth 2.0 token

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

CREATED_REFRESH_TOKEN

ID: OAuth2Provider-5

Level: INFO

Description: Created an oauth 2.0 refresh token

Data: message, token info

Triggers: Created an oauth 2.0 refresh token

FAILED_CREATE_REFRESH_TOKEN

ID: OAuth2Provider-6

Level: INFO

Description: Failed creating an oauth 2.0 refresh token

Data: message, token info

Triggers: Failed creating an oauth 2.0 refresh token

CREATED_AUTHORIZATION_CODE

ID: OAuth2Provider-7

Level: INFO

Description: Created an oauth 2.0 authorization code

Data: message, token info

Triggers: Created an oauth 2.0 authorization code refresh token

FAILED_CREATE_AUTHORIZATION_CODE

ID: OAuth2Provider-8

Level: INFO

Description: Failed creating an oauth 2.0 authorization code

Data: message, token info

Triggers: Failed creating an oauth 2.0 authorization code

FAILED_UPDATE_AUTHORIZATION_CODE

ID: OAuth2Provider-9

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

Level: INFO

Description: Failed updating an oauth 2.0 authorization code

Data: message, token info

Triggers: Failed updating an oauth 2.0 authorization code

CREATED_CLIENT

ID: OAuth2Provider-11

Level: INFO

Description: Created an oauth 2.0 Client

Data: message, token info

Triggers: Created a new oauth 2.0 client

DELETED_CLIENT

ID: OAuth2Provider-12

Level: INFO

Description: Deleted an oauth 2.0 client

Data: message, token info

Triggers: Deleted an oauth 2.0 client

FAILED_CREATE_CLIENT

ID: OAuth2Provider-13

Level: INFO

Description: Failed to creating an oauth 2.0 client

Triggers: Failed creating an oauth 2.0 client

FAILED_DELETE_CLIENT

ID: OAuth2Provider-14

Level: INFO

Description: Failed deleting an oauth 2.0 client

Triggers: Failed deleting an oauth 2.0 client

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

AUTHENTICATED_CLIENT

ID: OAuth2Provider-15

Level: INFO

Description: Authenticated an oauth 2.0 client

Data: client id

Triggers: Authenticated an oauth 2.0 client

FAILED_AUTHENTICATE_CLIENT

ID: OAuth2Provider-16

Level: INFO

Description: Failed authenticating an oauth 2.0 client

Data: client id

Triggers: Failed authenticating an oauth 2.0 client

UPDATED_AUTHORIZATION_CODE

ID: OAuth2Provider-17

Level: INFO

Description: Updated an OAuth2 authorization code

Data: message, token info

Triggers: Updated an OAuth2 authorization code

OpenAM logs the following POLICY messages.

POLICY_EVALUATION

ID: POLICY-1

Level: INFO

Description: Evaluating policy succeeded

Data: policy name, realm name, service type name, resource name, action names, policy decision

Triggers: Evaluating policy.

PROTECTED_RESOURCES

ID: POLICY-2

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

Level: INFO

Description: Getting protected policy resources succeeded

Data: principal name, resource name, protecting policies

Triggers: Getting protected policy resources.

POLICY_CREATE_SUCCESS

ID: POLICY-3

Level: INFO

Description: Creating policy in a realm succeeded

Data: policy name, realm name

Triggers: Creating policy in a realm.

POLICY_MODIFY_SUCCESS

ID: POLICY-4

Level: INFO

Description: Modifying policy in a realm succeeded

Data: policy name, realm name

Triggers: Modifying policy in a realm.

POLICY_REMOVE_SUCCESS

ID: POLICY-5

Level: INFO

Description: Removing policy from a realm succeeded

Data: policy name, realm name

Triggers: Removing policy from a realm.

POLICY_ALREADY_EXISTS_IN_REALM

ID: POLICY-6

Level: INFO

Description: Policy already exists in the realm

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

Data: policy name, realm name

Triggers: Creating policy in the realm.

UNABLE_TO_ADD_POLICY

ID: POLICY-7

Level: INFO

Description: Creating policy in a realm failed

Data: policy name, realm name

Triggers: Creating policy in a realm.

Actions: Check if the user has privilege to create a policy in the realm.

UNABLE_TO_REPLACE_POLICY

ID: POLICY-8

Level: INFO

Description: Replacing policy in a realm failed

Data: policy name, realm name

Triggers: Replacing policy in a realm.

Actions: Check if the user has privilege to replace a policy in the realm.

DID_NOT_REPLACE_POLICY

ID: POLICY-81

Level: INFO

Description: Did not replace policy - A diifferent policy with the new name already exists in the realm

Data: new policy name, realm name

Triggers: Replacing policy in a realm

UNABLE_TO_REMOVE_POLICY

ID: POLICY-9

Level: INFO

Description: Removing policy from a realm failed

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

Data: policy name, realm name

Triggers: Removing policy from a realm.

Actions: Check if the user has privilege to remove a policy from the realm.

PROXIED_POLICY_EVALUATION

ID: POLICY-10

Level: INFO

Description: Computing policy decision by an administrator succeeded

Data: admin name, principal name, resource name, policy decision

Triggers: Computing policy decision by an administrator.

PROXIED_POLICY_EVALUATION_IGNORING_SUBJECTS

ID: POLICY-11

Level: INFO

Description: Computing policy decision by an administrator ignoring subjects succeeded

Data: admin name, resource name, policy decision

Triggers: Computing policy decision by an administrator ignoring subjects.

OpenAM logs the following Rest messages.

ATTEMPT_ACCESS

ID: Rest-1

Level: INFO

Description: Attempted to access a REST resource.

Data: resource, operation

Triggers: Attempting to access a REST resource.

ACCESS_GRANT

ID: Rest-2

Level: INFO

Description: Access granted to a REST resource.

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

Data: resource, operation, authzModule

Triggers: Access was granted to the requested resource.

ACCESS_DENY

ID: Rest-3

Level: INFO

Description: Access denied to a REST resource.

Data: resource, operation, authzModule

Triggers: Access was denied to the requested resource.

OpenAM logs the following SESSION messages.

SESSION_CREATED

ID: SESSION-1

Level: INFO

Description: Session is Created

Data: User ID

Triggers: User is authenticated.

SESSION_IDLE_TIMED_OUT

ID: SESSION-2

Level: INFO

Description: Session has idle timedout

Data: User ID

Triggers: User session idle for long time.

SESSION_MAX_TIMEOUT

ID: SESSION-3

Level: INFO

Description: Session has Expired

Data: User ID

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

Triggers: User session has reached its maximun time limit.

SESSION_LOGOUT

ID: SESSION-4

Level: INFO

Description: User has Logged out

Data: User ID

Triggers: User has logged out of the system.

SESSION_REACTIVATION

ID: SESSION-5

Level: INFO

Description: Session is Reactivated

Data: User ID

Triggers: User session state is active.

SESSION_DESTROYED

ID: SESSION-6

Level: INFO

Description: Session is Destroyed

Data: User ID

Triggers: User session is destroyed and cannot be referenced.

SESSION_PROPERTY_CHANGED

ID: SESSION-7

Level: INFO

Description: Session's property is changed.

Data: User ID

Triggers: User changed session's unprotected property.

SESSION_UNKNOWN_EVENT

ID: SESSION-8

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

Level: INFO

Description: Session received Unknown Event

Data: User ID

Triggers: Unknown session event

SESSION_PROTECTED_PROPERTY_ERROR

ID: SESSION-9

Level: INFO

Description: Attempt to set protected property

Data: User ID

Triggers: Attempt to set protected property

SESSION_QUOTA_EXHAUSTED

ID: SESSION-10

Level: INFO

Description: User's session quota has been exhausted.

Data: User ID

Triggers: Session quota exhausted

SESSION_DATABASE_UNAVAILABLE

ID: SESSION-11

Level: INFO

Description: Session database used for session failover and session constraint is not available.

Data: User ID

Triggers: Unable to reach the session database.

SESSION_DATABASE_BACK_ONLINE

ID: SESSION-12

Level: INFO

Description: Session database is back online.

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

Data: User ID

Triggers: Session database is back online..

SESSION_MAX_LIMIT_REACHED

ID: SESSION-13

Level: INFO

Description: The total number of valid sessions hosted on the AM server has reached the max limit.

Data: User ID

Triggers: Session max limit reached.

Copyright © 2011-2018 ForgeRock AS. All rights reserved.

Index

Copyright © 2011-2018 ForgeRock AS. All rights reserved.