

# Novell Identity Manager Fan-Out Driver

3.5

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MESSAGES REFERENCE

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Novell®

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The Solaris\* standard IO library has kernel limitations that interfere with the operation of the Provisioning Manager. Therefore, components for Solaris use the AT&T\* SFIO library. Use of this library requires the following notice:

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# About This Guide

This guide helps you understand and respond to the messages issued by the Novell® Identity Manager Fan-Out driver. This guide assumes that you are familiar with eDirectory™, the concepts and facilities of the Identity Manager Fan-Out driver, and the operating system platforms on which its components are installed.

## Additional Documentation

The following publications contain information about the Identity Manager Fan-Out driver. These publications are available at the [Identity Manager Driver Web site \(http://www.novell.com/documentation/dirxmldrivers\)](http://www.novell.com/documentation/dirxmldrivers).

*Concepts and Facilities Guide*

*Core Driver Administration Guide*

*Platform Services Planning Guide and Reference*

*Platform Services Administration Guide for Linux and UNIX*

*Platform Services Administration Guide for MVS*

*Platform Services Administration Guide for OS/400*

*NetWare Intercept and API Administration Guide*

*API Developer Guide*

*Messages Reference*

*Core Driver Quick Start Guide for Linux and Solaris*

*Core Driver Quick Start Guide for NetWare*

*Core Driver Quick Start Guide for Windows*

*Platform Services Quick Start Guide for AIX*

*Platform Services Quick Start Guide for FreeBSD, HP-UX, Linux, and Solaris*

*Platform Services Quick Start Guide for MVS CA-ACF2*

*Platform Services Quick Start Guide for MVS CA-Top Secret*

*Platform Services Quick Start Guide for MVS RACF*

*Platform Services Quick Start Guide for OS/400*

*NetWare Intercept and API Quick Start Guide*

Documentation for related products, such as Identity Manager and eDirectory, is available at the [Novell Documentation Web site \(http://www.novell.com/documentation\)](http://www.novell.com/documentation).

## Documentation Updates

For the most recent versions of -Identity Manager Fan-Out driver documentation, see the [Identity Manager Driver Web site \(http://www.novell.com/documentation/dirxmldrivers\)](http://www.novell.com/documentation/dirxmldrivers).

## Documentation Conventions

In this documentation, a greater-than symbol (>) is used to separate actions within a step and items within a cross-reference path.

A trademark symbol (®, ™, etc.) denotes a Novell trademark. An asterisk (\*) denotes a third-party trademark. When a single pathname can be written with a backslash for some platforms or a forward slash for other platforms, the pathname is presented with a backslash. Users of platforms that require a forward slash, such as UNIX\*, should use forward slashes as required by your software.

### **User Comments**

We want to hear your comments and suggestions about this manual and the other documentation included with the driver. To contact us, send e-mail to [namdoc@novell.com](mailto:namdoc@novell.com).



# Overview

# 1

Novell® Identity Manager Fan-Out driver components write messages to their Operational Logs, the System Log, and the Audit Log. These messages record key processing occurrences, diagnostic information, and general statistical information. These can be useful to you in monitoring the operation of the driver and in troubleshooting problems.

## 1.1 Message Format

Each message written by the driver begins with a message identifier. The text of the message follows the message identifier. A diagnostic code, meaningful to the Novell product support team, follows the message text.

An example message follows.

```
OBJ010I Trawl complete. aas1625
```

In this example, the message identifier is OBJ010I. The message text is Trawl complete. The diagnostic code is aas1625.

The last character of the message identifier is a severity code.

---

D	Debugging
I	Informational
W	Warning
E	Error

---

You can use the message identifier to find the explanation for a message.

- ◆ **“AGT Messages” on page 13**

Messages beginning with AGT are issued by the core driver for Authentication Services.

- ◆ **“ASC Messages” on page 17**

Messages beginning with ASC are issued by ASCLIENT, the MVS Platform Services Process.

- ◆ **“AUDA Messages” on page 21**

Messages beginning with AUDA are issued by Audit Services for Authentication Services.

- ◆ **“AUDG Messages” on page 24**

Messages beginning with AUDG are issued by Audit Services for general components.

- ◆ **“AUDR Messages” on page 26**

Messages beginning with AUDR are issued by Audit Services to report actions taken during Receiver script processing.

- ◆ **“AXML Messages” on page 31**

Messages beginning with AXML are issued by the core driver during interactions with the Identity Manager engine.

- ◆ **“CFG Messages” on page 33**

Messages beginning with CFG are issued by Platform Configuration file processing.

- ♦ **“CFG Messages” on page 34**

Messages beginning with CFG are issued during installation when migrating values from the `asamcore.conf` file to Driver object configuration parameters.

- ♦ **“CFG Messages” on page 35**

Messages beginning with CFGP are issued by platform configuration file processing.

- ♦ **“CRT Messages” on page 36**

Messages beginning with CRT are issued by Certificate Services.

- ♦ **“DIR Messages” on page 38**

Messages beginning with DIR are issued by the core driver during LDAP directory access.

- ♦ **“DOM Messages” on page 49**

Messages beginning with DOM are issued by driver components as they communicate among themselves.

- ♦ **“EJS Messages” on page 49**

Messages beginning with EJS are issued by Event Journal Services.

- ♦ **“HES Messages” on page 59**

Messages beginning with HES are issued by driver components as they use HTTP to communicate.

- ♦ **“LWS Messages” on page 59**

Messages beginning with LWS are issued by the core driver as it functions as an HTTP server.

- ♦ **“NET Messages” on page 65**

Messages beginning with NET are issued by driver components during verification of SSL certificates.

- ♦ **“OAP Messages” on page 65**

Messages beginning with OAP are issued by driver components when communicating among themselves.

- ♦ **“OBJ Messages” on page 66**

Messages beginning with OBJ are issued by Object Services.

- ♦ **“PLS Messages” on page 82**

Messages beginning with PLS are issued by Platform Services.

- ♦ **“PRCV Messages” on page 82**

Messages beginning with PRCV are issued by Platform Receivers.

- ♦ **“W3LM Messages” on page 87**

Messages beginning with W3LM are issued by Web Services.

## 1.2 Message Destination

Audit Services maintains the Operational Logs and Audit Logs for the core driver in the logs directory. You can use the Web interface to view these logs. The handling of other log messages is system dependent.

## 1.2.1 OS/400

System messages from the OS/400\* Platform Services Process and Platform Receiver are written to standard OS/400 job logs. You can use DSPJOBLOG or iSeries\* Navigator to view these job logs.

## 1.2.2 MVS

System messages from the MVS\* Platform Services Process and Platform Receiver are written using the MVS WTO service with Route Code 11. Other messages are written to the ASCLOG DD statement.

## 1.2.3 NetWare

System messages written by the core driver running on NetWare® - are written to the core driver screen.

## 1.2.4 UNIX

System messages written by the core driver, and all messages written by the UNIX Platform Services Process and Platform Receiver, are written using the SYSLOG facility specified by the SYSLOGFACILITY statement of their respective configuration files.

The severity code of each message is used to determine the priority as follows.

Severity	Priority
Debugging	LOG_DEBUG
Informational	LOG_INFO
Warning	LOG_WARNING
Error	LOG_ERR

## 1.2.5 Windows

System messages written by the core driver are written to the Windows\* Application Log.



# Messages

# 2

Descriptions of the messages written by Novell® Identity Manager Fan-Out driver components follow.

- ♦ “AGT Messages” on page 13
- ♦ “ASC Messages” on page 17
- ♦ “AUDA Messages” on page 21
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## 2.1 AGT Messages

Messages beginning with AGT are issued by the core driver for Authentication Services.

### **AGT001I Password Migration Mode is enabled.**

Explanation: Password Migration Mode is enabled for this core driver. This mode is enabled by setting the Migration Password parameter for the Driver object.

Action: None. Informational only.

### **AGT002I < *thread\_id* > Processing compatibility mode request from *ipAddress* on port *portNumber*.**

Explanation: A new platform request identified by *thread\_id* has been started from *ipAddress* on *portNumber*.

Action: None. Informational only.

**AGT003E < *thread\_id* > Error reading from socket connected to *ip\_address*.**

Explanation: The core driver was unable to read data from the socket connection. The current request is discarded.

Possible Cause: The platform might have dropped the connection.

Action: If this error occurs frequently, check for network connectivity problems between the platform and the core driver.

**AGT004I < *thread\_id* > Compatibility mode request has ended.**

Explanation: The platform request identified by *thread\_id* has ended.

Action: None. Informational only.

**AGT005E < *thread\_id* > Invalid request was received from the platform.**

Explanation: The platform sent an invalid request to the core driver.

Possible Cause: The platform is configured with an invalid DES key.

The platform host is running a down-level version of the platform software.

Action: Ensure that the DES key in the Platform Configuration file matches the DES key for the Platform object in eDirectory™.

**AGT006W < *thread\_id* > Request received from an unauthorized platform *ip\_address*.**

Explanation: A request was received from a platform that is not known. The request is discarded.

Possible Cause: The IP address or host name of the platform does not match the IP addresses or host names listed for the Platform object in eDirectory.

Someone might be attempting to breach security.

Action: Use the Web interface to add the network address for the platform to its corresponding Platform object in eDirectory if appropriate.

**AGT007E < *thread\_id* > DES key has expired for Platform *ip\_address*.**

Explanation: The DES key being used by the platform on IP address *ip\_address* has expired. The request is discarded.

Possible Cause: A new DES key was set for the platform using the Web interface, but the platform has not been changed to use the new DES key. The old DES key is expired and unusable.

Action: Update the Platform Configuration file with the new DES key.

**AGT008W < *thread\_id* > Response to *request\_type* request from *ip\_address* for *objectDN* is: *answer*.**

Explanation: A request was received from *ip\_address* by the core driver for *request\_type* and was sent the response *answer*.

Action: None. Informational only.

**AGT009W < thread\_id> Response to request\_type request from ip\_address is: answer.**

Explanation: A request was received by the core driver for *request\_type* and was sent the response *answer*.

Action: None. Informational only.

**AGT010E < thread\_id> Error writing to socket connected to ip\_address.**

Explanation: The core driver was unable to write data to the socket connection for *ip\_address*. The current request is discarded.

Possible Cause: The platform might have dropped the connection.

Action: If this error occurs frequently, check for network connectivity problems between the platform and the core driver.

**AGT013W The password submitted for user user does not match the user's eDirectory password. Error code code (attempt attempt).**

Explanation: A password submitted by the Novell Client™ Intercept did not match the user's eDirectory password. This message is a concern only if password replication is not working.

Possible Cause: If a user changes the eDirectory password on Windows, the Novell Client could do a password check on the old password. By the time this password event is processed, the eDirectory password could have been changed to the new password.

Sometimes the password event is checked against eDirectory before the eDirectory password arrives on the replica the core driver is using.

Another possibility is that the event came from a different tree than the one the core driver is using, and that tree is not listed on the External Password Sources driver parameter.

This message can indicate an intruder attempt to change a password.

Action: Examine the core driver's Operational Log. If soon after this message you get an ePassword successfully updated message for the user, the issue is probably transitory and no action is necessary.

If password replication is not working and you are receiving this message, check your eDirectory replication performance.

Verify that the Storage Key parameter in the driver parameters is the same for all core drivers.

**AGT018E Password replication for user user failed with error code code.**

Explanation: The core driver could not store its encrypted copy of the password to eDirectory. No more attempts are made to do so. The user's password is not replicated to any platforms.

Possible Cause: For ePassword operation, the most likely cause is that the LDAP server specified in the driver parameters is down or misconfigured. For more information, see message AGT023E.

Action: See message AGT023E.

**AGT023E Write of ePassword for user *user* failed with error code *code*. (LDAP server: *server: port*).**

Explanation: The core driver could not store the user's ePassword in eDirectory. Without an ePassword, the user cannot be replicated to platforms that require password synchronization. The core driver might be able to recover from this problem.

Possible Cause: The LDAP server specified in the driver configuration parameters is down or misconfigured. This generally results in error codes 80 or 81.

Action: Verify that the LDAP server specified in the driver parameters is the correct server.

Verify that the LDAP server specified in the driver parameters is running and configured properly. For information about the LDAP server, refer to your eDirectory documentation.

Verify that the computer running the core driver can communicate with the LDAP server using TCP/IP.

Check the eDirectory replication status.

**AGT024I ePassword successfully updated for user *user*.**

Explanation: The core driver successfully stored the ePassword for the specified user. This password is replicated to the appropriate platforms.

Possible Cause: ePasswords can be updated through:

Any password change to a user covered by a valid Universal Password policy.

eDirectory password checks and changes made on a computer with the Novell Client Intercept installed.

Password checks and changes sent to the core driver from a System Intercept or using the AS Client API.

Action: No action necessary.

**AGT025I Password Change Validation Exit Registered using *function* from library *library*.**

Explanation: A Password Change Validation Exit was registered using the indicated function and library.

Action: None

**AGT026E Could not open library *library* for Password Change Validation Exit.**

Explanation: The core driver could not open the library specified for the Password Change Validation Exit.

Action: Make sure the library exists in the location you specified.



**AGT027E Could not import function *function* from library *library* for Password Change Validation Exit.**

Explanation: The core driver could not import the specified function from the specified library for the Password Change Validation Exit.

Action: Make sure the function is exported from the library.

**AGT028E The Password Change Validation Exit has rejected the password change for user *user*. Reason: *reason*.**

Explanation: The registered Password Change Validation Exit has applied a user-defined set of rules to the attempted password change and determined that the new password is not valid. A reason is displayed if the exit provided one.

Action: None.

## 2.2 ASC Messages

Messages beginning with ASC are issued by ASCLIENT, the MVS Platform Services Process.

**ASC0000I *command* response.**

Explanation: This message is issued in response to a DISPLAY command.

**ASC0001I *productVersion* was started on *date* at *time*.**

Explanation: This message is issued during ASCLIENT startup.

**ASC0004I *n* request(s) found on existing queue.**

Explanation: ASCLIENT found *n* requests awaiting processing on the in-storage queue during a warm startup.

**ASC0005E Unable to load interface module *moduleName*: abend *abendCode*.**

Explanation: ASCLIENT attempted to load *moduleName* into ECSA, but the load macro failed. Register 1 contains system completion code *abendCode*.

Action: Respond as appropriate for *abendCode*.

**ASC0007I *productVersion* has ended.**

Explanation: ASCLIENT has shut down in response to a STOP command.

**ASC0010I *statistics line*.**

Explanation: This message is used to write statistical information to the console.

**ASC0011I Command entered was: *command\_text*.**

Explanation: ASCLIENT accepted a MODIFY command as valid, and attempts to execute it.

**ASC0012I New parameter file applied.**

Explanation: ASCLIENT has updated its configuration in response to a CONFIG *xx* command.

**ASC0013I Log switched.**

Explanation: The LOGSWITCH command was entered. The ASCLOG file has been closed, freed, reallocated, and reopened. The previous log is available for processing.

**ASC0020E WARM and COLD parameters are mutually exclusive.**

Explanation: The startup parameters WARM and COLD were both found in the PARM string in the ASCLIENT startup procedure.

Action: Remove one of the two parameters from the PARM string.

**ASC0021E Module *moduleName* does not contain valid global token. Module not loaded.**

Explanation: During configuration file processing, ASCMAIN was unable to set an internal token value as part of loading module ASCUSER. If this occurs during startup, ASCMAIN terminates with a return code of 8. If the message appears after a CONFIG command, the new configuration is not accepted.

Action: The copy of ASCUSER or ASCMAIN in the ASCLIENT STEPLIB could be corrupted. Reload the load library from the distribution media and compare these modules with the copies in the ASCLIENT STEPLIB. If you cannot account for any differences, re-create the load library from the distribution, and reinstall any patches you have applied.

**ASC0022E Invalid keyword beginning with: *text*.**

Explanation: An invalid keyword appears in the PARM string for ASCLIENT. ASCLIENT terminates.

Action: Correct the PARM string and restart ASCLIENT.

**ASC0023E Invalid parameter beginning with: *text*.**

Explanation: A valid command in the PARM string is followed by an invalid operand. ASCLIENT terminates.

Action: Correct the PARM string and restart ASCLIENT.

**ASC0024E Name/Token Services *function* error: *description*.**

Explanation: MVS Name/Token Services returned the unexpected error described in the message.

Action: Make note of the message text, collect diagnostic information, and contact Support.

**ASC0025E Parameter file error, line *n*: *description*.**

Explanation: The syntax error described in the message was detected in the configuration file at line *n*. If this occurs at startup, ASCLIENT terminates. If this occurs as a

result of a CONFIG command, the new configuration is not loaded, and ASCLIENT continues with its current configuration.

Action: Correct the syntax error in the configuration file, and either restart ASCLIENT, or reissue the CONFIG command.

#### **ASC0026E Unable to process parameter file *name*.**

Explanation: The ASCPARMS data set name could not be determined. The most likely cause is that ASCPARMS is not defined in the ASCLIENT JCL.

Action: Ensure that ddname ASCPARMS is defined and specifies a valid configuration file data set.

#### **ASC0027E Unable to free ASCPARMS: dynalloc error code is *error, info*.**

Explanation: ASCMAIN encountered an error while trying to deallocate the configuration file during configuration file processing. The dynamic allocation error and information codes appear in the message.

Dynamic allocation return codes and reason codes are documented in the IBM publication *MVS Programming: Authorized Assembler Services Guide*.

Action: Respond as appropriate for the dynamic allocation error and information codes.

#### **ASC0028E No *parametertype* statements in parameter file.**

Explanation: ASCLIENT did not find any *parametertype* statements in the configuration file. The parameter type named in the message is a required parameter. Configuration file syntax checking continues. If this error occurs during startup, ASCLIENT terminates. If the error occurs as the result of a CONFIG command, the ASCLIENT configuration is not changed.

Action: If the missing statement type is AUTHENTICATION, add appropriate AUTHENTICATION statements to the parameter file. If the missing statement type is KEY, add one KEY statement to the parameter file. The key value must match the DES encryption key specified in the core driver configuration object for the platform. Then, either restart ASCLIENT (for failures during startup) or reissue the CONFIG command (for configuration changes during execution).

#### **ASC0029E Unable to load name-token module *modulename*.**

Explanation: One or more of the MVS callable services routines (IEANTCR, IEANTRT, or IEANTDL) could not be located in LPA or the linklist.

Action: These routines are shipped with MVS in CSSLIB. Check your SMP target zone for MVS to see where these load modules reside. If SYS1.CSSLIB contains these modules but is not in your linklist, consider adding it. The caller-side interface module ASCUSER also requires IEANTRT and is not able to call ASCLIENT without it.

**ASC0032E Unable to load ASCHOST.**

Explanation: During initialization, ASCLIENT did not find module ASCHOST in STEPLIB. ASCLIENT terminates.

Action: Ensure that load module ASCHOST is available in the ASCLIENT STEPLIB concatenation.

**ASC0033E Internal error occurred: *description*.**

Explanation: An unexpected error occurred during normal processing. The error description provides additional information. If this message is issued by an ASCLIENT subtask, the subtask issues a User 0001 ABEND with a dump. If the message is issued by the ASCLIENT main task, ASCLIENT terminates.

Action: Make note of the message text, collect diagnostic information, and contact Support.

**ASC0036E DELAY.PREFGRP value of *pg\_delay* is less than DELAY.AUTHENTICATION value of *ag\_delay*.**

Explanation: The DELAY.PREFGRP and/or DELAY.AUTHENTICATION statements were found in the ASCLIENT configuration file. The value for DELAY.PREFGRP (either the value specified or the default of 5) is less than the value specified or defaulted to for DELAY.AUTHENTICATION. The value of DELAY.PREFGRP must equal or exceed that of DELAY.AUTHENTICATION.

Action: Correct the DELAY statement(s) in the ASCLIENT configuration file, then reload the configuration file or restart ASCLIENT.

**ASC0037E Log not switched; ASCLOG was allocated by DD statement.**

Explanation: The LOGSWITCH command was entered, but ASCLIENT can cause a log switch only if the ASCLOG DD statement is dynamically allocated (not specified in the ASCLIENT JCL).

Action: If you need to use the LOGSWITCH command, remove the ASCLOG DD statement from the ASCLIENT JCL and restart ASCLIENT.

**ASC0050E Invalid command beginning with: *text*.**

Explanation: An invalid command was entered as an ASCLIENT MODIFY command.

Action: Correct and reissue the command.

**ASC0051E Invalid operand beginning with: *text*.**

Explanation: A valid ASCLIENT MODIFY command was entered, but one of its operands was not recognized.

Action: Correct and reissue the command.

**ASC0052E STOP/MODIFY command processing error: *description*.**

Explanation: An internal QEDIT error occurred during ASCLIENT STOP/MODIFY processing.

Action: Make note of the message text, collect diagnostic information, and contact Support.

**ASC0070E Name-token services error in *exitname*.**

Explanation: The security system exit encountered an unexpected error while trying to find the environment.

Action: Make note of the message text, collect diagnostic information, and contact Support.

**ASC0071I Userid *user* will be authenticated locally.**

Explanation: No core drivers could be contacted to authenticate a user.

Possible Cause: The ASCLIENT started task is not running.

TCP/IP is not available.

No core drivers responded to a request.

Action: Review the started task log files for more information.

**ASC0073I ACF2 password not changed. Use the LOGON command to change your password.**

Explanation: The user attempted to change the password using the ACF command. This is disallowed. Change the password using the LOGON command, using the Novell Client, or from another system that is running Platform Services.

Action: None; informational only. This message is a ROUTCDE=11 WTO and appears on MVS consoles that are set to display ROUTCDE=11 messages.

**ASC0074I ACF2 password not changed. Unknown error in ACF2 new-password exit.**

Explanation: ASCLIENT returned an unexpected response to ASCNPXIT during a password change request. The user's password is not changed in the security database. Whether or not the password is changed in eDirectory depends on the nature of the error.

Action: Examine the ASCLIENT task logs to see what messages or errors were returned to ASCLIENT from the core driver. Contact Support if you cannot determine the cause of the error.

## 2.3 AUDA Messages

Messages beginning with AUDA are issued by Audit Services for Authentication Services.

**AUDA001I Administrative Password Reset by *driver\_name* for Platform *platform\_name* IP address *platform\_ip\_address*: eUser *eUser*, Return Value *rc*, Elapsed Time *seconds*.**

Explanation: The core driver identified by *driver\_name* processed an Administrative Password Reset request for the platform identified by *platform\_name* and *platform\_ip\_address*. The eUser whose password was reset is *eUser*. The

return code from the core driver to the platform was *rc*. The core driver took *seconds* seconds to process the request.

Action: None. Informational only.

**AUDA002W Connection Rejected by *driver\_name* for Platform *platform\_name* IP address *platform\_ip\_address*: Reason *reason*.**

Explanation: The core driver identified by *driver\_name* rejected a connection attempt from the platform identified by *platform\_name* and *platform\_ip\_address*. If the request was from a platform that does not have a configuration object in the ASAM System container, *platform\_name* is empty. The reason the connection attempt was rejected is given by *reason*.

Action: Correct the cause of the error based on the reason given by *reason*.

**AUDA003I Check Password by *driver\_name* for Platform *platform\_name* IP address *platform\_ip\_address*: eUser *eUser*, Return Value *rc*, Elapsed Time *seconds*.**

Explanation: The core driver identified by *driver\_name* processed a Check Password request for the platform identified by *platform\_name* and *platform\_ip\_address*. If the request was from a platform that does not have a configuration object in the ASAM System container, *platform\_name* is empty. The eUser whose password was checked is *eUser*. The return code from the core driver to the platform was *rc*. The core driver took *seconds* seconds to process the request.

Action: None. Informational only.

**AUDA004I Change Password by *driver\_name* for Platform *platform\_name* IP address *platform\_ip\_address*: eUser *eUser*, Return Value *rc*, Elapsed Time *seconds*.**

Explanation: The core driver identified by *driver\_name* processed a Change Password request for the platform identified by *platform\_name* and *platform\_ip\_address*. If the request was from a platform that does not have a configuration object in the ASAM System container, *platform\_name* is empty. The eUser whose password was to be changed is *eUser*. The return code from the core driver to the platform was *rc*. The core driver took *seconds* seconds to process the request.

Action: None. Informational only.

**AUDA005I Get Context by *driver\_name* for Platform *platform\_name* IP address *platform\_ip\_address*: eUser *eUser*, Return Value *rc*, Elapsed Time *seconds*.**

Explanation: The core driver identified by *driver\_name* processed a Get Context request for the platform identified by *platform\_name* and *platform\_ip\_address*. If the request was from a platform that does not have a configuration object in the ASAM System container, *platform\_name* is empty. The eUser whose context was to be obtained is *eUser*. The return code from the core driver to the platform was *rc*. The core driver took *seconds* seconds to process the request.

Action: None. Informational only.

**AUDA006I Get Security Equivalents by *driver\_name* for Platform *platform\_name* IP address *platform\_ip\_address*: eUser *eUser*, Return Value *rc*, Elapsed Time *seconds*.**

Explanation: The core driver identified by *driver\_name* processed a Get Security Equivalents request for the platform identified by *platform\_name* and *platform\_ip\_address*. The eUser whose security equivalences list was to be obtained is *eUser*. The return code from the core driver to the platform was *rc*. The core driver took *seconds* seconds to process the request.

Action: None. Informational only.

**AUDA007I Get Group Members by *driver\_name* for Platform *platform\_name* IP address *platform\_ip\_address*: Group *group*, Return Value *rc*, Elapsed Time *seconds*.**

Explanation: The core driver identified by *driver\_name* processed a Get Group Members request for the platform identified by *platform\_name* and *platform\_ip\_address*. The group whose member list was to be obtained is *group*. The return code from the core driver to the platform was *rc*. The core driver took *seconds* seconds to process the request.

Action: None. Informational only.

**AUDA008I Check Security Equivalence by *driver\_name* for Platform *platform\_name* IP address *platform\_ip\_address*: eUser *eUser* to object *object*, Return Value *rc*, Elapsed Time *seconds*.**

Explanation: The core driver identified by *driver\_name* processed a Check Security Equivalence request for the platform identified by *platform\_name* and *platform\_ip\_address*. The eUser *eUser* was checked for security equivalence to the object *object*. The return code from the core driver to the platform was *rc*. The core driver took *seconds* seconds to process the request.

Action: None. Informational only.

**AUDA009I Check Rights to Attribute by *driver\_name* for Platform *platform\_name* IP address *platform\_ip\_address*: Object1 *object1*, Rights [ *rights*], Attribute *attribute\_name*, Object2 *object2*, Return Value *rc*, Elapsed Time *seconds*.**

Explanation: The core driver identified by *driver\_name* processed a Check Rights to Attribute request for the platform identified by *platform\_name* and *platform\_ip\_address*. The object *object1* was checked for the rights *rights* to the attribute *attribute\_name* of object *object2*. The return code from the core driver to the platform was *rc*. The core driver took *seconds* seconds to process the request.

Action: None. Informational only.

**AUDA010I Get Attribute by *driver\_name* for Platform *platform\_name* IP address *platform\_ip\_address*: Object *object*, Attribute *attribute\_name*, Return Value *rc*, Elapsed Time *seconds*.**

Explanation: The core driver identified by *driver\_name* processed a Get Attribute request for the platform identified by *platform\_name* and *platform\_ip\_address*. The value of the attribute *attribute\_name* for object *object* was to be obtained. The return code from the core driver to the platform was *rc*. The core driver took *seconds* seconds to process the request.

Action: None. Informational only.

**AUDA011I Password Notify on *driver* for Platform system *address*: User *user*, Tree *tree*, Return Value *rc*.**

Explanation: An eDirectory password verify, change, or administrative reset was intercepted for the specified user on the specified platform. A return value of 0 indicates successful processing. A value of -1 indicates an error.

Possible Cause: The user performed an action on the platform to verify or change the password, or an administrator reset a user's password.

If the return value is -1, the event might have failed because the system is low on memory or the event was submitted from a different eDirectory tree than the one the core driver is operating on.

Action: If success (0) is returned, no action is necessary, unless you do not want passwords intercepted on the platform.

If you do not want passwords intercepted on the specified platform system, use the Windows Add/Remove Programs utility to remove the Novell Client Password Intercept from that platform.

If events are failing, verify that your system has enough memory.

If events are coming from other eDirectory trees, you can ignore them. If you want those events to be processed, specify the tree name on the External Password Sources driver configuration parameter.

## 2.4 AUDG Messages

Messages beginning with AUDG are issued by Audit Services for general components.

**AUDG001I *component\_object* started: Version *version* ID= *code\_id\_string*, Tree *tree\_name*, ASAM System Container *system\_container*, ASAM Master User *master\_user*, Command Line *command\_line*.**

Explanation: The component identified by *component\_object* has started. It is version *version* with code identification *code\_id\_string*. The directory tree used is *tree\_name*. The system container in use is *system\_container*. The Master User is *master\_user*. The command line used to start the component was *command\_line*.

Action: None. Informational only.

**AUDG002I *component\_object* ended. Start time was *time\_stamp*.**

Explanation: The component identified by *component\_object* has ended. It was started at *time\_stamp*.

Action: None. Informational only.



**AUDG003I *component\_object* Interval Start Time: *interval\_start\_time*: *name* = *value*.**

Explanation: The component identified by *component\_object* is reporting periodic statistical information. The measurement interval began at *interval\_start\_time*. The statistic name is *name*. The statistic value is *value*.

Action: None. Informational only.

**AUDG004I *component\_object* Interval Start Time: *interval\_start\_time*: Platform: *platform\_object* *name* = *value*.**

Explanation: The core driver identified by *component\_object* is reporting periodic statistical information for services to the platform identified by *platform\_object*. The measurement interval began at *interval\_start\_time*. The statistic name is *name*. The statistic value is *value*.

Action: None. Informational only.

**AUDG007E Unable to write to log file because of insufficient memory.**

Explanation: Insufficient memory was available to write a message to the log file. An attempt is made to write the message to the system log.

Possible Cause: Insufficient memory.

Action: Determine and correct the cause of the memory problem.

**AUDG008E Unable to open log file *filename*.**

Explanation: Audit Services could not open *filename* in order to write a log message. An attempt is made to write the message to the system log.

Possible Cause: The ASAM Directory driver configuration parameter is incorrect.

The core driver does not have the necessary file system rights.

Action: Examine the system log. Determine and correct the cause of the problem.

**AUDG009E Unable to write to *logtype* log file. Failed with errno *errno*.**

Explanation: Audit Services could not write a message to the *logtype* log. An attempt is made to write the message to the system log.

Action: Examine the system log. Determine and correct the cause of the problem.

**AUDG010E Unable to write to *logtype* log file index. Failed with errno *errno*.**

Explanation: Audit Services could not write a message to the *logtype* log because of a problem writing to the log index. An attempt is made to write the message to the system log.

Action: Examine the system log. Determine and correct the cause of the problem.

**AUDG011E Error logging message to log file. Internal error *interr* *symbolicname*.**

Explanation: Audit Services could not write a message to the log. The message is identified by *symbolicname*. An attempt is made to write the message to the system log.

Action: Examine the system log. Determine and correct the cause of the problem.

## 2.5 AUDR Messages

Messages beginning with AUDR are issued by Audit Services to report actions taken during Receiver script processing.

### **AUDR001I Add User on Platform *platform\_object*: eUser *eUser*, UID *uid*, Platform Association *platform\_association*.**

Explanation: An Add User was processed by the platform identified by *platform\_object* for eUser *eUser*. The association *platform\_association* was returned for the user. The UNIX UID number for the user is *uid*.

Action: None. Informational only.

### **AUDR002I Modify User on Platform *platform\_object*: eUser *eUser*, UID *uid*, Platform Association *platform\_association*.**

Explanation: A Modify User was processed by the platform identified by *platform\_object* for eUser *eUser*. The association for the user is *platform\_association*. The UNIX UID number for the user is *uid*.

Action: None. Informational only.

### **AUDR003I Delete User on Platform *platform\_object*: eUser *eUser*, Platform Association *platform\_association*.**

Explanation: A Delete User was processed by the platform identified by *platform\_object* for eUser *eUser*. The association for the user was *platform\_association*.

Action: None. Informational only.

### **AUDR004I Enable User on Platform *platform\_object*: eUser *eUser*, Platform Association *platform\_association*.**

Explanation: An Enable User was processed by the platform identified by *platform\_object* for eUser *eUser*. The association for the user is *platform\_association*.

Action: None. Informational only.

### **AUDR005I Disable User on Platform *platform\_object*: eUser *eUser*, Platform Association *platform\_association*.**

Explanation: A Disable User was processed by the platform identified by *platform\_object* for eUser *eUser*. The association for the user is *platform\_association*.

Action: None. Informational only.

### **AUDR006I Rename User on Platform *platform\_object*: eUser *eUser*, Old Platform Association *old\_platform\_association*, New Platform Association *new\_platform\_association*.**

Explanation: A Rename User was processed by the platform identified by *platform\_object* for eUser *eUser*. The old association for the user was *old\_platform\_association*. The new association *new\_platform\_association* was returned for the user.

Action: None. Informational only.

**AUDR007I Move User on Platform *platform\_object*: eUser *eUser*, Old Platform Association *old\_platform\_association*, New Platform Association *new\_platform\_association*.**

Explanation: A Move User was processed by the platform identified by *platform\_object* for eUser *eUser*. The old association for the user was *old\_platform\_association*. The new association *new\_platform\_association* was returned for the user.

Action: None. Informational only.

**AUDR008I Add User to Group on Platform *platform\_object*: eUser *eUser*, eUser Platform Association *eUser\_platform\_association*, eGroup *eGroup*, eGroup Platform Association *eGroup\_platform\_association*.**

Explanation: An Add User to Group was processed by the platform identified by *platform\_object* for eUser *eUser*. The Group is *eGroup*. The association for the user is *eUser\_platform\_association*. The association for the group is *eGroup\_platform\_association*.

Action: None. Informational only.

**AUDR009I Remove User from Group on Platform *platform\_object*: eUser *eUser*, eUser Platform Association *eUser\_platform\_association*, eGroup *eGroup*, eGroup Platform Association *eGroup\_platform\_association*.**

Explanation: A Remove User from Group was processed by the platform identified by *platform\_object* for eUser *eUser*. The Group is *eGroup*. The association for the user is *eUser\_platform\_association*. The association for the group is *eGroup\_platform\_association*.

Action: None. Informational only.

**AUDR010I Add Group on Platform *platform\_object*: eGroup *eGroup*, GID *gid*, Platform Association *platform\_association*.**

Explanation: An Add Group was processed by the platform identified by *platform\_object* for eGroup *eGroup*. The association *platform\_association* was returned for the group. The UNIX GID number for the group is *gid*.

Action: None. Informational only.

**AUDR011I Modify Group on Platform *platform\_object*: eGroup *eGroup*, GID *gid*, Platform Association *platform\_association*.**

Explanation: A Modify Group was processed by the platform identified by *platform\_object* for eGroup *eGroup*. The association for the group is *platform\_association*. The UNIX GID number for the group is *gid*.

Action: None. Informational only.

**AUDR012I Delete Group on Platform *platform\_object*: eGroup *eGroup*, Platform Association *platform\_association*.**

Explanation: A Delete Group was processed by the platform identified by *platform\_object* for eGroup *eGroup*. The association for the group was *platform\_association*.

Action: None. Informational only.

**AUDR013I Rename Group on Platform *platform\_object*: eGroup *eGroup*, Old Platform Association *old\_platform\_association*, New Platform Association *new\_platform\_association*.**

Explanation: A Rename Group was processed by the platform identified by *platform\_object* for eGroup *eGroup*. The old association for the group was *old\_platform\_association*. The new association *new\_platform\_association* was returned for the group.

Action: None. Informational only.

**AUDR014I Move Group on Platform *platform\_object*: eGroup *eGroup*, Old Platform Association *old\_platform\_association*, New Platform Association *new\_platform\_association*.**

Explanation: A Move Group was processed by the platform identified by *platform\_object* for eGroup *eGroup*. The old association for the group was *old\_platform\_association*. The new association *new\_platform\_association* was returned for the group.

Action: None. Informational only.

**AUDR015I Replicate Password on Platform *platform\_object*: eUser *eUser*.**

Explanation: A Replicate Password was processed by the platform identified by *platform\_object* for eUser *eUser*.

Action: None. Informational only.

**AUDR016E Add User failed on Platform *platform\_object*: eUser *eUser*, UID *uid*.**

Explanation: An Add User failed on the platform identified by *platform\_object* for eUser *eUser*. The UNIX UID number for the user is *uid*.

Action: Examine the log on the platform to determine the cause of the failure, and take action as appropriate.

**AUDR017E Modify User failed on Platform *platform\_object*: eUser *eUser*, UID *uid*, Platform Association *platform\_association*.**

Explanation: A Modify User failed on the platform identified by *platform\_object* for eUser *eUser*. The association for the user is *platform\_association*. The UNIX UID number for the user is *uid*.

Action: Examine the log on the platform to determine the cause of the failure, and take action as appropriate.

**AUDR018E Delete User failed on Platform *platform\_object*: eUser *eUser*, Platform Association *platform\_association*.**

Explanation: A Delete User failed on the platform identified by *platform\_object* for eUser *eUser*. The association for the user is *platform\_association*.

Action: Examine the log on the platform to determine the cause of the failure, and take action as appropriate.

**AUDR019E Enable User failed on Platform *platform\_object*: eUser *eUser*, Platform Association *platform\_association*.**

Explanation: An Enable User failed on the platform identified by *platform\_object* for eUser *eUser*. The association for the user is *platform\_association*.

Action: Examine the log on the platform to determine the cause of the failure, and take action as appropriate.

**AUDR020E Disable User failed on Platform *platform\_object*: eUser *eUser*, Platform Association *platform\_association*.**

Explanation: A Disable User failed on the platform identified by *platform\_object* for eUser *eUser*. The association for the user is *platform\_association*.

Action: Examine the log on the platform to determine the cause of the failure, and take action as appropriate.

**AUDR021E Rename User failed on Platform *platform\_object*: eUser *eUser*, Old Platform Association *platform\_association*.**

Explanation: A Rename User failed on the platform identified by *platform\_object* for eUser *eUser*. The association for the user is *platform\_association*.

Action: Examine the log on the platform to determine the cause of the failure, and take action as appropriate.

**AUDR022E Move User failed on Platform *platform\_object*: eUser *eUser*, Old Platform Association *platform\_association*.**

Explanation: A Move User failed on the platform identified by *platform\_object* for eUser *eUser*. The association for the user is *platform\_association*.

Action: Examine the log on the platform to determine the cause of the failure, and take action as appropriate.

**AUDR023E Add User to Group failed on Platform *platform\_object*: eUser *eUser*, eUser Platform Association *eUser\_platform\_association*, eGroup *eGroup*, eGroup Platform Association *eGroup\_platform\_association*.**

Explanation: An Add User to Group failed on the platform identified by *platform\_object* for eUser *eUser*. The Group is *eGroup*. The association for the user is *eUser\_platform\_association*. The association for the group is *eGroup\_platform\_association*.

Action: Examine the log on the platform to determine the cause of the failure, and take action as appropriate.

**AUDR024E Remove User from Group failed on Platform *platform\_object*: eUser *eUser*, eUser Platform Association *eUser\_platform\_association*, eGroup *eGroup*, eGroup Platform Association *eGroup\_platform\_association*.**

Explanation: A Remove User from Group failed on the platform identified by *platform\_object* for eUser *eUser*. The Group is *eGroup*. The association for the user is *eUser\_platform\_association*. The association for the group is *eGroup\_platform\_association*.

Action: Examine the log on the platform to determine the cause of the failure, and take action as appropriate.

**AUDR025E Add Group failed on Platform *platform\_object*: eGroup *eGroup*, GID *gid*.**

Explanation: An Add Group failed on the platform identified by *platform\_object* for eGroup *eGroup*. The UNIX GID number for the group is *gid*.

Action: Examine the log on the platform to determine the cause of the failure, and take action as appropriate.

**AUDR026E Modify Group failed on Platform *platform\_object*: eGroup *eGroup*, GID *gid*, Platform Association *platform\_association*.**

Explanation: A Modify Group failed on the platform identified by *platform\_object* for eGroup *eGroup*. The association for the group is *platform\_association*. The UNIX GID number for the group is *gid*.

Action: Examine the log on the platform to determine the cause of the failure, and take action as appropriate.

**AUDR027E Delete Group failed on Platform *platform\_object*: eGroup *eGroup*, Platform Association *platform\_association*.**

Explanation: A Delete Group failed on the platform identified by *platform\_object* for eGroup *eGroup*. The association for the group is *platform\_association*.

Action: Examine the log on the platform to determine the cause of the failure, and take action as appropriate.

**AUDR028E Rename Group failed on Platform *platform\_object*: eGroup *eGroup*, Old Platform Association *platform\_association*.**

Explanation: A Rename Group failed on the platform identified by *platform\_object* for eGroup *eGroup*. The association for the group is *platform\_association*.

Action: Examine the log on the platform to determine the cause of the failure, and take action as appropriate.

**AUDR029E Move Group failed on Platform *platform\_object*: eGroup *eGroup*, Old Platform Association *platform\_association*.**

Explanation: A Move Group failed on the platform identified by *platform\_object* for eGroup *eGroup*. The association for the group is *platform\_association*.

Action: Examine the log on the platform to determine the cause of the failure, and take action as appropriate.

**AUDR030E Replicate Password failed on Platform *platform\_object*: eUser *eUser*.**

Explanation: A Replicate Password failed on the platform identified by *platform\_object* for eUser *eUser*.

Action: Examine the log on the platform to determine the cause of the failure, and take action as appropriate.

**AUDR031I Pending Delete User on Platform *platform\_object*: eUser *eUser*, Platform Association *platform\_association*.**

Explanation: A Pending Delete User was processed by the platform identified by *platform\_object* for eUser *eUser*. The association for the user is *platform\_association*.

Action: None. Informational only.

**AUDR032I Pending Delete Group on Platform *platform\_object*: eGroup *eGroup*, Platform Association *platform\_association*.**

Explanation: A Pending Delete Group was processed by the platform identified by *platform\_object* for eGroup *eGroup*. The association for the group is *platform\_association*.

Action: None. Informational only.

**AUDR033E Pending Delete User failed on Platform *platform\_object*: eUser *eUser*, Platform Association *platform\_association*.**

Explanation: A Pending Delete User failed on the platform identified by *platform\_object* for eUser *eUser*. The association for the user is *platform\_association*.

Action: Examine the log on the platform to determine the cause of the failure, and take action as appropriate.

**AUDR034E Pending Delete Group failed on Platform *platform\_object*: eGroup *eGroup*, Platform Association *platform\_association*.**

Explanation: A Pending Delete Group failed on the platform identified by *platform\_object* for eGroup *eGroup*. The association for the group is *platform\_association*.

Action: Examine the log on the platform to determine the cause of the failure, and take action as appropriate.

**AUDR035I User *user* authentication result is *returnCode* ( *reasonString*) [ *elapsedTime* elapsed seconds].**

Explanation: This message displays the result of an authentication attempt.

Possible Cause: This message is the result of an authentication request.

Action: None.

## 2.6 AXML Messages

Messages beginning with AXML are issued by the core driver during interactions with the Identity Manager engine.

**AXML0000I Success.**

Explanation: The action succeeded.

Action: No action is required.

**AXML0006E The event could not be processed. The driver will retry the event.**

Explanation: The event could not be processed because an error occurred during processing. The nature of the error could be transitory, so the event is retried.

Possible Cause: This error can be caused by configuration problems with the core driver.

Action: Examine the core driver logs to see if errors are being generated by the event. Use the core driver documentation to determine the cause of the error and how to correct it. After you correct the problem, the event should succeed when the core driver retries the event.

**AXML0008W The driver is in discard-events mode and will not process events.**

Explanation: Discard-Events mode is used when you do not want directory events to be processed by the core driver. This can be useful if you have a large backlog of directory events. The driver discards directory events.

Possible Cause: The Discard Events driver parameter of the Driver object is set to true.

Action: To return to normal mode, open the configuration parameters of the Driver driver object in iManager, and select the Driver Parameters. Change the Discard Events parameter to false.

**AXML0012W Some initialization parameters could not located; default values are being used.**

Explanation: Default values for either the ASAM root directory or the Locale, or both are being used. The default directory depends on your operating system. The default locale is en for English. This could cause problems if these values are not valid for your installation.

Possible Cause: The ASAM root directory or Locale values were left blank in the Driver object parameters.

Action: If you do not want to use default values, open the core driver Driver object in iManager, click the Driver Parameters tab, and change the parameters to the desired values.

**AXML0013E The event for object *dn* failed with error code *code*. The event has been discarded.**

Explanation: The event could not be processed because an error occurred in the core driver. This error could not be corrected, so the core driver has discarded the event.

Possible Cause: This error can be caused by configuration problems with the core driver.

Action: The error code usually corresponds to an LDAP error. Some more common LDAP errors and suggested actions follow.

3, 85 - Time-out. Increase the LDAP time-out value in the Web interface.

16 - No such attribute. The system attempted to access an attribute that was not present on an eDirectory object.

17 - Type not found. The schema might not have been correctly updated.

32 - Object not found. The system attempted to access an eDirectory object that was not present.



49 - Invalid credentials. Check the username and password in the Driver object parameters.

51, 52 - Busy/unavailable. Check the health of your LDAP server using DSTrace.

81 - Server down. Restart your LDAP server, or check network connectivity between the core driver server and the LDAP server.

For a full list of eDirectory errors, see your eDirectory documentation.

An error of -1 is an internal error. In this case, and for all errors, examine your log files for more information about the error.

#### **AXML0014E No GUID could be found for the event.**

Explanation: The GUID attribute for the event was not present in the XML document sent by the IDM engine.

Possible Cause: The GUID attribute might not be enabled in the driver Subscriber filter.

Action: Make sure the GUID attribute is enabled for Aliases, Users, Groups, and Organizational Roles in the driver Subscriber filter.

#### **AXML0015E Could not retrieve the LDAP attribute map. The ASAM Master User and Password driver parameters might be invalid, or the specified user does not have sufficient rights.**

Explanation: The core driver attempts to load a mapping of LDAP attribute names to eDirectory attribute names. This message is issued when the driver cannot load this mapping. The driver cannot start if it cannot read the attribute map.

Possible Cause: The LDAP Host and Port driver parameter might be invalid.

The ASAM Master User and Password driver parameters might be invalid. By default, a user named ASAMMaster is used to log in to eDirectory with an installation-generated password.

eDirectory or LDAP on the specified server might be down or in an error state.

Action: Check the LDAP Host and Port Driver object parameters, and verify that LDAP is running on the specified host and port. If a DNS name is specified, verify that DNS is working on the core driver host server.

Check the ASAM Master User and Password parameters to make sure a valid user and password are specified. Also, make sure the user has sufficient rights.

Verify that eDirectory and LDAP are healthy on the specified server.

## **2.7 CFG Messages**

Messages beginning with CFG are issued by Platform Configuration file processing.

#### **CFG001E Could not open configuration file *filename*.**

Explanation: Could not open the configuration file.

Possible Cause: There are several possible causes for this error.

The file does not exist. The default location for the file is in the ASAM\data directory. The file path can be specified by using the -a command line option.

You don't have permission to read the file.

On NetWare, long file name support is not loaded on the volume.

Action: Ensure that the configuration file exists at the correct location and that you have file system rights to read it.

#### **CFG002E Error parsing configuration file line: < *configline*>.**

Explanation: The line is not formatted as a valid configuration statement and cannot be parsed.

Action: Correct the line in the configuration file.

#### **CFG003W Configuration file line was ignored. No matching statement name found: < *configline*>.**

Explanation: This line is formatted as a valid configuration file statement, but the statement is not recognized. The line is ignored.

Possible Cause: The statement is typed wrong or the statement name is used only in a newer version of the software.

Action: Correct the statement.

#### **CFG004E Error parsing configuration file line. No statement name was found: < *configLine*>.**

Explanation: Could not parse a statement name on the configuration line.

Action: Correct the line in the configuration file to supply the required statement.

#### **CFG005E A required statement *statement\_id* is missing from the configuration file.**

Explanation: The *statement\_id* statement was not specified in the configuration file, but is required for the application to start.

Action: Add the required statement to the configuration file.

## **2.8 CFGA Messages**

Messages beginning with CFGA are issued during installation when migrating values from the `asamcore.conf` file to Driver object configuration parameters.

#### **CFGA001E Invalid ASAM System Container configuration.**

Explanation: The ASAM System Container Driver object configuration parameter is not valid.

Action: Correct the parameter.

**CFGA002E Invalid Entropy configuration.**

Explanation: The Entropy Driver object configuration parameter is not valid.

Action: Correct the parameter.

**CFGA003E Invalid ASAM Master User configuration.**

Explanation: The ASAM Master User Driver object configuration parameter is not valid.

Action: Correct the parameter.

**CFGA004E Invalid ASAM Master User Password configuration.**

Explanation: The ASAM Master User Password Driver object configuration parameter is not valid.

Action: Correct the parameter.

**CFGA005E Invalid LDAP Host and Port configuration.**

Explanation: The LDAP Host and Port Driver object configuration parameter is not valid.

Action: Correct the parameter.

**CFGA006E Invalid Locale configuration.**

Explanation: The Locale Driver object configuration parameter is not valid.

Action: Correct the parameter.

**CFGA007E Invalid ASAM Directory configuration.**

Explanation: The ASAM Directory Driver object configuration parameter is not valid.

Action: Correct the parameter.

**CFGA008E Invalid Debug Log File configuration.**

Explanation: The Debug Log File Driver object configuration parameter is not valid.

Action: Correct the parameter.

**CFGA009E Invalid Syslog Facility configuration.**

Explanation: The Syslog Facility Driver object configuration parameter is not valid.

Action: Correct the parameter.

**CFGA010E Invalid Storage Key configuration.**

Explanation: The Storage Key Driver object configuration parameter is not valid.

Action: Correct the parameter.

## 2.9 CFGP Messages

Messages beginning with CFGP are issued by platform configuration file processing.

**CFGP001E Invalid *statement\_name* statement.**

Explanation: The *statement\_name* statement is not valid.

Action: Correct the statement.

**CFGP002I There are no core drivers configured for provisioning. If you want to provision to this platform, specify a PROVISIONING statement.**

Explanation: No PROVISIONING statement was found in the platform configuration file.

Possible Cause: None was coded.

Action: If you want to provision users and groups to this platform, add a PROVISIONING statement to the platform configuration file.

**CFGP003I There are no core drivers configured for authentication. If you want to use authentication redirection or APIs on this platform, specify an AUTHENTICATION statement.**

Explanation: No AUTHENTICATION statement was found in the platform configuration file.

Possible Cause: None was coded.

Action: If you want to allow authentication redirection for this platform, add an AUTHENTICATION statement to the platform configuration file.

## 2.10 CRT Messages

Messages beginning with CRT are issued by Certificate Services.

**CRT001E Error: Certificate Authority not found.**

Explanation: The certificate authority could not be found.

Possible Cause: The core driver was not properly installed, or the certificate authority is damaged, missing, or in the wrong location.

Action: Verify that the core driver is properly installed and that its files are not damaged.

**CRT002E Error: Could not contact directory. Check username and password.**

Explanation: The username/password provided for basic authentication failed.

Possible Cause: The username and password specified in response to a prompt are incorrect.

The ASAM Master User and ASAM Master User Password are not correct.

Action: Ensure that the fully distinguished username and password are specified correctly.

Ensure that the ASAM Master User and ASAM Master User Password are specified correctly.

**CRT003E Error: Certificate Services not properly configured.**

Explanation: The Certificate Services configuration object and its attributes were not found.

Possible Cause: The core driver installation did not complete properly.

The core driver configuration specifies the wrong ASAM System OU.

Action: Verify that the core driver installation completed normally.

Verify that the ASAM System Container core driver parameter is correct.

**CRT004E Error: *component\_name* not properly configured.**

Explanation: Configuration information for *component\_name* is missing or incomplete.

Possible Cause: The administrator did not create and complete the proper component configuration using the Web interface.

Action: Examine the configuration object for the component with the Web interface.  
Provide any missing information, such as network address.

**CRT005E Error: Internal Server Error.**

Explanation: The core driver encountered an unknown error, such as out of memory or memory allocation failure.

Action: Ensure that sufficient memory is available.

**CRT006E Error: Insufficient rights to create *component\_name* configuration object.**

Explanation: You do not have sufficient rights to create the component configuration object.

Action: Obtain sufficient rights to the ASAM System container.

**CRT007E Error: Insufficient rights to modify *component\_name* configuration object.**

Explanation: You do not have sufficient rights to modify the component configuration object.

Action: Obtain sufficient rights to the ASAM System container.

**CRT008I All certificate and host information has been checked and verified successfully.**

Explanation: The certificate autocheck procedure has determined that all certificates for this particular driver have been located and include the correct host information.

Action: None. Informational only.

**CRT009I Certificates have been updated with new host information.**

Explanation: The certificate autocheck procedure has determined that the certificates for this driver are not current with the host information provided by the Fan-Out system. Therefore, new certificates have been created to include the correct host information.

Possible Cause: This driver might have been moved to another server, the server might have had a network configuration change, or the administrator might have added new host address information for this host.

Action: Use the Web interface to ensure that the correct host information is specified.

**CRT010I New driver certificates were created.**

Explanation: The certificate autocheck procedure was unable to locate an existing certificate for this driver. A new certificate authority was generated, along with a new certificate containing host information provided by the Fan-Out system.

Possible Cause: This can be caused by a new installation or upgrade.

Action: If this is not the expected behavior, check the file system under ASAM/CoreDriver/certs/ for an existing certificate authority and driver certificates. Make sure that the driver has appropriate access to these files.

**CRT011I The certificate authority was retrieved successfully from the primary core driver.**

Explanation: The certificate autocheck procedure was unable to locate a certificate authority and requested the information from the primary core driver. Upon retrieving the data successfully, new certificates were created for this driver with appropriate host information.

Possible Cause: This can result from a new installation or upgrade of a secondary core driver.

Action: If this behavior is not expected, check ASAM/CoreDriver/certs/ for existing certificates, and make sure that the driver is configured properly as a primary or secondary driver.

## 2.11 DIR Messages

Messages beginning with DIR are issued by the core driver during LDAP directory access.

**DIR001E Attribute Not Supported.**

Explanation: A call was made to the API routine to read the value of an attribute for an object, but the attribute specified is not supported. Only the Home Directory attribute is supported.

Action: Correct the API call in the application program.

**DIR002E Request Build Error.**

Explanation: The directory interface routine was unable to create a request to perform a directory action. This is an internal error.

Action: Examine the log for related messages.

**DIR003D Error.**

Explanation: This is a general error indication. This message is accompanied by other messages that provide additional details.

Action: Examine the log for related messages.

**DIR004D Success.**

Explanation: A directory operation was successful.

Action: No action is required.

**DIR005D Operations Error.**

Explanation: An LDAP operation returned LDAP\_OPERATIONS\_ERROR. This indicates an internal error. The server is unable to respond with a more specific error and is also unable to properly respond to a request. It does not indicate that the client has sent an erroneous message.

Action: Examine the log for related messages.

**DIR006D Protocol Error.**

Explanation: An LDAP operation returned LDAP\_PROTOCOL\_ERROR. This indicates that the server has received an invalid or malformed request from the client.

Action: Examine the log for related messages.

**DIR007D Time Limit Exceeded.**

Explanation: An LDAP operation returned LDAP\_TIMELIMIT\_EXCEEDED. This indicates that the operation's time limit specified by either the client or the server has been exceeded. On search operations, incomplete results are returned.

Action: Examine the log for related messages. Check the health of the server hosting LDAP.

**DIR008D Size Limit Exceeded.**

Explanation: An LDAP operation returned LDAP\_SIZELIMIT\_EXCEEDED. This indicates that in a search operation, the size limit specified by the client or the server has been exceeded. Incomplete results are returned.

Action: Examine the log for related messages.

**DIR009D Compare False.**

Explanation: An LDAP operation returned LDAP\_COMPARE\_FALSE. This does not indicate an error condition. It indicates that the results of a compare operation are false.

Action: No action is required.

**DIR010D Compare True.**

Explanation: An LDAP operation returned LDAP\_COMPARE\_TRUE. This does not indicate an error condition. It indicates that the results of a compare operation are true.

Action: No action is required.

**DIR011D Authentication Method Not Supported.**

Explanation: An LDAP operation returned LDAP\_AUTH\_METHOD\_NOT\_SUPPORTED. This indicates that during a bind operation the client requested an authentication method not supported by the LDAP server.

Action: Examine the log for related messages. Make sure your LDAP server is running the most current version.

#### **DIR012D Strong Authentication Required.**

Explanation: An LDAP operation returned LDAP\_STRONG\_AUTH\_REQUIRED. This indicates one of the following:

In bind requests, the LDAP server accepts only strong authentication.

In a client request, the client requested an operation, such as delete, that requires strong authentication.

In an unsolicited notice of disconnection, the LDAP server discovers the security protecting the communication between the client and server has unexpectedly failed or been compromised.

Possible Cause: LDAPHOST port set to the unencrypted port 289 instead of the default of 636.

Action: Examine the log for related messages. Make sure your LDAP server is running the most current version.

#### **DIR013D Partial Results.**

Explanation: An LDAP operation returned LDAP\_PARTIAL\_RESULTS. This should not occur. The server should return LDAP\_REFERRAL instead.

Action: Examine the log for related messages.

#### **DIR014D Referral.**

Explanation: An LDAP operation returned LDAP\_REFERRAL. This does not indicate an error condition. In LDAPv3, it indicates that the server does not hold the target entry of the request, but that the servers in the referral field might hold the target.

Action: No action is required.

#### **DIR015D Admin Limit Exceeded.**

Explanation: An LDAP operation returned LDAP\_ADMINLIMIT\_EXCEEDED. This indicates that an LDAP server limit set by an administrative authority has been exceeded.

Action: Examine the log for related messages. Check the health of the server hosting LDAP.

#### **DIR016D Unavailable Critical Extension.**

Explanation: An LDAP operation returned LDAP\_UNAVAILABLE\_CRITICAL\_EXTENSION. This indicates that the LDAP server was unable to satisfy a request because one or more critical extensions were not available. Either the server does not support the control or the control is not appropriate for the operation type.

Action: Examine the log for related messages. Make sure your LDAP server is running the most current version.



**DIR017D Confidentiality Required.**

Explanation: An LDAP operation returned LDAP\_CONFIDENTIALITY\_REQUIRED. This indicates that the session is not protected by a protocol such as Transport Layer Security (TLS), which provides session confidentiality.

Action: Examine the log for related messages. Make sure your LDAP server is running the most current version.

**DIR018D SASL Bind in Progress.**

Explanation: An LDAP operation returned LDAP\_SASL\_BIND\_IN\_PROGRESS. This does not indicate an error condition, but indicates that the server is ready for the next step in the process. The client must send the server the same SASL mechanism to continue the process.

Action: No action is required.

**DIR019D No Such Attribute.**

Explanation: An LDAP operation returned LDAP\_NO\_SUCH\_ATTRIBUTE. This indicates that the attribute specified in the modify or compare operation does not exist in the entry.

Action: Examine the log for related messages. Many times this requires no action.

**DIR020D Undefined Type.**

Explanation: An LDAP operation returned LDAP\_UNDEFINED\_TYPE. This indicates that the attribute specified in the modify or add operation does not exist in the LDAP server's schema.

Action: Make sure the schema has been properly extended.

**DIR021D Inappropriate Matching.**

Explanation: An LDAP operation returned LDAP\_INAPPROPRIATE\_MATCHING. This indicates that the matching rule specified in the search filter does not match a rule defined for the attribute's syntax.

Action: Examine the log for related messages.

**DIR022D Constraint Violation.**

Explanation: An LDAP operation returned LDAP\_CONSTRAINT\_VIOLATION. This indicates that the attribute value specified in a modify, add, or modify DN operation violates constraints placed on the attribute. The constraint can be one of size or content (string only, no binary).

Possible Cause: Password rules, such as uniqueness and length, are violated.

Action: Examine the log for related messages.

**DIR023D Type or Value Exists.**

Explanation: An LDAP operation returned LDAP\_TYPE\_OR\_VALUE\_EXISTS. This indicates that the attribute value specified in a modify or add operation already exists as a value for that attribute.

Action: Examine the log for related messages. This might not require any action.

#### **DIR024D Invalid Syntax.**

Explanation: An LDAP operation returned LDAP\_INVALID\_SYNTAX. This indicates that the attribute value specified in an add, compare, or modify operation is an unrecognized or invalid syntax for the attribute.

Action: Examine the log for related messages.

#### **DIR025D No Such Object.**

Explanation: An LDAP operation returned LDAP\_NO\_SUCH\_OBJECT. This indicates the target object cannot be found. This code is not returned on the following operations:

Search operations that find the search base but cannot find any entries that match the search filter.

Bind operations.

Action: Examine the log for related messages. Make sure the application is installed and configured correctly.

#### **DIR026D Alias Problem.**

Explanation: An LDAP operation returned LDAP\_ALIAS\_PROBLEM. This indicates that an error occurred when an alias was dereferenced.

Action: Examine the log for related messages. Check the server health of the LDAP host.

#### **DIR027D Invalid DN Syntax.**

Explanation: An LDAP operation returned LDAP\_INVALID\_DN\_SYNTAX. This indicates that the syntax of the DN is incorrect. (If the DN syntax is correct, but the LDAP server's structure rules do not permit the operation, the server returns LDAP\_UNWILLING\_TO\_PERFORM.)

Action: Examine the log for related messages.

#### **DIR028D Is Leaf.**

Explanation: An LDAP operation returned LDAP\_IS\_LEAF. This indicates that the specified operation cannot be performed on a leaf entry.

Action: Examine the log for related messages.

#### **DIR029D Alias Dereference Problem.**

Explanation: An LDAP operation returned LDAP\_ALIAS\_DEREF\_PROBLEM. This indicates that during a search operation, either the client does not have access rights to read the aliased object's name or dereferencing is not allowed.

Action: Examine the log for related messages. Check the health of the LDAP host.

### **DIR030D Inappropriate Authentication.**

Explanation: An LDAP operation returned LDAP\_INAPPROPRIATE\_AUTH. This indicates that during a bind operation, the client is attempting to use an authentication method that the client cannot use correctly. For example, the following can cause this error:

The client returns simple credentials when strong credentials are required.

The client returns a DN and a password for a simple bind when the entry does not have a password defined.

Action: Examine the log for related messages.

### **DIR031D Invalid Credentials.**

Explanation: An LDAP operation returned LDAP\_INVALID\_CREDENTIALS. This indicates that during a bind operation one of the following occurred:

The client passed either an incorrect DN or password.

The password is incorrect because it has expired, intruder detection has locked the account, or some other similar reason.

Action: Examine the log for related messages.

### **DIR032D Insufficient Access.**

Explanation: An LDAP operation returned LDAP\_INSUFFICIENT\_ACCESS. This indicates that the caller does not have sufficient rights to perform the requested operation.

Action: Examine the log for related messages.

### **DIR033D Busy.**

Explanation: An LDAP operation returned LDAP\_BUSY. This indicates that the LDAP server is too busy to process the client request at this time, but if the client waits and resubmits the request, the server might be able to process it later.

Action: Examine the log for related messages. Check the health of the LDAP server.

### **DIR034D Unavailable.**

Explanation: An LDAP operation returned LDAP\_UNAVAILABLE. This indicates that the LDAP server cannot process the client's bind request, usually because it is shutting down.

Action: Examine the log for related messages. Check the LDAP server's health.

### **DIR035D Unwilling to Perform.**

Explanation: An LDAP operation returned LDAP\_UNWILLING\_TO\_PERFORM. This indicates that the LDAP server cannot process the request because of server-defined restrictions. This error is returned for the following reasons:

The add entry request violates the server's structure rules.

The modify attribute request specifies attributes that users cannot modify.

Password restrictions prevent the action.

Connection restrictions prevent the action.

Action: Examine the log for related messages.

#### **DIR036D Loop Detected.**

Explanation: An LDAP operation returned LDAP\_LOOP\_DETECT. This indicates that the client discovered an alias or referral loop, and is thus unable to complete this request.

Action: Examine the log for related messages.

#### **DIR037D Naming Violation.**

Explanation: An LDAP operation returned LDAP\_NAMING\_VIOLATION. This indicates that the add or modify DN operation violates the schema's structure rules. For example:

The request places the entry subordinate to an alias.

The request places the entry subordinate to a container that is forbidden by the containment rules.

The RDN for the entry uses a forbidden attribute type.

Action: Examine the log for related messages.

#### **DIR038D Object Class Violation.**

Explanation: An LDAP operation returned LDAP\_OBJECT\_CLASS\_VIOLATION. This indicates that the add, modify, or modify DN operation violates the object class rules for the entry. For example, the following types of request return this error:

The add or modify operation tries to add an entry without a value for a required attribute.

The add or modify operation tries to add an entry with a value for an attribute that the class definition does not contain.

The modify operation tries to remove a required attribute without removing the auxiliary class that defines the attribute as required.

Action: Examine the log for related messages.

#### **DIR039D Not Allowed on Non Leaf Object.**

Explanation: An LDAP operation returned LDAP\_NOT\_ALLOWED\_ON\_NONLEAF. This indicates that the requested operation is permitted only on leaf entries. For example, the following types of requests return this error:

The client requests a delete operation on a parent entry.

The client requests a modify DN operation on a parent entry.

Action: Examine the log for related messages.

#### **DIR040D Not Allowed on RDN (Relative Distinguished Name).**

Explanation: An LDAP operation returned LDAP\_NOT\_ALLOWED\_ON\_RDN. This indicates that the modify operation attempted to remove an attribute value that forms the entry's relative distinguished name.

Action: Examine the log for related messages.

#### **DIR041D Already Exists.**

Explanation: An LDAP operation returned LDAP\_ALREADY\_EXISTS. This indicates that the add operation attempted to add an entry that already exists, or that the modify operation attempted to rename an entry to the name of an entry that already exists.

Action: Examine the log for related messages. This message might not require any action.

#### **DIR042D No Object Class Modifications.**

Explanation: An LDAP operation returned LDAP\_NO\_OBJECT\_CLASS\_MODS. This indicates that the modify operation attempted to modify the structure rules of an object class.

Action: Examine the log for related messages.

#### **DIR043D Results Too Large.**

Explanation: An LDAP operation returned LDAP\_RESULTS\_TOO\_LARGE. This indicates that the results of the request are too large.

Action: Examine the log for related messages.

#### **DIR044D Affects Multiple DSAS.**

Explanation: An LDAP operation returned LDAP\_AFFECTS\_MULTIPLE\_DSAS. This indicates that the modify DN operation moves the entry from one LDAP server to another and thus requires more than one LDAP server.

Action: Examine the log for related messages.

#### **DIR045D Other.**

Explanation: An LDAP operation returned LDAP\_OTHER. This indicates an unknown error condition. This is the default value for error codes that do not map to other LDAP error codes.

Action: Examine the log for related messages.

Use DSTRACE to gather more specific error information.

#### **DIR046D Server Down.**

Explanation: An LDAP operation returned LDAP\_SERVER\_DOWN. This indicates that the LDAP libraries cannot establish an initial connection with the LDAP

server. Either the LDAP server is down or the specified host name or port number is incorrect.

Action: Examine the log for related messages. Check LDAP server health.

#### **DIR047D Local Error.**

Explanation: An LDAP operation returned LDAP\_LOCAL\_ERROR. This indicates that the LDAP client has an error. This is usually a failed dynamic memory allocation error.

Action: Examine the log for related messages. Check LDAP server health.

#### **DIR048D Encoding Error.**

Explanation: An LDAP operation returned LDAP\_ENCODING\_ERROR. This indicates that the LDAP client encountered errors when encoding an LDAP request intended for the LDAP server.

Action: Examine the log for related messages. Check LDAP server health.

#### **DIR049D Decoding Error.**

Explanation: An LDAP operation returned LDAP\_DECODING\_ERROR. This indicates that the LDAP client encountered errors when decoding an LDAP response from the LDAP server.

Action: Examine the log for related messages.

#### **DIR050D Time Out.**

Explanation: An LDAP operation returned LDAP\_TIMEOUT. This indicates that the time limit of the LDAP client was exceeded while waiting for a result.

Action: Examine the log for related messages. Check LDAP server health.

#### **DIR051D Authentication Unknown.**

Explanation: An LDAP operation returned LDAP\_AUTH\_UNKNOWN. This indicates that the ldap\_bind or ldap\_bind\_s function was called with an unknown authentication method.

Action: Examine the log for related messages.

#### **DIR052D Filter Error.**

Explanation: An LDAP operation returned LDAP\_FILTER\_ERROR. This indicates that the ldap\_search function was called with an invalid search filter.

Action: Examine the log for related messages.

#### **DIR053D User Cancelled.**

Explanation: An LDAP operation returned LDAP\_USER\_CANCELLED. This indicates that the user cancelled the LDAP operation.

Action: Examine the log for related messages.

**DIR054D Parameter Error.**

Explanation: An LDAP operation returned LDAP\_PARAM\_ERROR. This indicates that an LDAP function was called with an invalid parameter value (for example, the ld parameter is NULL).

Action: Examine the log for related messages.

**DIR055D No Memory.**

Explanation: An LDAP operation returned LDAP\_NO\_MEMORY. This indicates that a dynamic memory allocation function failed when calling an LDAP function.

Action: Examine the log for related messages. Check LDAP server health.

**DIR056D Connect Error.**

Explanation: An LDAP operation returned LDAP\_CONNECT\_ERROR. This indicates that the LDAP client has either lost its connection or cannot establish a connection to the LDAP server.

Action: Examine the log for related messages.

**DIR057D Not Supported.**

Explanation: An LDAP operation returned LDAP\_NOT\_SUPPORTED. This indicates that the requested functionality is not supported by the client. For example, if the LDAP client is established as an LDAPv2 client, the libraries return this error code when the client requests LDAPv3 functionality.

Action: Examine the log for related messages.

**DIR058D Control Not Found.**

Explanation: An LDAP operation returned LDAP\_CONTROL\_NOT\_FOUND. This indicates that the client requested a control that the libraries cannot find in the list of supported controls sent by the LDAP server.

Action: Examine the log for related messages.

**DIR059D No Results Returned.**

Explanation: An LDAP operation returned LDAP\_NO\_RESULTS\_RETURNED. This indicates that the LDAP server sent no results. When the ldap\_parse\_result function is called, no result code is included in the server's response.

Action: Examine the log for related messages.

**DIR060D More Results to Return.**

Explanation: An LDAP operation returned LDAP\_MORE\_RESULTS\_TO\_RETURN. This indicates that more results are chained in the result message. The libraries return this code when the call to the ldap\_parse\_result function reveals that additional result codes are available.

Action: Examine the log for related messages.

**DIR061D Client Loop.**

Explanation: An LDAP operation returned LDAP\_CLIENT\_LOOP. This indicates the LDAP libraries detected a loop. Usually this happens when following referrals.

Action: Examine the log for related messages.

**DIR062D Referral Limit Exceeded.**

Explanation: An LDAP operation returned LDAP\_REFERRAL\_LIMIT\_EXCEEDED. This indicates that the referral exceeds the hop limit. The hop limit determines how many servers the client can hop through to retrieve data. For example, assume the following conditions:

The hop limit is two.

The referral is to server D, which can be contacted only through server B (1 hop) which contacts server C (2 hops) which contacts server D (3 hops)

With these conditions, the hop limit is exceeded and the LDAP libraries return this code.

Action: Examine the log for related messages.

**DIR063D No Such Object.**

Explanation: A call was made to the API routine to determine if a user has security equivalence to an object, but the object does not exist.

Action: This can be normal. The application should handle this as appropriate.

**DIR064D Invalid Argument.**

Explanation: An argument to a directory routine was not valid.

Action: Examine the log for related messages.

**DIR065D Revoked.**

Explanation: In a directory operation involving a User object, the user was found to have the login disabled flag set.

Action: Examine the log for related messages and handle the event as appropriate.

**DIR066W Unable to connect to LDAP. Component will retry connection periodically.**

Explanation: An attempt to connect to the configured LDAP server failed. The component issuing this message periodically retries the connection. When the connection is successful, the component continues processing.

Possible Cause: The configured LDAP server is not started or is unreachable.

Action: Make sure that an LDAP server is running at the configured LDAP host and port.

**DIR067W Directory Services returned rc.**

Explanation: An LDAP error occurred. The LDAP return code is given by *rc*.



Action: Check LDAP server health.

**DIR068E LDAP Server server is not responding correctly. RC = rc.**

Explanation: The LDAP server specified by the LDAP Host and Port Driver object configuration parameter is not responding to a search request on the ASAM System container.

Action: Restart the LDAP server and make sure LDAP services are available.

**DIR069I LDAP Server is now responding to requests.**

Explanation: The LDAP server specified by the LDAP Host and Port Driver object configuration parameter is now up and responding correctly to requests.

Action: None.

## 2.12 DOM Messages

Messages beginning with DOM are issued by driver components as they communicate among themselves.

**DOM0001W XML parser error encountered: *errorString*.**

Explanation: An error was detected while trying to parse an XML document.

Possible Cause: The XML document was incomplete, or it was not a properly constructed XML document.

Action: See the error string for additional details about the error. Some errors, such as no element found, can occur during normal operation and indicate that an empty XML document was received.

## 2.13 EJS Messages

Messages beginning with EJS are issued by Event Journal Services.

**EJS0001E No Platform object FDN was provided with the Platform Receiver request.**

Explanation: The Platform object FDN was missing from the Platform Receiver request. The Platform object FDN is required for every Platform Receiver request and is used to identify the corresponding Platform object in eDirectory.

Possible Cause: The security certificate was not found by the Platform Receiver, or an invalid security certificate is installed.

Action: Install a security certificate on the platform.

**EJS0002E Unable to create an instance of the string handler.**

Explanation: An instance of the string handler object could not be created.

Possible Cause: There might not be enough free memory available on the system.

Action: Ensure that there is adequate free memory available.

**EJS0003E Unable to create an instance of the memory manager.**

Explanation: An instance of the memory manager object could not be created.

Possible Cause: There might not be enough free memory available on the system.

Action: Ensure that there is adequate free memory available.

**EJS0004E Unable to create an instance of the ASAM directory interface, direrr=*DirectoryError* ( *DirectoryErrorText*).**

Explanation: An instance of the ASAM directory interface object could not be created.

Possible Cause: There are several possible causes of this error:

An invalid ASAM Master User or ASAM Master User Password is specified in the Driver object parameters.

An invalid DNS name or IP address, or port number is specified for the LDAP Host and Port in the Driver object parameters.

The LDAP host is down or not responding to requests.

Action: Ensure that the correct ASAM Master User Password is specified in the Driver object parameters.

Ensure that the correct network address and port is specified for the LDAP Host and Port in the Driver object parameters.

Ensure that the host running the LDAP server is functioning correctly.

**EJS0005E Directory Search object *DirectorySearchObjectFDN* not found with scope= *DirectorySearchScopeLevel*.**

Explanation: The object was not found using the specified directory search scope. The scope can be one of the following values: *DirectoryScopeBase*, *DirectoryScopeOneLevel*, *DirectoryScopeSubtree*.

This message is accompanied by messages EJS0007W and EJS0008W.

Possible Cause: The search did not find any results that matched the search criteria.

Action: No action is required.

**EJS0006E Directory search error for object *DirectorySearchObjectFDN*, direrr= *DirectoryError* ( *DirectoryErrorText*), numRows= *DirectoryEntriesReturned*, scope= *DirectorySearchScopeLevel*.**

Explanation: An error occurred while searching for the specified object. This message is accompanied by messages EJS0007W and EJS0008W.

Possible Cause: See the direrr value to determine the cause of the error.

Action: Correct the cause of the error and retry the Platform Receiver request.

**EJS0007W Directory search requested attributes= *DirectoryAttributes*.**

Explanation: This message shows the attributes that were requested for the search. This message is accompanied by messages EJS0005E, or EJS0006E, and EJS0008W.

Action: No action is required.

**EJS0008W Directory search for values= *DirectorySearchValues*.**

Explanation: This message shows the matching criteria for the search request.

Action: No action is required.

**EJS0009E Directory modification error for object *DirectoryObjectFDN*, direrr=*DirectoryError* ( *DirectoryErrorText*), actions= *ActionsToPerform*.**

Explanation: An error occurred while trying to modify an attribute value for the specified object. The displayed actions are the actions and attributes that were to be modified.

Possible Cause: See the direrr value to determine the cause of the error.

Action: Correct the cause of the error and retry the Platform Receiver request.

**EJS0010E Directory modification error for object *DirectoryObjectFDN*, direrr=*DirectoryError* ( *DirectoryErrorText*).**

Explanation: An error occurred while trying to modify an attribute value for the specified object.

Possible Cause: See the direrr value to determine the cause of the error.

Action: Correct the cause of the error and retry the Platform Receiver request.

**EJS0011E Unable to create or obtain the Event Journal Services Platform item.**

Explanation: An instance of the Event Journal Service item could not be created.

Possible Cause: There are several possible causes of this error:

There might not be enough free memory available on the system.

A string handler interface could not be created (look for message EJS0002E).

A memory manager interface could not be created (look for message EJS0003E).

An ASAM directory interface object could not be created (look for message EJS0004E).

The Platform FDN provided by the Platform Receiver is invalid (look for message EJS00031E).

Action: Ensure that there is adequate free memory available. Perform the actions for any additional messages that were issued.

**EJS0012W Event *EventType* for object *DirectoryObjectFDN* could not be processed.**

Explanation: An event for the specified Platform FDN could not be processed.

Possible Cause: Required information needed to process the event was not found. If this was a change password event, the Platform object does not have the Permit Password Replication attribute enabled.

Action: Look for other messages beginning with the EJS prefix to determine what information that is needed to process this event is missing.

**EJS0013W Unable to obtain UID/GID information for object *DirectoryObjectFDN*.**

Explanation: No UID or GID information exists for the specified object.

Possible Cause: The specified object has no corresponding UID/GID object in the UID/GID Set for the platform, or the UID/GID object contains no value for the UIDGIDNumber attribute.

Action: Ensure that a UID/GID Set is defined for the Platform Set. Run a Trawl to create the appropriate UID/GID objects.

**EJS0014E Unable to create a directory search request.**

Explanation: A directory search request object could not be created.

Possible Cause: There might not be enough free memory available on the system.

Action: Ensure that there is adequate free memory available.

**EJS0015E Unable to delete attribute *DirectoryAttribute* for object *DirectoryObjectFDN*.**

Explanation: The attribute could not be deleted for the specified object.

Possible Cause: There might not be enough free memory available on the system.

Action: Ensure that there is adequate free memory available.

**EJS0016E Unable to add attribute *DirectoryAttribute* with value *AttributeValue* for object *DirectoryObjectFDN*.**

Explanation: The attribute could not be added for the specified object.

Possible Cause: There might not be enough free memory available on the system.

Action: Ensure that there is adequate free memory available.

**EJS0017E Unable to create a directory modify attributes request.**

Explanation: A directory modification request object could not be created.

Possible Cause: There might not be enough free memory available on the system.

Action: Ensure that there is adequate free memory available.

**EJS0018E Unable to delete value *AttributeValue* for attribute *DirectoryAttribute* for object *DirectoryObjectFDN*.**

Explanation: The attribute value could not be deleted for the specified object.

Possible Cause: There might not be enough free memory available on the system.

Action: Ensure that there is adequate free memory available.

**EJS0019E Unable to replace attribute *DirectoryAttribute* value *OldAttributeValue* with new value *NewAttributeValue* for object *DirectoryObjectFDN*.**

Explanation: The attribute value could not be replaced by the new value for the specified object.

Possible Cause: There might not be enough free memory available on the system.

Action: Ensure that there is adequate free memory available.

**EJS0020E Unable to obtain the CN of the Platform object *DirectoryObjectFDN*.**

Explanation: No common name attribute exists for the specified object.

Possible Cause: This situation should not occur under normal circumstances.

Action: Collect diagnostic information and contact Support.

**EJS0021E No Census object was found for the Platform object *DirectoryObjectFDN*.**

Explanation: No corresponding Census object was found for the specified object.

Possible Cause: This situation should not occur under normal circumstances.

Action: Collect diagnostic information and contact Support.

**EJS0022E Unable to parse the journal value for object *DirectoryObjectFDN*.**

Explanation: The events could not be parsed for the specified object.

Possible Cause: This situation should not occur under normal circumstances.

Action: Collect diagnostic information and contact Support.

**EJS0023I No UID/GID number was found for object *DirectoryObjectFDN*.**

Explanation: The UID/GID number attribute was not found for the specified object.

Possible Cause: The Platform Set that contains the associated user or group object might not have a UID/GID Set defined.

Action: Ensure that the Platform Set that contains the associated User or Group object has a UID/GID Set defined.

**EJS0024W No Platform Receiver attribute list was loaded for object class *DirectoryObjectClass*.**

Explanation: The Platform Receiver attribute list was not loaded for the specified object class.

Possible Cause: No attributes that are to be sent to the Platform Receivers are defined for the specified object type.

The LDAP server is down or not responding properly.

Action: Add the appropriate attributes to the Subscriber filter.

**EJS0026W The password could not be retrieved for object *DirectoryObjectFDN*.**

Explanation: The object's password could not be retrieved.

Possible Cause: The object might not have the old password set in ePassword.

Action: None. Normal processing continues.

**EJS0029E *ElementTagName* SOAP element could not be created in the Platform response document.**

Explanation: The specified SOAP structure element tag name could not be created.

Possible Cause: There might not be enough free memory available on the system.

Action: Ensure that there is adequate free memory available.

**EJS0031E Invalid Platform FDN *platformFDN* was specified by the Platform Receiver.**

Explanation: The Platform FDN provided in the Platform Receiver request was invalid.

Possible Cause: The object referenced by the FDN does not exist in eDirectory.

Action: Ensure that the correct security certificate has been installed on the platform.  
Also ensure that the Platform object has been created in eDirectory.

**EJS0032E Unable to search for pending events for Platform *platformFDN*.**

Explanation: The search criteria was empty for the search request during a Polling or Persistent Mode request. The search for events is not performed.

Possible Cause: This situation should not occur under normal circumstances.

Action: Collect diagnostic information and contact Support.

**EJS0033I Platform *PlatformName* returned *ReturnCode* for event *EventType* for object *DirectoryObjectFDN*.**

Explanation: The Platform Receiver running on the specified platform returned the return code after processing the event for the specified object. The possible return codes values are:

prrcSuccess - The event was successfully processed by the Platform Receiver.

prrcIgnored - The event was ignored by the Platform Receiver.

prrcExcluded - The event was excluded by the Platform Receiver.

prrcWarning - The event was processed by the Platform Receiver, but all necessary actions were not completed.

prrcError - The event was not processed successfully by the Platform Receiver.

Action: No action is required.

**EJS0034I Processed event *EventType* for Platform *PlatformName* was removed for object *DirectoryObjectFDN*.**

Explanation: The event was successfully processed by the specified platform. The event is now being removed for this platform.

Action: No action is required.

**EJS0035I Platform *PlatformName* added association *PlatformAssociation* for object *DirectoryObjectFDN*.**

Explanation: The Platform Receiver assigned the specified association name to the directory object.

Action: No action is required.

**EJS0037I Platform *PlatformName* has *NumberOfEvents* events pending.**

Explanation: The platform has the specified number of pending events that are waiting to be processed by the Platform Receiver.

Action: No action is required.

**EJS0038W A Platform Receiver is already active for Platform *platformName*.**

Explanation: A Platform Receiver made a request to the Event Journal Services component of the core driver, but a Platform Receiver is already active for the specified platform. Only one Platform Receiver can be active at a time for a Platform object.

Possible Cause: Multiple Platform Receivers are attempting requests for the same Platform object.

It is also possible that a Platform Receiver has abended and left its connection token active with Event Journal Services.

Action: Run only one instance of the Platform Receiver at a time for each Platform object.

If a Platform Receiver abended, and you are trying to start a new one, allow several minutes for Event Journal Services to release control to a new instance of the Platform Receiver.

**EJS0041I Searching for objects with pending events for Platform *platformName*.**

Explanation: The Event Journal Services component of the core driver is searching for events that are pending for the specified platform.

Possible Cause: This message is in response to a get next event request from the Platform Receiver.

Action: None.

**EJS0042I Pending event search for Platform *platformName* returned *numObjects* objects.**

Explanation: A search for pending events for the specified platform returned the displayed number of user or group objects that have one or more pending events.

Possible Cause: This message is in response to a get next event request from the Platform Receiver.

Action: None

**EJS0043I Ready to send events to Platform *platformName*.**

Explanation: The Event Journal Services component of the core driver has finished processing the list of objects with pending events. Event Journal Services now begins sending these events to the Platform Receiver running on the specified platform.

Possible Cause: This message is in response to a get next event request from the Platform Receiver.

Action: None.

**EJS0044I Removing all error events for Platform *platformName*.**

Explanation: All error events for the specified platform are being removed.

Possible Cause: A Full Sync operation being performed by a Platform Receiver  
An administrator is clearing the events using the Web interface.

Action: None.

**EJS0045I Re-sending all error events for Platform *platformName*.**

Explanation: All error events for the specified Platform are being re-sent to the Platform Receiver for retry.

Possible Cause: This action is the result of an administrator using the Web interface to specify that all error events for the platform be re-sent to the Platform Receiver.

Action: None.

**EJS0046I Removing event *eventType* for object *objectCN*.**

Explanation: An error event is being removed for the specified object.

Possible Cause: This can be in response to a request to remove all errors for a platform, or a request to remove the error for the individual object that is specified.

Action: None.

**EJS0047I Re-sending error event *eventType* for object *objectCN*.**

Explanation: An error event is being re-sent to the Platform Receiver for the specified object.

Possible Cause: This can be in response to a request to re-send all errors for a platform or a request to re-send the error for the individual object that is specified.

Action: None.

**EJS0048I Platform Receiver *platformName* version is *version* build level *build*.**

Explanation: The Platform Receiver is running the specified version and build level code.

Action: None.



**EJS0049E Event *event* for object *objectCN* was changed to an error state.**

Explanation: The event for the specified object could not be processed. The event has been set to an internal error state so that it will not be processed again until an administrator re-sends the error events for the platform.

Possible Cause: The Platform Receiver could not process the event and returned an error to the core driver.

The core driver was trying to process the event, but it could not obtain the object's password from ePassword.

Action: An Administrator can use the Web interface to re-send all error events to the platform.

**EJS0050E Unable to open temporary file *fileName* for event processing (error= *errno*, reason= *reason*).**

Explanation: The Event Journal Services component of the core driver could not open the specified temporary file that is needed for processing of queued events.

Possible Cause: The path might be invalid.

The core driver might not have the proper permissions to the file system.

The file system might be full.

Action: Make sure the file path exists.

Make sure the core driver has read/write permission to the path.

Make sure enough space exists on the volume.

**EJS0051E Unable to obtain a directory connection.**

Explanation: A connection could not be established to eDirectory.

Possible Cause: The replica could be down or not responding.

Action: Try the action again.

**EJS0052E Unable to create temporary work files.**

Explanation: The Event Journal Services component of the core driver could not create any temporary work files.

Possible Cause: The path might be invalid.

The core driver might not have the proper permissions to the file system.

The file system might be full.

Action: Make sure the file path exists.

Make sure the core driver has read/write permission to the path.

Make sure enough space exists on the volume.

**EJS0053I Now attempting to process event *eventType* for object *objectDN*.**

Explanation: The Event Journal Services component of the core driver is processing the event for the specified object.

Action: None.

**EJS0054E Unable to add attribute *attributeName* value *attributeValue* for object *objectCN*.**

Explanation: The attribute value could not be added for the specified object.

Possible Cause: There might not be enough free memory available on the system.

Action: Ensure that there is adequate free memory available.

**EJS0055E Populate event was generated for object *objectCN* on platform *platformName*.**

Explanation: A populate event was generated for the specified object for the single platform.

Possible Cause: The generation of the event is usually in response to a Web request to repopulate the user on the desired platforms.

Action: None.

**EJS0056I Updated event timestamps for platform *PlatformName*.**

Explanation: One or more attributes used for tracking event processing have been updated for the platform object.

Action: None.

**EJS0057I Removing error event *eventType* for object *objectCN*.**

Explanation: An error event is being removed for the specified object.

Possible Cause: This can be in response to a request to remove all errors for a platform, or a request to remove the error for the individual object that is specified.

Action: None.

**EJS0058E Unable to create ASAM Directory Interface item.**

Explanation: The Event Journal Services component of the core driver could not create a directory interface object.

Possible Cause: The LDAP server is down.

The server is low on memory.

Action: Retry the attempted operation.

**EJS0059E Ignoring event for *objectDN* because of error status.**

Explanation: The pending event for the specified object is ignored because an error state currently exists for the object.

Possible Cause: There are several possible causes for this error.

The platform returned an error while attempting to process the event.

If the event was for a User object, the eUser password was not available, and the platform's permit password replication setting is YES, an error state is returned for that User object.

Invalid event data.

Action: Check the platform logs to see if script errors are being reported for that object.

Check for platform errors using the Web interface, and re-send the error events to the platform.

Use the Web interface to clear error events for the platform if needed.

## 2.14 HES Messages

Messages beginning with HES are issued by driver components as they use HTTP to communicate.

### **HES001E Unable to initialize the HTTP client.**

Explanation: Communications in the client could not be initialized.

Possible Cause: Memory is exhausted.

Action: Increase the amount of memory available to the process.

### **HES002I Connecting to host *host\_name* on port *port\_number*.**

Explanation: The client is trying to connect to its desired server.

Action: None.

### **HES003W Core driver has an incorrect certificate. rc = *rc*.**

Explanation: The security certificate for a core driver could not be verified. Message HES002I precedes this message and identifies the core driver involved.

Possible Cause: The certificate files for the core driver might be missing or invalid.

Action: Obtain a new certificate for the core driver.

## 2.15 LWS Messages

Messages beginning with LWS are issued by the core driver as it functions as an HTTP server.

### **LWS0001I Server has been initialized.**

Explanation: The server has successfully completed its initialization phase.

Action: None. Informational only.

### **LWS0002I All services are now active.**

Explanation: All of the services offered by the server are now active and ready for work.

Action: None. Informational only.

**LWS0003I Server shut down successfully.**

Explanation: The server processing completed normally. The server ends with a return code of 0.

Action: No action is required.

**LWS0004W Server shut down with warnings.**

Explanation: The server processing completed normally with at least one warning. The server ends with a return code of 4.

Action: See the message log for additional messages that describe the warning conditions.

**LWS0005E Server shut down with errors.**

Explanation: The server processing ended with one or more errors. The server ends with a return code of 8.

Action: See the message log for additional messages that describe the error conditions.

**LWS0006I Starting service.**

Explanation: The server is starting the specified service.

Action: None. Informational only.

**LWS0007E Failed to start service.**

Explanation: The server attempted to start the specified service, but the service was unable to start. The server terminates processing.

Action: See the message log for additional messages that describe the error condition.

**LWS0008I Stopping all services.**

Explanation: The server was requested to stop by an operator STOP command. All services are notified and will subsequently end processing.

Action: None. Informational only.

**LWS0009I Local host is *host\_name* ( *IP\_address* ).**

Explanation: This message shows the host name and IP address of the machine the server is running on.

Action: None. Informational only.

**LWS0010I Local host is *IP\_address*.**

Explanation: This message shows the IP address of the machine the server is running on.

Action: None. Informational only.

**LWS0011I Server is now processing client requests.**

Explanation: The server has successfully started all configured services, and it is ready for clients to begin requests.

Action: None. Informational only.

**LWS0012I *service* is now active on port *number*.**

Explanation: The server *service* is running on the specified TCP port *number*. Clients can begin making requests to the specified service.

Action: None. Informational only.

**LWS0013I *service* is now inactive on port *number*.**

Explanation: The server *service* is not active on the specified TCP port *number*. Processing continues, but no client requests can be made to the service until it becomes active again.

Action: None. Informational only.

**LWS0014E An error was encountered while parsing execution parameters.**

Explanation: An error occurred while parsing the EXEC PARMs. The server terminates with a minimum return code of 8.

Action: Collect diagnostic information and contact Support.

**LWS0015E *service* failed to start with error *number*.**

Explanation: The specified service failed to start. The server terminates with a minimum return code of 8.

Action: Collect diagnostic information and contact Support.

**LWS0020I Server *version* level: *level*.**

Explanation: This message contains information detailing the current service level for the server program being executed. The value of *version* indicates the current release of the server. The value of *level* is a unique sequence of characters that can be used by software support to determine the maintenance level of the server being executed.

Action: Normally, no action is required. However, if a problem with the server is called in to Support, you might be asked to provide the information in the message.

**LWS0023I Listen port *number* is already in use.**

Explanation: The displayed listen port is already in use by another task running on the local host. The server retries establishing the listen port.

Action: Determine what task is using the required port number and restart the server when the task is finished, or specify an alternate port in the configuration file. If the port number is changed for the server, the client must also specify the new port number.

**LWS0024W Too many retries to obtain port *number*.**

Explanation: The server tried multiple attempts to establish a listen socket on the specified port number, but the port was in use. The server terminates with a return code of 4.

Action: Determine what task is using the required port number, and restart the server when the task is finished, or specify an alternate port in the configuration file. If the port number is changed for the server, the client must also specify the new port number.

**LWS0025I Local TCP/IP stack is down.**

Explanation: The server detected that the local host TCP/IP address space is not active or is unavailable. The server retries every two minutes to reestablish communication with the TCP/IP address space.

Action: Ensure that the TCP/IP address space is running.

**LWS0026E Unrecoverable TCP/IP error *number* returned from *internal\_function\_name*.**

Explanation: An unrecoverable TCP/IP error was detected in the specified internal server function name. The server ends with a minimum return code of 8. The error number reported corresponds to a TCP/IP errno value.

Action: Correct the error based on TCP/IP documentation for the specified errno.

**LWS0027W Listen socket was dropped for port *number*.**

Explanation: The server's connection to the displayed listen port was dropped. The server attempts to reconnect to the listen port so that it can receive new client connections.

Action: Determine why connections are being lost on the local host. Ensure that the host's TCP/IP services are up and running.

**LWS0028E Unable to reestablish listen socket on port *number*.**

Explanation: The listen socket on the specified port number was dropped. The server tried multiple attempts to reestablish the listen socket, but all attempts failed. The server ends with a return code of 8.

Action: Determine if the host's TCP/IP service is running. If the host's TCP/IP service is running, determine if another task on the local host is using the specified port.

**LWS0029I < *id* > Client request started from *ip\_address* on port *number*.**

Explanation: A new client request identified by *id* has been started from the specified IP address on the displayed port number.

Action: None. Informational only.

**LWS0030I < *id* > Client request started from *host* ( *ip\_address* ) on port *number*.**

Explanation: A new client request identified by *id* has been started from the specified host and IP address on the displayed port number.

Action: None. Informational only.

**LWS0031W Unable to stop task *id*: *reason*.**

Explanation: The server attempted to terminate a service task identified by *id*. The server was unable to stop the task for the specified reason. The server ends with a return code of 4.

Action: See the reason text for more information about why the task was unable to terminate.

**LWS0032I < *id*> Client request has ended.**

Explanation: The client requested identified by *id* has ended.

Action: None. Informational only.

**LWS0033I < *id*> Client request: *resource*.**

Explanation: The client connection identified by *id* issued a request for *resource*.

Action: None. Informational only.

**LWS0034W < *id*> Write operation for client data has failed.**

Explanation: A write operation failed for the connection identified by *id*. This is normally because the client dropped the connection. The client connection is dropped by the server.

Action: Ensure that the client does not prematurely drop the connection. Retry the client request if necessary.

**LWS0035W < *id*> Read operation for client data has timed out.**

Explanation: A read operation on the connection identified by *id* has timed out because of inactivity. The client connection is dropped by the server.

Action: Ensure that the client does not prematurely drop the connection. Retry the client request if necessary.

**LWS0036W < *id*> Client request error: *error\_code* - *error\_text*.**

Explanation: The server encountered an error while processing the client request. The server terminates the request.

Action: Determine why the request was in error by viewing the error code and error text that was generated.

**LWS0037W < *id*> Client request error: *code*.**

Explanation: The server encountered an error while processing the client request. The server terminates the request.

Action: Determine why the request was in error by viewing the error code and error text that was generated.

**LWS0038I Received command: *command\_text*.**

Explanation: The server has received the displayed command from the operator. The server processes the command.

Action: None. Informational only.

**LWS0043E Task *id* ended abnormally with RC= *retcode*.**

Explanation: The server detected a task that ended with a non-zero return code. The server ends with a minimum return code of 8.

Action: View the message log for other messages that might have been generated regarding the error.

**LWS0045I Idle session time-out is *number* seconds.**

Explanation: The message shows the idle time limit for connections. The server automatically terminates sessions that are idle for longer than the specified number of seconds.

Action: None. Informational only.

**LWS0046I Maximum concurrent sessions limited to *number*.**

Explanation: The message shows the maximum number of concurrent sessions allowed. The server only allows the specified number of concurrent sessions to be active at any given time. All connections that exceed this limit are forced to wait until the total number of connections drops below the specified value.

Action: None. Informational only.

**LWS0047W Unable to delete log file *filename*.**

Explanation: The log file could not be deleted as specified through the Web interface.

Possible Cause: The ASAM Master User does not have file system rights to delete old log files.

Action: Verify that the ASAM Master User has the appropriate rights.

Examine the current logs for related messages.

**LWS0048I Log file *filename* successfully deleted.**

Explanation: The log file has been deleted as specified through the Web interface.

Action: None. Informational only.

**LWS0049E Error *error* authenticating to the directory as *fdn*.**

Explanation: The connection manager was unable to connect to the directory as user *fdn*. The error was *error*.

Possible Cause: The Driver object configuration parameters do not contain the correct password for the ASAM Master User object.

Action: Correct the cause of the error as determined from *error*.

Verify that the ASAM Master User has the appropriate rights.

Verify that the password given for the ASAM Master User object in the configuration parameters is correct.



### **LWS0050E Server application initialization failure was detected.**

Explanation: During server initialization, an error was detected while trying to initialize the server's application object.

Action: See the error logs for additional messages that indicate the cause of the error.

### **LWS0051E Server initialization failure was detected.**

Explanation: The server failed to initialize properly because of an operating system specific initialization error.

Action: See the error logs for additional messages that indicate the cause of the error.

## **2.16 NET Messages**

Messages beginning with NET are issued by driver components during verification of SSL certificates.

### **NET001W Certificate verification failed. Result is *result*.**

Explanation: A valid security certificate could not be obtained from the connection client. Diagnostic information is given by *result*.

Possible Cause: A security certificate has not been obtained for the component.

The security certificate has expired.

The component's CERTS directory has been corrupted.

Action: Respond as indicated by *result*. Obtain a new certificate if appropriate.

## **2.17 OAP Messages**

Messages beginning with OAP are issued by driver components when communicating among themselves.

### **OAP001E Error in SSL configuration. Check system for entropy.**

Explanation: Entropy could not be obtained for SSL.

Possible Cause: A source of entropy is not configured for the system.

Action: Obtain and configure a source of entropy for the system.

### **OAP002E Error in SSL connect. Network address does not match certificate.**

Explanation: The SSL client could not trust the SSL server it connected to because the address of the server did not match the DNS name or IP address that was found in the certificate for the server.

Possible Cause: The core driver dn is missing from the driver XML.

Action: If you cannot resolve the error, collect diagnostic information and call Support.

### **OAP003E Error in SSL connect. Check address and port.**

Explanation: A TCP/IP connection could not be made.

Possible Cause: The server is not running.

The configuration information does not specify the correct network address or port number.

Action: Verify that the server is running properly.

Correct the configuration.

#### **OAP004E HTTP Error: *cause*.**

Explanation: The username/password provided for basic authentication failed.

Possible Cause: The username or password was incorrect.

Action: Check that username was in full context (cn=user,ou=ctx,o=org or user.ctx.org) and the password was correctly typed in.

#### **OAP005E HTTP Error: Internal Server Error.**

Explanation: The server experienced an internal error that prevents the request from being processed.

Possible Cause: A secure LDAP server is not available.

Action: Ensure that the LDAP server is available.

Ensure that the LDAP Host and Port Driver object configuration parameter is specified correctly.

## **2.18 OBJ Messages**

Messages beginning with OBJ are issued by Object Services.

#### **OBJ001I Processing Users In *search\_object*.**

Explanation: The Trawl is detecting all users specified by *search\_object* and checking those users to determine if updates are needed in the Census.

Action: None. Informational only.

#### **OBJ002I Checking for deleted users.**

Explanation: The Trawl is looking for Enterprise Users that were not found during the processing of users specified by the Search objects. Any Enterprise Users whose corresponding User object was not found are removed from the Census.

Action: None. Informational only.

#### **OBJ004I Processing groups in *search\_object*.**

Explanation: The Trawl is detecting all groups specified by *search\_object* and checking those groups to determine if updates are needed in the Census.

Action: None. Informational only.

**OBJ005I Checking for deleted groups.**

Explanation: The Trawl is looking for Enterprise Groups that were not found during the processing of groups specified by the Search objects. Any Enterprise Group whose corresponding group object was not found is removed from the Census.

Action: None. Informational only.

**OBJ007I Starting Trawl.**

Explanation: A Census Trawl is starting.

Action: None. Informational only.

**OBJ008I Phase *phase\_number*: Processing Users.**

Explanation: The Census Trawl is verifying information in the Census pertaining to users.

Action: None. Informational only.

**OBJ009I Phase *phase\_number*: Processing Groups.**

Explanation: The Census Trawl is verifying information in the Census pertaining to groups.

Action: None. Informational only.

**OBJ010I Trawl complete.**

Explanation: A Census Trawl is ending.

Action: None. Informational only.

**OBJ013W No valid Search objects found for *Census\_or\_Platform\_set*.**

Explanation: *Census\_or\_Platform\_set* has no Search objects defined.

Possible Cause: Configuration of the product might not be complete.

Action: Define Search objects for the identified component.

**OBJ014W No Platforms found in *Platform\_set*.**

Explanation: Platform Set *Platform\_set* has no platforms defined for it.

Possible Cause: Configuration of the Platform Set might not be completed.

Action: Add desired platforms to the Platform Set.

**OBJ015I No UID/GID Sets found.**

Explanation: No UID/GID Sets were found.

Possible Cause: No UID/GID Set has been created.

Action: If UNIX Platforms are to be controlled, define needed UID/GID Sets.

**OBJ016W Search object *search\_object\_name* does not have a value for *attribute\_name*. It is ignored.**

Explanation: A Search object must have a value for *attribute\_name* in order to be processed. *search\_object\_name* does not have this value.

Possible Cause: The Search object might have been edited manually.

Action: Determine the intended values for the Search object and set the values.

**OBJ017E UID/GID Set *UID\_GID\_set\_name*, specified for Platform Set *Platform\_set\_name*, was not found.**

Explanation: The UID/GID Set named *UID\_GID\_set\_name* could not be found. It is referenced by Platform Set *Platform\_set\_name*. Identity Provisioning cannot function properly on any UNIX platforms defined for the Platform Set named *Platform\_set\_name*.

Possible Cause: The UID/GID Set container named *UID\_GID\_set\_name* was manually removed from eDirectory.

Action: Restore the UID/GID container named *UID\_GID\_set\_name* from backup.

**OBJ018W No Platform Sets found.**

Explanation: No Platform Sets were found. Account information cannot be exported to any platforms.

Possible Cause: Configuration of the product might not have been completed.

Action: Define Platform Sets as needed for your installation.

**OBJ019I UID/GID *number* assigned to user in UID/GID Set *uidgid\_set\_name*.**

Explanation: UID/GID number *number* has been assigned to user *user* in UID/GID Set *uidgid\_set\_name*. This is the ID that is used for UNIX platforms in Platform Sets that use UID/GID Set *uidgid\_set\_name*.

Action: None. Informational only.

**OBJ020I Exception resolved for *exception\_object*.**

Explanation: The condition that caused the creation of Exception object *exception\_object* has been corrected. The Exception object has been removed.

Action: None. Informational only.

**OBJ021I Added *user\_or\_group\_name* to Platform Set *Platform\_set\_name*.**

Explanation: A user or group named *user\_or\_group\_name* has been added to the Platform Set specified by *Platform\_set\_name*.

Action: None. Informational only.

**OBJ022I Enterprise object *object\_name* removed from Census.**

Explanation: The Enterprise object named *object\_name* was removed from the Census.

Possible Cause: The user, group, or alias represented by the Enterprise object named *object\_name* was deleted from the directory, is disabled, or is no longer included by the Search objects.

Action: None. Informational only.

**OBJ023I Enterprise object *object\_name* renamed to *new\_object\_name*.**

Explanation: The Enterprise object named *object\_name* was renamed to *new\_object\_name*.

Possible Cause: The user, group, or alias represented by *object\_name* was renamed to *new\_object\_name*.

Action: None. Informational only.

**OBJ024I Created Exception object for *object\_dn*.**

Explanation: A group or user could not be processed.

Possible Cause: The cn of the Group or User object is not unique among all the users and groups that are represented in the Census.

Two or more objects in the directory have the same GUID.

Action: Examine the contents of the Exception object to determine the reason it was created.

If the Exception object is because of a create problem, a naming conflict has occurred. Rename the user or group so its name is unique.

If the Exception object is because of a duplicate GUID, look in the operational log for a listing of the objects that use the same GUID, and see TID 10064771 for information on resolving GUID conflicts.

**OBJ025I User *user\_name*, attribute(s) *attribute\_list* modified in Census.**

Explanation: Information for user *user\_name* was updated in the Census.

Action: None. Informational only.

**OBJ026I Group *group\_name*, attribute(s) *attribute\_list* modified in Census.**

Explanation: Information for group *group\_name* was updated in the Census.

Action: None. Informational only.

**OBJ027I User *user\_name* added to Census.**

Explanation: User *user\_name* was detected and added to the Census.

Possible Cause: A user was added to eDirectory, or Search objects were expanded to include a user that was not previously in the Census.

Action: None. Informational only.

**OBJ028I Group *group\_name* added to Census.**

Explanation: Group *group\_name* was detected and added to the Census.

Possible Cause: A group was added to eDirectory, or Search objects were expanded to include a group that was not previously in the Census.

Action: None. Informational only.

**OBJ030E Error *error\_id* authenticating to eDirectory as *username*.**

Explanation: The core driver is unable to authenticate to eDirectory.

Possible Cause: Incorrect settings for LDAP Host and Port, ASAM Master User, or ASAM Master User Password in the Driver object configuration parameters.

Action: Check the configuration parameters.

**OBJ031E Error *error\_id* renaming object *dn* to *cn*.**

Explanation: The eDirectory error *error\_id* occurred while trying to rename object *dn* to *cn*.

Action: See the eDirectory documentation for error *error\_id*.

**OBJ032E Out of memory.**

Explanation: The core driver ran out of memory.

Possible Cause: The machine on which the core driver runs does not have enough memory to allow operation, or the swap space is not large enough.

Action: Increase the amount of memory available to the process.

**OBJ033E Error *error\_id* retrieving from *dn*.**

Explanation: The eDirectory error *error\_id* occurred while trying to retrieve from *dn*.

Action: See the eDirectory documentation for error *error\_id*.

**OBJ034E Error *error\_id* retrieving attributes for object.**

Explanation: The eDirectory error *error\_id* occurred while retrieving attributes for object *object*.

Action: See the eDirectory documentation for error *error\_id*.

**OBJ035E Error *error\_id* modifying attributes for object.**

Explanation: The eDirectory error *error\_id* occurred while trying to modify *object*.

Possible Cause: Insufficient rights to the object.

Action: See the eDirectory documentation for error *error\_id*.

**OBJ036E Error *error\_id* searching for object *object*.**

Explanation: The eDirectory error *error\_id* occurred while trying to determine if *object* exists.

Action: See the eDirectory documentation for error *error\_id*.

**OBJ037E Error *error\_id* creating object *object*.**

Explanation: The eDirectory error *error\_id* occurred while trying to create *object*.

Possible Cause: Incorrect ASAM System Container setting in the Driver object configuration, or insufficient rights to this container.

Action: See the eDirectory documentation for error *error\_id*.

**OBJ038E Error *error\_id* removing object *object*.**

Explanation: The eDirectory error *error\_id* occurred while trying to remove *object*.

Action: See the eDirectory documentation for error *error\_id*.

**OBJ039E Unexpected error processing information retrieved from the directory in function *function\_name*.**

Explanation: An unexpected error has occurred during processing.

Possible Cause: Unknown.

Action: Turn on debugging information using the command line parameter -d asam\_objectserv,dom, and forward the resulting log to Support.

**OBJ040E Unable to load request document.**

Explanation: An eDirectory event could not be processed.

Possible Cause: Internal error.

Action: Turn on debugging information using the command line parameter -d asam\_objectserv,dom, and forward the resulting log to Support.

**OBJ041E Unable to determine DN for the ASAM System Container.**

Explanation: The ASAM System container cannot be identified.

Possible Cause: The Driver object configuration parameters do not contain a valid value for the ASAM System Container parameter.

Action: Correct the ASAM System Container parameter.

**OBJ042E Unable to process some users in *search\_object*.**

Explanation: Appropriate actions for some of the users in *search\_object* might not have been taken because of errors that occurred.

Action: See other errors reported during the processing of *search\_object* for specific troubleshooting information.

**OBJ043E Unable to process some groups in *search\_object*.**

Explanation: Appropriate actions for some of the groups in *search\_object* might not have been taken because of errors that occurred.

Action: See other errors reported during the processing of *search\_object* for specific troubleshooting information.

**OBJ044E Unable to process some aliases in *search\_object*.**

Explanation: The core driver was unable to process an Alias object.

Action: See the log for more information about the specific error.

**OBJ046I Updated attribute *attribute\_name* in object *object*.**

Explanation: An out-of-date attribute of an Enterprise User or Group object was detected. The attribute was updated.

Possible Cause: A core driver might not be running or might not be functioning properly.

A new user was added to the Census, and a group to which it belongs was updated accordingly.

A new group was added to the Census, and a user in that group was updated accordingly.

Action: Ensure proper operation of all core drivers.

**OBJ047I Removed *object\_cn* from Platform Set *Platform\_set*.**

Explanation: *object\_cn* was removed from Platform Set *Platform\_set*.

Possible Cause: The user or group is no longer included in the Search objects defined for the Platform Set.

Action: None. Informational only.

**OBJ051E Duplicate GUID found among the listed objects: *dn\_list*.**

Explanation: Multiple objects exist in the tree with the same GUID.

A list of the objects having duplicate GUIDs is produced in the log.

Action: As described in TID 10064771, duplicate GUIDs can only be fixed by deleting all but one of the objects and re-creating them. An eDirectory patch is available to prevent multiple GUIDs from being generated in the future. For a complete explanation, see TID 10064771.

**OBJ052E Duplicate ASAM-inputGUID found among the listed objects: *dn\_list*.**

Explanation: Multiple objects exist in the tree with the same GUID.

A list of the objects having duplicate GUIDs is produced in the log.

Action: As described in TID 10064771, duplicate GUIDs can only be fixed by deleting all but one of the objects and re-creating them. An eDirectory patch is available to prevent multiple GUIDs from being generated in the future. For a complete explanation, see TID 10064771.

**OBJ053I Created events of type *event\_type* for *object*.**

Explanation: A change in the User or Group object was detected. Affected platforms are notified.

Action: None. Informational only.

**OBJ055E UID/GID Set *set\_name* was not found.**

Explanation: When assigning a UID/GID for an eUser or eGroup, the requested UID/GID Set could not be found.

Possible Cause: A UID/GID Set container was manually removed from eDirectory.

Action: Restore the UID/GID container from backup.



**OBJ056E Unable to retrieve object *object\_dn* referenced by alias *alias\_dn*.**

Explanation: The object referenced by an alias could not be found.

Possible Cause: An Alias object refers to a user or group to which the ASAM Master User has insufficient rights.

Action: Grant necessary rights to the ASAM Master User.

**OBJ057E Unable to retrieve attribute *attribute\_name* from *object\_dn*.**

Explanation: An attribute needed for processing could not be retrieved.

Possible Cause: The ASAM Master User does not have sufficient rights.

Action: Ensure that the ASAM Master User has the necessary rights.

**OBJ058E Duplicate UID/GID number *uidgid\_number* found in both *object1* and *object2*.**

Explanation: Duplicate UID/GID numbers have been discovered. A UID/GID number is used on UNIX systems to uniquely identify an account or a group. Duplicate UID/GID numbers can indicate that an unintended user has access to UNIX resources, such as files.

Possible Cause: Partial restoration of the ASAM System container could result in duplicate UID/GID numbers.

Action: Determine which user or group should correspond to the associated UID/GID. Manually remove the ASAM-uidgidAssociation value for any other users or groups that are assigned that same number. A new UID/GID will be assigned during the next Trawl for those that have been deleted.

**OBJ059E Cannot remove Platform Set *Platform\_set\_name*. It has associated Platform objects.**

Explanation: A Platform Set has been marked for removal, but it cannot be removed. All platforms must be removed from it first.

Possible Cause: Platforms were added to a Platform Set that had been marked for removal.

Action: Remove all platforms from the Platform Set.

**OBJ060I Removed Platform Set *Platform\_set*.**

Explanation: The Platform Set named *Platform\_set* was removed.

Possible Cause: The Platform Set was marked for deletion using the Web interface.

Action: None. Informational only.

**OBJ061E Cannot remove UID/GID Set *uidgid\_set\_name*. It is used by a Platform Set.**

Explanation: A UID/GID Set has been marked for removal, but it cannot be removed. All Platform Sets using the UID/GID Set must be removed first.

Action: Remove all Platform Sets that use the UID/GID Set.

**OBJ062I Removed UID/GID Set *uidgid\_set*.**

Explanation: The UID/GID Set named *uidgid\_set* was removed.

Possible Cause: The UID/GID Set was marked for deletion using the Web interface.

Action: None. Informational only.

**OBJ064W Error *error\_id* setting LDAP time-out.**

Explanation: An error occurred while trying to use the LDAP Time-Out value.

Action: See the eDirectory documentation for error *error\_id*.

**OBJ065E Platform Set *set\_name* not found in directory.**

Explanation: An error occurred while looking up information about the Platform Set named *set\_name*.

Action: Gather diagnostic information and contact Support.

**OBJ066E Unable to recognize object type of Search object *search\_object\_name*.**

Explanation: The Search object has as its input reference the dn of an unsupported object type.

Possible Cause: An incorrect object is specified as the input reference for a Search object.

Action: Remove the invalid Search object and recreate it using the correct input reference.

**OBJ069E Skipping checks for deleted users because of errors during processing of users.**

Explanation: Deleted users are detected during a Trawl when processing of all users has completed. If an error prevents the recognition of all users that should be in the Census, then no users are deleted.

Possible Cause: Time-outs prevented the detection of all users defined by the Search objects, or a Search object was invalid.

Action: Check the operational log for errors and determine the actions required to resolve those errors.

**OBJ070E Skipping checks for deleted groups because of errors during processing of groups.**

Explanation: Deleted groups are detected during a Trawl when processing of all groups has completed. If an error prevents the recognition of all groups that should be in the Census, then no groups are deleted.

Possible Cause: Time-outs prevented the detection of all groups defined by the Search objects, or a Search object was invalid.

Action: Check the operational log for errors and determine the actions required to resolve those errors.

**OBJ072E Unrecognized object class for object *dn* in *function\_name*.**

Explanation: The core driver was unable to determine the object class for *dn*.

Possible Cause: The object denoted by *dn* is an object whose class is not supported.

Action: Ensure that *dn* exists and is spelled correctly. Inspect the object denoted by *dn* to determine whether its object class is supported. If so, contact Support. If not, you cannot manage this object.

**OBJ073E Cannot handle object class *internal\_objectclass\_identifier* for object *dn* in *function\_name*.**

Explanation: The core driver was unable to process the object class denoted by *internal\_objectclass\_identifier* for the object given by *dn*. The problem occurred in the function named *function\_name*.

Possible Cause: The object denoted by *internal\_objectclass\_identifier* has an object class that is not supported for the attempted purpose.

Action: Ensure that *internal\_objectclass\_identifier* exists and is spelled correctly. Inspect the object denoted by *internal\_objectclass\_identifier* to determine whether its object class is supported. If so, contact Support. If not, you cannot manage this object.

**OBJ074E Cannot determine Platform Set for *dn*.**

Explanation: The *dn* of the Platform object *dn* could not be parsed to determine the Platform Set name.

Possible Cause: Internal error.

Action: Gather diagnostic information and contact Support.

**OBJ075I Trawl aborted because of user request.**

Explanation: The Trawl was aborted because of a user request for it to stop.

Possible Cause: An administrator used the Web interface to stop the Trawl.

The core driver was shut down.

Action: None. Informational only.

**OBJ076I Deleting Platform Set *set\_name*.**

Explanation: The container for Platform Set *set\_name* and all references to it are being removed. This operation can take some time, depending on the number of users and groups that are managed.

Possible Cause: The Platform Set *set\_name* was marked for deletion using the Web interface.

Action: None.

**OBJ077I Deleting UID/GID Set *set\_name*.**

Explanation: The container for UID/GID Set *set\_name* and all references to it are being removed. This operation can take some time, depending on the number of users and groups that are managed.

Possible Cause: The UID/GID Set *set\_name* was marked for deletion using the Web interface.

Action: None.

**OBJ079E Unable to convert dn *dn* to required format.**

Explanation: The dn *dn* could not be converted to the format required for processing.

Possible Cause: No memory was available.

Action: Ensure that the process has enough memory to complete.

**OBJ080E Unable to create file *file\_name*. Error = *errno*.**

Explanation: An attempt to create the file *file\_name* failed.

Possible Cause: The directory is write-protected, or there is not enough disk space available.

Action: Ensure that the ASAM Master User has permission to write to the specified directory. Ensure that disk space is available on the volume.

**OBJ081E Unable to write to file *file\_name*. Error = *errno*.**

Explanation: An attempt to write to the file *file\_name* failed.

Possible Cause: There is not enough disk space available.

Action: Ensure that disk space is available on the volume.

**OBJ082E Unable to delete file *file\_name*. Error = *errno*.**

Explanation: An attempt to delete the file *file\_name* failed.

Possible Cause: Permissions do not allow the file to be deleted.

Action: Ensure that the ASAM Master User has permission to delete the specified directory.

**OBJ084I Checking UID/GID Set *UIDGID\_set*.**

Explanation: The Census Trawl is verifying the contents of UID/GID Set *UIDGID\_set*.

Action: None. Informational Only.

**OBJ086W Unable to start Trawl because a Trawl is already running.**

Explanation: A Trawl could not start because a Trawl is already in progress.

Possible Cause: The specified scheduled Trawl times are not sufficiently spaced to allow completion of the previous Trawl.

A manual Trawl was started and it had not completed before the scheduled Trawl time arrived.

Action: Wait until the currently running Trawl has completed, or stop the Trawl and restart it manually.

**OBJ087E Cleanup of resources from the previous Trawl failed.**

Explanation: An error occurred while trying to free resources used by the previously run Trawl.

Action: Wait for the Trawl to complete. Use the Trawl Status screen in the Web interface to confirm that no Trawl is running. If you are still unable to start a Trawl, restart the primary core driver.

**OBJ088E Unable to allocate resources for starting a Trawl.**

Explanation: A task could not be created for performing a Trawl.

Possible Cause: The system is low on memory.

Action: Restart the primary core driver. If the problem persists, look for other processes that are consuming excessive memory.

**OBJ089E Unable to start the Trawl task.**

Explanation: A task could not be started because of system limitations. The implementation of a task is operating system dependent. For example, a task might be implemented as a thread. In this case, a thread could not be created.

Possible Cause: The system is low on resources.

Action: Determine and correct the cause of limited system resources.

**OBJ090E Unable to read from file *file\_name*. Error = *errno*.**

Explanation: An attempt to read from the file *file\_name* failed.

Possible Cause: Internal error.

Action: Turn on debugging information using the command line parameter: -d asam\_objectserv,dom, and forward the resulting log to Support.

**OBJ091W Object type of *object\_dn* is not recognized.**

Explanation: The object class for the object was not recognized.

Possible Cause: The given object does not have an object class that can be processed.

Action: Examine the object named by *object\_dn* to determine why it cannot be processed.

**OBJ092E Unable to determine value of attribute *attribute\_name* for object *object\_name*.**

Explanation: An attempt to read the value for attribute *attribute\_name* failed.

Possible Cause: System memory is low.

Action: Increase the amount of memory available to the process.

**OBJ093E Unable to create directory search request.**

Explanation: An attempt to read information from the directory failed.

Possible Cause: System memory is low.

Action: Increase the amount of memory available to the process.

**OBJ094E Unable to create request to modify attributes in the directory.**

Explanation: An attempt to modify information in the directory failed.

Possible Cause: System memory is low.

Action: Increase the amount of memory available to the process.

**OBJ095E Unable to initialize mutex.**

Explanation: A mutex could not be initialized.

Possible Cause: The system is low on available resources.

Action: Ensure adequate resources for the process.

**OBJ096E Unable to find object *dn* during repair of links in Census because of error *error\_id*.**

Explanation: When attempting to repair Census information for the previously deleted object *dn*, the reinstated object could not be found.

Possible Cause: The object has not yet been re-created.

Action: Re-create or restore the object *dn*.

**OBJ097I ASAM-inputGUID updated in object *dn*.**

Explanation: Information has been repaired in object *dn*.

Possible Cause: Census information is being repaired for the user.

Action: None.

**OBJ098I Processed *processed\_count* of *users\_in\_search\_object* users.**

Explanation: Indicates progress in processing the users specified by a Search object.

Action: None.

**OBJ099I Processed *processed\_count* of *groups\_in\_search\_object* groups.**

Explanation: Indicates progress in processing the groups specified by a Search object.

Action: None.

**OBJ100I Processed *processed\_count* of *aliases\_in\_search\_object* aliases.**

Explanation: Indicates progress in processing the aliases specified by a Search object.

Action: None.

**OBJ102I Processed *processed\_count* UIDGID objects.**

Explanation: Indicates progress in processing the UID/GID objects in a UID/GID Set.

Action: None.

**OBJ105I Dispatching new event notification to Platform *platformName*.**

Explanation: Object Services is dispatching a notification to Event Journal Services that a new event is ready to be processed for the specified platform.

Only Platform Receivers that are running in Persistent mode are notified of new events that are pending. Platform Receivers running in other modes discover the new events the next time they poll or connect to Event Journal Services.

Possible Cause: A new object event has been detected by the Event Subsystem or a Trawl process.

Action: The Event Journal Services component processes the event and sends it to the Persistent mode Receiver that is running on the specified platform.

**OBJ106I Phase *phase\_number*: Processing Password Updates.**

Explanation: The Census Trawl is updating ePasswords that core drivers were previously unable to store.

Action: None. Informational only.

**OBJ107E Attempt to process an event with no DN was aborted.**

Explanation: An event was detected for an eDirectory object, but the dn of that object was unavailable. The event could not be processed.

Possible Cause: Running a down-level version of the core driver.

Action: Update the core driver.

**OBJ108I Updated password for user *object\_dn*.**

Explanation: The password stored for object *object\_dn* was updated.

Possible Cause: The password for the object has changed.

Action: None.

**OBJ109E Error *error\_id* updating password for user *object\_dn*.**

Explanation: The password for *object\_dn* could not be updated because of error *error\_id*.

Action: Change the password for the given user.

**OBJ111I Removed password from temporary storage for user *user\_dn*.**

Explanation: A password that was held in temporary storage pending processing by the core driver was removed.

Possible Cause: The password was successfully stored, or the user is not managed.

Action: None.

**OBJ112I Error *error\_id* removing password for user *user\_dn* from temporary storage.**

Explanation: A password that was held in temporary storage pending processing by the core driver could not be removed.

Action: None.

**OBJ113I *user\_or\_group\_name* updated for driver storage format.**

Explanation: The user or group has been updated for use with the driver. It will no longer function correctly with Account Management 3.0.

Action: None.

**OBJ114I Removed *object\_cn* from UID/GID Set *UIDGID\_set*.**

Explanation: *object\_cn* was removed from UID/GID Set *UIDGID\_set*.

Possible Cause: The UID or GID number has been migrated to a new storage format.

Action: None. Informational only.

**OBJ115I Migrating *user\_or\_group\_name* to driver storage format.**

Explanation: Data for the user or group is being converted to the storage format used by the driver.

Possible Cause: Software version has been updated.

Action: None. Informational only.

**OBJ116I Updating inclusion in Platform Set *platform\_set* for *user\_or\_group*.**

Explanation: Platform Set information for the user or group is being migrated to a new storage format.

Action: None. Informational only.

**OBJ117I Updating association to platform *platform* for *user\_or\_group*.**

Explanation: Platform Association information for the user or group is being migrated to a new storage format.

Action: None. Informational only.

**OBJ118I Updating UID/GID in set *uidgid\_set* for *user\_or\_group*.**

Explanation: UID/GID information for the user or group is being migrated to a new storage format.

Action: None. Informational only.

**OBJ119I Removed object *object\_dn*.**

Explanation: Object *object\_dn* was removed during data migration to a new storage format.

Action: None. Informational only.

**OBJ120I Object Services received an event for *object\_dn*.**

Explanation: The Event Subsystem notified Object Services of an event.

Possible Cause: An object was added, changed, or deleted in eDirectory.

Action: None. Informational only.



**OBJ121I Object Services received an event for object with unidentified dn.**

Explanation: The Event Subsystem notified Object Services of an event.

Possible Cause: An object was added, changed, or deleted in eDirectory.

Action: None. Informational only.

**OBJ122I Processing a pseudo-event for *object\_dn*.**

Explanation: The object is being processed as if an event occurred.

Possible Cause: The object was re-populated.

Action: None. Informational only.

**OBJ123E Delete action for *object\_cn* aborted because of invalid Search object.**

Explanation: One or more Search objects did not contain a valid inputReference.

Possible Cause: A Search object exists for which the object specified by the inputReference has been deleted, or an error occurred while trying to retrieve information from the object specified by the inputReference.

Action: Determine which Search object is not valid and correct it.

**OBJ124I Obsolete object *dn* successfully removed.**

Explanation: The information represented by object *dn* has been updated to a new storage format. The obsolete object has been cleaned up.

After removal of a large number of objects, it can be desirable to use directory maintenance techniques to reduce the size of the directory on disk.

Possible Cause: A new version of the Fan-Out driver software has been installed.

Action: None.

**OBJ125I Migration status changed to *migration\_status*.**

Explanation: Stages of data conversion are Migration (to new data format), Cleanup (removal of obsolete objects), and Complete.

Each user or group is migrated to the new data format the first time it is processed by the core driver.

After all users and groups have migrated to the new data format, cleanup of obsolete objects begins.

The status is reported as Complete after all users or groups have been migrated, and all obsolete objects have been cleaned up. The size of the eDirectory database can be reduced by using standard eDirectory maintenance practices when this stage has been reached.

Possible Cause: A new version of the Fan-Out driver software has been installed.

Action: None.

**OBJ126I Phase *phase\_number*: Migration Cleanup.**

Explanation: The Census Trawl is removing obsolete data that has been migrated to a new storage format.

Action: None. Informational only.

## 2.19 PLS Messages

Messages beginning with PLS are issued by Platform Services.

**PLS001I *core\_driver* is not responding correctly. rc = *rc*.**

Explanation: The specified core driver is not answering requests correctly. Requests are not directed to this core driver again until it begins responding correctly.

Action: None.

**PLS002I *core\_driver* is now responding to requests.**

Explanation: The specified core driver has returned to a usable state.

Action: None.

## 2.20 PRCV Messages

Messages beginning with PRCV are issued by Platform Receivers.

**PRCV001E Unable to create the platform parameter item.**

Explanation: The Platform Receiver was unable to create a platform parms item, which is used for parsing the Platform Configuration file.

Possible Cause: There might not be enough free memory available on the system.

Action: Ensure that there is adequate free memory available.

**PRCV002E Unable to create a string handler item.**

Explanation: An instance of the string handler object could not be created.

Possible Cause: There might not be enough free memory available on the system.

Action: Ensure that there is adequate free memory available.

**PRCV003E Unknown command line option or error: option= *ShortOptionValue*, long option= *LongOptionValue*.**

Explanation: An unknown command line option was discovered while processing the command line options.

Possible Cause: You entered an invalid command line option.

Action: See the administration documentation for the list of valid command line options.

**PRCV004E Mutually exclusive command line parameters were specified.**

Explanation: One or more command line options are mutually exclusive.

Possible Cause: You entered conflicting Platform Receiver run modes on the command line.

Action: Determine the desired Platform Receiver run mode and enter the corresponding option on the command line.

**PRCV005I You can specify only one of the following options: -i, -c, -p, -f, or -r.**

Explanation: This message describes the valid run modes that are available for the Platform Receiver.

Action: No action is required.

**PRCV006E Platform Configuration file parsing has failed because of a syntax error.**

Explanation: The parsing of the Platform Configuration file has ended with a syntax error.

Possible Cause: A syntax error exists in the Platform Configuration file.

Action: Ensure that the parameters in the Platform Configuration file are valid.

**PRCV007E Unable to create a configuration parameter item.**

Explanation: An instance of the configuration parameter item could not be created.

Possible Cause: There might not be enough free memory available on the system.

Action: Ensure that there is adequate free memory available.

**PRCV008E Unable to load the string resource file *StringResourceFileName*.**

Explanation: The specified string resource file could not be loaded.

Possible Cause: The Platform Receiver attempted to load the string resource file in response to the LOCALE statement in the Platform Configuration file.

Action: Ensure that the specified string resource file exists.

Ensure that the ASAMDIR statement is correct.

**PRCV009E Unable to establish a connection with host *ipAddress* port *portNumber*.**

Explanation: The Platform Receiver is unable to make a socket connection to the core driver.

Possible Cause: Network connectivity between the Platform Receiver and the core driver server is lost.

The host that runs the core driver is down.

Event Journal Services has failed.

The core driver is running on a different port than is expected by the Platform Receiver.

Action: Ensure that network connectivity exists between the Platform Receiver and the core driver server.

Ensure that the core driver host is up.

Ensure that the core driver is running.

Ensure that the core driver is listening on the port number expected by the Platform Receiver.

**PRCV010I Connection established with host *ipAddress* port *portNumber*.**

Explanation: Socket connectivity to the core driver has been reestablished.

Possible Cause: The connection to the core driver that was previously interrupted has been reestablished.

Action: No action is required.

**PRCV011E Unable to begin a session with host *ipAddress* port *portNumber*, reason=*reasonString*.**

Explanation: The Platform Receiver was unable to establish a session with the core driver.

Possible Cause: There are several possible causes for this error.

The core driver has terminated the connection.

The request was rejected by the core driver because of an invalid certificate or internal server error.

An instance of the DOM interface could not be created.

An instance of the SOAP request document could not be created.

Action: See the reason string for additional details on the cause of the error. Also verify the following items:

Ensure that the core driver is running.

Ensure that the platform host has network connectivity to the host running the core driver.

Ensure that the correct security certificate is installed on the system.

**PRCV012W *MessageFromManager*.**

Explanation: This error message is generated by the Event Journal Services component of the core driver and is reported by the Platform Receiver.

Possible Cause: The Event Journal Services component of the core driver discovered an error condition. The Platform Receiver is reporting the error to the local host system.

Action: Take action as appropriate for the message text.

**PRCV013E Unable to complete the get next platform event request.**

Explanation: The Platform Receiver is unable to get events from the core driver.

Possible Cause: Connectivity to the core driver has been interrupted and the Platform Receiver has exceeded the retry attempt limit for reestablishing the connection to the core driver.

Action: Determine why the connection to the core driver was interrupted.

**PRCV014I The driver running on host *ipaddress* on port *port* is shutting down.**

Explanation: The core driver running on the specified network address and port number is shutting down. If the Platform Receiver is running in Persistent Mode or Polling Mode, the Platform Receiver tries to reestablish a connection to the core driver.

Action: No action is required.

**PRCV015E The security certificate could not be loaded.**

Explanation: The security certificate was not loaded or is not valid.

Possible Cause: There are several possible causes for this error.

No security certificate has been created for this platform.

The security certificate is invalid.

The security certificate could not be found, possibly because of an incorrect ASAMDIR statement in the Platform Configuration file.

Action: Ensure that the security certificate was created and installed on the platform. A security certificate can be obtained by running the Platform Receiver with the -s command line parameter.

Ensure that the ASAMDIR statement is correct.

**PRCV016I The Platform Receiver is shutting down because of a stop request.**

Explanation: An administrator has requested that the Platform Receiver stop processing and end.

Action: The Platform Receiver ends as soon as it completes any required tasks.

**PRCV017I SSL Certificate Local FDN is *SSLLocalFDN*.**

Explanation: The message logs the Platform Receiver FDN found in its security certificate.

Action: If this message is not issued, the certificate is either missing or corrupt. Obtain a new security certificate for the Platform Receiver by starting it with the -s command line parameter.

If this message is issued, the FDN should be verified to be the correct object in eDirectory.

**PRCV018I The Platform Receiver for *platformName* is running in *runMode* mode.**

Explanation: The Platform Receiver is running in the specified mode.

Possible Cause: The Platform Receiver is running in the mode specified by the RUNMODE configuration statement value or the value of command line parameters.

Action: None.

**PRCV019I An event was received for object *objectCN*.**

Explanation: An event was received from the core driver for the specified user or group object.

Action: No action is required.

**PRCV020I The event for object *objectCN* was excluded.**

Explanation: The event for the specified object was excluded because of the use of an AM.USER.EXCLUDE or AM.GROUP.EXCLUDE statement in the Platform Configuration file, or the object is on the standard excludes list.

Action: No action is required.

**PRCV021I Connection established with host *ipAddress* port *portNumber* version *version* build level *build*.**

Explanation: The Platform Receiver is communicating with a core driver running the specified version and build level code.

Action: No action is required.

**PRCV022I Platform Receiver version is *version* build level *build*.**

Explanation: The Platform Receiver is running the specified version and build level code.

Action: No action is required.

**PRCV023I Event summary for Platform *platformName*: received= *numReceived*, processed= *numProcessed*, excluded= *numExcluded*, ignored= *numIgnored*, errors= *numErrors*.**

Explanation: This message displays the total number of events that were received from the core driver, the number of events that were processed successfully, the number of events that were excluded by the platform, and the number of events that were not processed because of errors.

This message is displayed when the Platform Receiver terminates.

Action: None.

**PRCV024I *objectType* event totals for Platform *platformName*: received= *numReceived*, processed= *numProcessed*, excluded= *numExcluded*, ignored= *numIgnored*, errors= *numErrors*.**

Explanation: This message displays the total number of events for the specified object type that were received from the core driver, the number of events that were processed successfully, the number of events that were excluded by the platform, and the number of events that were not processed because of errors.

This message is displayed when the Platform Receiver terminates.

Action: None.

**PRCV025I Platform Receiver executed for *days* days, *hours* hours, *minutes* minutes, and *seconds* seconds.**

Explanation: This message displays the execution time for the Platform Receiver.

This message is displayed when the Platform Receiver terminates.

Action: None.

## 2.21 W3LM Messages

Messages beginning with W3LM are issued by Web Services.

**W3LM001I Object *driverDN* created by *webUserDN*.**

Explanation: A core driver was created by the specified user through the Web interface.

Action: None. Informational only.

**W3LM002I Object *driverDN* deleted by *webUserDN*.**

Explanation: A core driver was deleted by the specified user through the Web interface.

Action: None. Informational only.

**W3LM003I Event Listener *eventListenerDN* deleted by *webUserDN*.**

Explanation: The Event Listener was deleted by the specified user through the Web interface.

Action: None. Informational only.

**W3LM004I Trawl Initiated by *webUserDN*.**

Explanation: A Trawl was started by the specified user through the Web interface.

Action: None. Informational only.

**W3LM007I Platform *platformDN* deleted by *webUserDN*.**

Explanation: A Platform object was deleted by the specified user through the Web interface.

Action: None. Informational only.

**W3LM008I Platform *platformDN* created by *webUserDN*.**

Explanation: A Platform object was created by the specified user through the Web interface.

Action: None. Informational only.

**W3LM009I Platform Set *platformSetDN* marked for deletion by *webUserDN*.**

Explanation: The specified Platform Set was marked for deletion by the specified user through the Web interface.

Action: None. Informational only.

**W3LM010I Platform Set *platformSetDN* created by *webUserDN*.**

Explanation: The specified Platform Set was created by the specified user through the Web interface.

Action: None. Informational only.

**W3LM011I UID/GID Set *UIDGIDSetDN* marked for deletion by *webUserDN*.**

Explanation: The UID/GID Set was deleted by the specified user through the Web interface.

Action: None. Informational only.

**W3LM012I UID/GID Set *UIDGIDSetDN* created by *webUserDN*.**

Explanation: The specified UID/GID set was created by the specified user through the Web interface.

Action: None. Informational only.

**W3LM013I SearchObject *searchObjectDN* created by *webUserDN*.**

Explanation: The Search object was created by the specified user through the Web interface.

Action: None. Informational only.

**W3LM014I SearchObject *searchObjectDN* deleted by *webUserDN*.**

Explanation: The specified Search object was deleted by the specified user through the Web interface.

Action: None. Informational only.

**W3LM015I Object *objectDN* modified by *webUserDN*.**

Explanation: The specified object was modified by the specified user through the Web interface.

Action: None. Informational only.

**W3LM016I Connection (default) *netAddress* attribute on object *objectDN* modified by *webUserDN*.**

Explanation: Connection (default) *netAddress* attribute on the specified object was modified by the specified user through the Web interface.

Action: None. Informational only.

**W3LM017I *netAddress* attribute on object *objectDN* modified by *webUserDN*.**

Explanation: The *netAddress* attribute of the specified object was modified by the specified user through the Web interface.

Action: None. Informational only.

**W3LM018W Web Interface login Failure *loginDN*.**

Explanation: An attempt to authenticate to the Web interface by *loginDN* failed.

Possible Cause: Invalid login ID, password, or insufficient rights.



Action: Log in with sufficient rights.

**W3LM019I Successful Web Interface login by *loginID*.**

Explanation: The user successfully logged in to the Web interface.

Action: None. Informational only.

**W3LM020W Web Interface login attempt with invalid credentials.**

Explanation: An attempt to log in to the Web interface failed because of invalid credentials.

Possible Cause: The user attempting to log in has invalid credentials

Action: Check user credentials.

**W3LM021W Web Interface login attempt with invalid DN Syntax.**

Explanation: An attempt to log in to the Web interface was made with invalid DN syntax.

Possible Cause: DN syntax was invalid.

Action: Correct DN syntax and try logging in again.

**W3LM022W Web Interface login attempt for an unknown user.**

Explanation: The user attempting to log in to the Web Interface is invalid because a Census entry for the user was not found.

Possible Cause: The user is not in Census.

Action: Make sure the user is in the Census.

**W3LM023W Web Interface login attempt failure with an unknown error.**

Explanation: An attempt to log in to the Web interface failed with an unknown error.

Action: Examine the log for related messages.

**W3LM024E Check the Trawl Time-Out value and re-enter.**

Explanation: The Trawl Time-Out value is invalid.

Possible Cause: An invalid Trawl Time-Out value was specified.

Action: Correct the Trawl Time-Out value.