



ORACLE[®]

Admin Console Logging Hand-off

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Logging Features

- Logging Attributes
- Log Levels
- Log Viewer

Logging General

The screenshot displays the GlassFish Server Administration Console interface. At the top, there are navigation buttons for 'Home', 'About...', and 'Help'. Below this, the user information is shown as 'User: admin | Domain: domain1 | Server: localhost'. The main title is 'GlassFish™ Server Open Source Edition'. A notification bar indicates 'Check Updates' and 'Restart Required'. On the left, a 'Tree' view shows the configuration hierarchy, with 'Logger Settings' selected under 'server-config'. The main content area is titled 'Logger Settings' and includes a 'Save' button. The settings are as follows:

- General** | **Log Levels**
- Logger Settings** Save
- GlassFish Server logging messages are recorded in the server log
- Write to system log:** **Enabled**
Use UNIX syslog service to produce and manage log messages
- Log to Console:** **Enabled**
Write log messages to system console
- Log File:**
Rename or relocate the server log file using absolute path
- Log Handler:**
Specify custom log handler to log to a different destination
- File Rotation Limit:** **Bytes**
Rotate log files when file size limit is reached; oldest logs are deleted to make space for new logs
- File Rotation Time Limit:** **Minutes**
If set to 0, rotate files based on the size specified in log rotation limit
- Flush Frequency**
Maximum number of messages written to server log at a time

Log Level

The screenshot shows the GlassFish Server Administration Console interface. At the top, there are navigation buttons for 'Home', 'About...', and 'Help'. Below this, the user information is displayed: 'User: admin | Role: domain1 | Server: localhost'. The main title is 'GlassFish™ Server Open Source Edition'. A notification bar indicates 'Check Updates' and 'Restart Required'.

The left sidebar shows a tree view of the server configuration, with 'Logger Settings' selected under 'Configurations'. The main content area has two tabs: 'General' and 'Log Levels'. The 'Log Levels' tab is active, displaying the 'Module Log Levels' configuration page.

The 'Module Log Levels' page includes a 'Save' button and a description: 'Specify log levels for individual loggers. Available levels are: FINEST: Maximum verbosity, FINER: Moderate verbosity, FINE: Minimal verbosity, CONFIG: Messages related to server configuration, INFO: Messages related to server configuration or server status, excluding errors, WARNING: Warnings, including exceptions, SEVERE: Events that interfere with normal program execution'. Below this is a table titled 'Logger Settings (44)' with a 'Level:' dropdown and a 'Change Level' button. The table lists various logger names and their current log levels.

Logger Name	Log Level
<input type="checkbox"/> javax.enterprise.system.container.cmp	INFO
<input type="checkbox"/> javax.enterprise.resource.webcontainer.jsf.application	INFO
<input type="checkbox"/> javax.enterprise.system.webservices.saaj	WARNING
<input type="checkbox"/> javax.enterprise.system.container.ejb	WARNING
<input type="checkbox"/> javax.enterprise.system.webservices.registry	WARNING
<input type="checkbox"/> group-management-services	WARNING
<input type="checkbox"/> javax.enterprise.system.core.config	WARNING
<input type="checkbox"/> javax.enterprise.system.core.naming	WARNING

Log Viewer

Search Close

View, search, and filter a server log file using basic and advanced options. Refer to the Log Levels page for information about log levels you can filter here.

[Advanced Search](#)

Search Criteria

Text search:

Only log entries containing the specified text will be displayed.

Timestamp: Most Recent

Specific Range:

Log Level: Do not include more severe messages

Log entries are limited to those stored in the log file. Set appropriate log level in the Log Level page to ensure data is logged.

Search Close

[Modify Search](#)

Instance:

Log File:

Log Viewer Results (40)

Records before 42 | Log File Record Numbers 42 through 81 | Records after 81 |

Record Number	Log Level	Message	Logger	Timestamp	Name-Value Pairs
81	INFO	HeyOOOOOOO(details)	null	Oct 28, 2010 11:25:08.374	__ThreadID=19;__ThreadName=Thre2;
80	INFO	Update Component count = -1(details)	org.glassfish.admingui	Oct 28, 2010 11:20:19.605	__ThreadID=19;__ThreadName=Thre2;
79	WARNING	Error in getting update component list, cannot get image.(details)	org.glassfish.admingui	Oct 28, 2010 11:20:19.605	__ThreadID=19;__ThreadName=Thre2;
78	WARNING	Cannot create update center Image for /gf/glassfish3; Update Center functionality will not be availa...(details)	org.glassfish.admingui	Oct 28, 2010 11:20:19.604	__ThreadID=19;__ThreadName=Thre2;
77	WARNING	Unable to set request character encoding to UTF-8 from context , because request parameters have alr...(details)	org.apache.catalina.connector.Request	Oct 28, 2010 11:20:18.523	__ThreadID=19;__ThreadName=Thre2;
76	WARNING	Unable to set request character encoding to UTF-8 from context , because request parameters have alr...(details)	org.apache.catalina.connector.Request	Oct 28, 2010 11:20:18.013	__ThreadID=19;__ThreadName=Thre2;
75	WARNING	Unable to set request character encoding to UTF-8 from context , because request parameters have alr...(details)	org.apache.catalina.connector.Request	Oct 28, 2010 11:20:18.011	__ThreadID=19;__ThreadName=Thre2;
74	INFO	HeyOOOOOOO(details)	null	Oct 28, 2010 11:14:38.174	__ThreadID=19;__ThreadName=Thre2;
73	INFO	HeyOOOOOOO(details)	null	Oct 28, 2010	__ThreadID=19;__ThreadName=Thre2;

Known Issues

- 11520 - Record numbering issue in logviewer
- 14271 - Logging backend issue for config with no instance
- 10975 – No help button on logViewer

Developer Tests

Log related test : LoggerSettings.java

Admin Console Dev Tests available:

.../v3/admingui/devtests

Running Admin Console Dev Tests:

cd v3/admingui/devtests

mvn install to run all the devtests

mvn -Dtest=<TEST_CLASSNAME> test

eg mvn -Dtest=LoggerSettings test

Documents

One Pager

<http://wikis.sun.com/display/GlassFish/GF3.1AdminConsoleOnePager>

Project Plan

<http://wikis.sun.com/display/GlassFish/GlassFish3.1AdminConsole>

GUI Plugin Modules

<http://wikis.sun.com/download/attachments/209655113/admingui-3.1-modules.html>