

Technical Note #030

Oracle B2B Enabling Debug Mode

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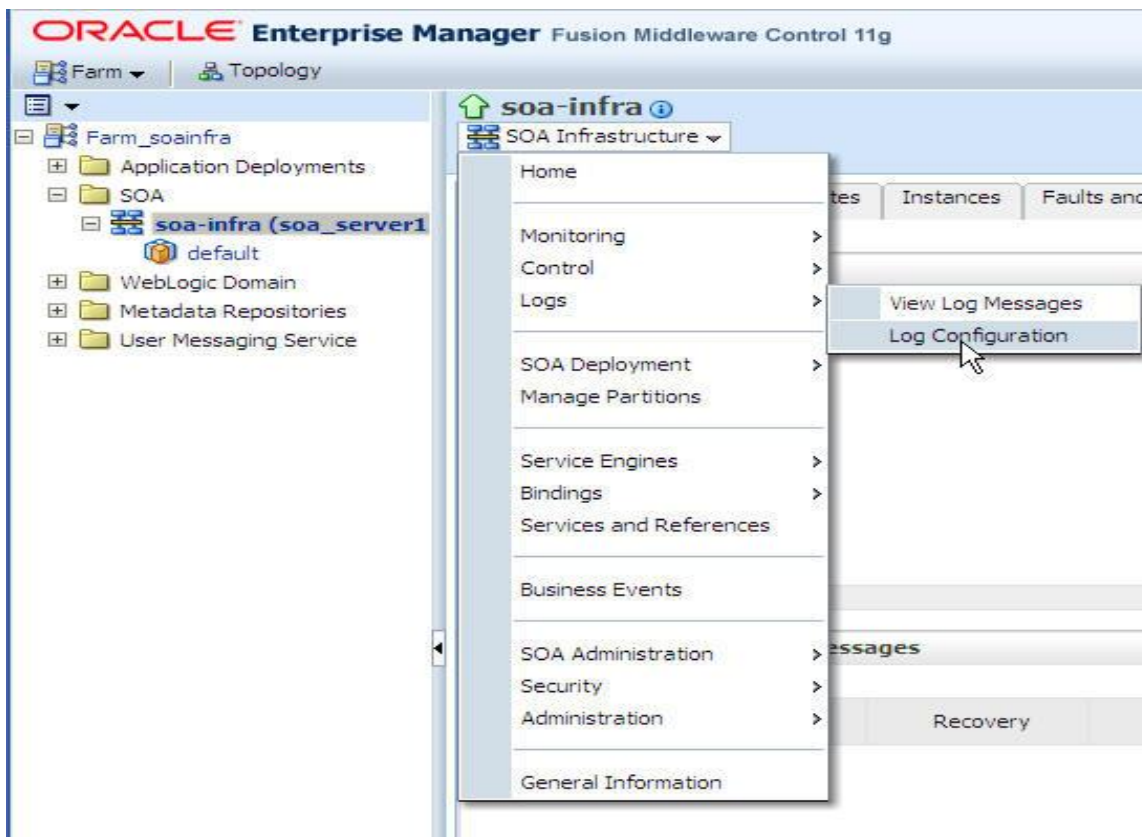
Background

This document explains how to enable the debug mode in Oracle B2B. A lot of times the debug mode needs to be set in order to view the log files or diagnose problems that are occurring. This tech note explains how to access the log configuration using the EM, set the desired log levels and where to locate the log files.

Enabling Debug Mode in B2B

Step 1: Login to Enterprise Manager <http://server:port:em> and go to “Log Configuration” as below

First we need to access the log configuration for Oracle B2B using the Enterprise Manager as shown below.



Step 2: Enable b2b debug as below:

Enable finest trace level for all components of B2B, or for specific components if you know where the problem lies.

Log Configuration
Use this page to configure basic and advanced log configuration settings.

Log Levels | Log Files

This page allows you to configure the log level for both persistent loggers and active runtime loggers. Persistent loggers are saved in a configuration file and become active when the component is started. The log levels for these loggers are persisted across component restarts. Runtime loggers are automatically created during runtime and become active when a component restarts. For example, oracle.j2ee.ejb.deployment.Logger is a runtime logger that becomes active when an EJB module is deployed. Runtime loggers are not persisted across component restarts.

View: Runtime Loggers

Search: All Categories

Logger Name	Oracle Diagnostic Logging Level (Java Level)
oracle.integration	NOTIFICATION:1 (INFO) [Inher]
oracle.sdp	NOTIFICATION:1 (INFO) [Inher]
oracle.sdpinternal	NOTIFICATION:1 (INFO) [Inher]
oracle.soa	NOTIFICATION:1 (INFO) [Inher]
oracle.soa.adapter	NOTIFICATION:1 (INFO) [Inher]
oracle.soa.b2b	TRACE:32 (FINEST)
oracle.soa.b2b.apptransport	TRACE:32 (FINEST)
oracle.soa.b2b.engine	TRACE:32 (FINEST)
oracle.soa.b2b.repository	TRACE:32 (FINEST)
oracle.soa.b2b.transport	TRACE:32 (FINEST)
oracle.soa.b2b.ui	TRACE:32 (FINEST)
oracle.soa.bpel	NOTIFICATION:1 (INFO) [Inher]
oracle.soa.dvm	NOTIFICATION:1 (INFO) [Inher]

Persist log level state across component restarts

Step 3: Download “soa_server1-diagnostic.log”

The soa_server1-diagnostic.log file will contain the debugging information, stack traces, errors and exception messages.

The screenshot displays the Oracle Enterprise Manager 11g Fusion Middleware Control interface. The left-hand navigation pane shows a tree structure with 'soa-infra (soa_server1)' selected. The main content area is titled 'Log Files' and contains a table with the following columns: Name, Directory, Log Type, and Last Modified. The table lists several log files, with 'soa_server1-diagnostic.log' highlighted. A context menu is open over this row, showing 'View Log File' and 'Download' options.

Name	Directory	Log Type	Last Modified
soa-diagnostic.log	/scratch/sankmani/fmwhome/user_projects/domains/soainfra/	Server	Feb 8, 2011 2:09:04 PM PST
owsm-diagnostic.log	/scratch/sankmani/fmwhome/user_projects/domains/soainfra/	Server	Feb 8, 2011 12:30:37 PM PST
soa-diagnostic-7.log	/scratch/sankmani/fmwhome/user_projects/domains/soainfra/	Server	Feb 7, 2011 11:36:57 AM PST
soa-diagnostic-6.log	/scratch/sankmani/fmwhome/user_projects/domains/soainfra/	Server	Feb 4, 2011 2:21:34 PM PST
soa-diagnostic-5.log	/scratch/sankmani/fmwhome/user_projects/domains/soainfra/	Server	Feb 4, 2011 1:36:53 PM PST
soa-diagnostic-4.log	/scratch/sankmani/fmwhome/user_projects/domains/soainfra/	Server	Feb 3, 2011 12:28:34 PM PST
soa-diagnostic-3.log	/scratch/sankmani/fmwhome/user_projects/domains/soainfra/	Server	Jan 25, 2011 4:35:32 PM PST
soa-diagnostic-2.log	/scratch/sankmani/fmwhome/user_projects/domains/soainfra/	Server	Jan 25, 2011 11:26:02 AM PST
soa-diagnostic-1.log	/scratch/sankmani/fmwhome/user_projects/domains/soainfra/	Server	Jan 24, 2011 10:21:10 AM PST
diagnostic.log	/scratch/sankmani/fmwhome/user_projects/domains/soainfra/	Server	Jan 21, 2011 3:23:15 PM PST
soa_server1.log	/scratch/sankmani/fmwhome/user_projects/domains/soainfra/	Server	Feb 8, 2011 2:09:37 PM PST
soa_server1-diagnostic.log	/scratch/sankmani/fmwhome/user_projects/domains/soainfra/	Server	Feb 8, 2011 2:09:04 PM PST
soa_server1.log00053	/scratch/sankmani/fmwhome/user_projects/domains/soainfra/	Server	Feb 8, 2011 12:23:12 PM PST
soa_server1.log00052	/scratch/sankmani/fmwhome/user_projects/domains/soainfra/	Server	Feb 8, 2011 10:39:08 AM PST
soa_server1.log00051	/scratch/sankmani/fmwhome/user_projects/domains/soainfra/	Server	Feb 8, 2011 9:49:08 AM PST
soa_server1.log00050	/scratch/sankmani/fmwhome/user_projects/domains/soainfra/	Server	Feb 7, 2011 12:40:23 PM PST
soa_server1.log00049	/scratch/sankmani/fmwhome/user_projects/domains/soainfra/	Server	Feb 6, 2011 4:28:26 AM PST
soa_server1.log00048	/scratch/sankmani/fmwhome/user_projects/domains/soainfra/	Server	Feb 4, 2011 8:25:28 PM PST
soa_server1.log00047	/scratch/sankmani/fmwhome/user_projects/domains/soainfra/	Server	Feb 4, 2011 3:32:55 PM PST

Conclusion

In summary, this tech note explains how to enable the debug mode in Oracle B2B using the Enterprise Manager. It explains how to access the log configuration, set the log levels and access the B2B log files.

Discuss this technical note in the [SOA Suite Discussion Forum](#) or [Oracle B2B Discussion Forum](#).