HP Operations Smart Plug-in for Oracle Application Server

for HP Operations Manager for UNIX®

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Reference Guide

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Contents

1 Oracle Application Server Metrics

This chapter provides detailed and summary listings of the HP Operations Smart Plug-in for Oracle Application Server (Oracle AS SPI) metrics. The metric descriptions will help you interpret the incoming Oracle AS SPI data. You can use this information for customizing metric templates.

The chapter contains the following sections:

- Metric Summary
- Metric Details

Metric Summary

Oracle AS SPI metric templates have pre-defined settings that simplify setup tasks for the Oracle AS SPI. However, you may want to customize these settings depending on your environment. This section and Metric Details on page 17 provides basic information required for such customizations.

The summary list provides a list of metrics and most basic information for each metric. Following the metric summary table are individual metric details for every Oracle Application Server metric and, when available, its monitor template settings. Monitor settings does not exist for metrics used for reporting or graphing only, hence the setting is labeled 'N/A' (not applicable).

The column key for the Metric Summary sheet is listed in Table 1.

Table 1 Metric Summary Sheet: Columns Key

Metric Number	The number assigned to the metric; for example 25 = C025. Numbers in the 200 range are for drill down metrics that collect values on a single instance of Oracle AS; for example 225 = C225.
Metric Name	The metric name in abbreviated form; for example, EJBTranRbPct = EJB Transaction Rollback Percent.
Description	What the collected metric value represents.
Avail. Oracle AS Version	Oracle Application Server version in which the metric is available. For example, version 10gR1(9.0.4), 10gR2 (10.1.2), or 10gR3 (10.1.3).

Table 1 Metric Summary Sheet: Columns Key

Type	The purpose for which the metric is collected: A = Alarming R = Reporting G = Graphing
Severity	The severity of the exceeded threshold condition (Critical, Major, Minor, Warning, Normal).
Area	The logical area of Oracle Application Server in which the metric belongs.

Table 2 Metric Summary

Number	Metric Name	Description	Avail. OAS Version	Type	Severity	Area
1	C001_ServerStatus	Status of the server	All	A	Critical	Availability
2	C002_ServerStatus Rep	Status of the server - reporting	All	R		Availability
5	C005_JVMMemUtil Pct	Percentage of heap space used in the JVM	All	GA	Critical Major	JVM (OC4J)
10	C010_CPUUtilPct	Percentage of CPU time utilized by the OHS server	All	GRA	Critical Warning	Process
11	C011_MemoryUtilP ct	Percentage of the physical memory utilized over the collection interval	All	GRA	Critical Warning	Process
20	C020_EJBClActThr eads	Total number of EJB client active threads accessing the actual implementati on of all methods for the entire server	All	GR		EJB (OC4J)

Table 2 Metric Summary

Number	Metric Name	Description	Avail. OAS Version	Type	Severity	Area
220	C220_EJBClActThreads	Number of client active threads accessing the actual implementation of an EJB method	All	RA	Warning	EJB (OC4J)
21	C021_EJBClAvgExecTim	Average time of EJB method clients spent inside the actual implementations of all methods (msec)	All	GR		EJB (OC4J)
221	C221_EJBClAvgExecTim	Average time spent inside the actual implementation of a specific EJB method (msec)	All	RA	Major Warning	EJB (OC4J)
22	C022_EJBClCallsPrcRt	Total number of requests processed by the actual implementation of all EJB methods over the collection interval (per minute)	All	GR		EJB (OC4J)
222	C222_EJBClCallsPrcRt	Total number of requests processed by the actual implementation of methods for each EJB over the collection interval (per minute)	All	RA	Warning	EJB (OC4J)

Table 2 Metric Summary

Number	Metric Name	Description	Avail. OAS Version	Type	Severity	Area
30	C030_EJBWrapAct Thrds	Total number of EJB active threads accessing the automatically generated wrapper of all methods for the entire server	All	GR		EJB (OC4J)
230	C230_EJBWrapAct Thrds	Number of active threads accessing the automatically generated wrapper of an EJB method	All	RA	Warning	EJB (OC4J)
31	C031_EJBWrpAvEx ecTim	Average time spent inside the automatically generated wrapper of all EJB methods (msec)	All	GR		EJB (OC4J)
231	C231_EJBWrpAvEx ecTim	Average time spent inside the automatically generated wrapper of a specific EJB method (msec)	All	RA	Major Warning	EJB (OC4J)
32	C032_EJBWrpCallP rcRt	Total number of requests processed by the automatically generated wrapper of all EJB methods over the collection interval (per minute)	All	GR		EJB (OC4J)

Table 2 Metric Summary

Number	Metric Name	Description	Avail. OAS Version	Type	Severity	Area
232	C232_EJBWrpCallPrcRt	Total number of requests processed by the automatically generated wrapper of methods for each EJB over the collection interval (per minute)	All	RA	Warning	EJB (OC4J)
240	C240_SrvltAvgExecTim	Average time spent on the servlet's service() call (msec) over the collection interval	All	RA	Major Warning	Servlet (OC4J)
241	C241_SrvltExecTime	Total time spent on the servlet's service() call (msec) over the collection interval	All	R		Servlet (OC4J)
42	C042_SrvltActThreads	Total number of threads servicing all servlets	All	GR		Servlet (OC4J)
245	C245_JSPAvgExecTime	Average time to serve a JSP (msec) over the collection interval	All	RA	Major Warning	JSP (OC4J)
246	C246_JSPExecTime	Total time to serve a JSP (msec) over the collection interval	All	R		JSP (OC4J)

Table 2 Metric Summary

Number	Metric Name	Description	Avail. OAS Version	Type	Severity	Area
47	C047_JSPActRequests	Total number of active requests for all JSPs	All	GR		JSP (OC4J)
247	C247_JSPActRequests	Current number of active requests for the JSP	All	RA	Warning	JSP (OC4J)
50	C050_JMSConnCreated	Frequency of the JMS connections created over the collection interval	All	GRA	Critical	JMS (OC4J)
251	C251_JMSTotalMsgCt	Total number of messages contained in the message store	All	RA	Critical	JMS (OC4J)
260	C260_JDBCacheMissPct	Percentage of failed connection requests	All	RA	Major Warning	JDBC (OC4J)
280	C280_WebCntxtAvRqPrc	Average time spent servicing web modules per request processed over the collection interval (msec)	All	GRA	Major Warning	Web Context (OC4J)
281	C281_WebCntxtActSess	Current number of active sessions for a web module within an application	All	GRA	Warning	Web Context (OC4J)
100	C100_HTTPSvrActConn	Number of active HTTP connections	All	GRA	Warning	HTTP (OHS)

Table 2 Metric Summary

Number	Metric Name	Description	Avail. OAS Version	Type	Severity	Area
108	C108_HTTPAvgRespSzRq	Average size of the response data (KB) per request completed by the HTTP server	All	GR		HTTP (OHS)
109	C109_HTTPVHAvRspSzRq	Average size of the response data (KB) per request completed by the HTTP server virtual host	All	GR		HTTP (OHS)
340	J340_SrvltAvgExecTim	Average response time of a servlet (in msecs) over the collection interval	10gR3		Warning Threshold	Servlets
360	J360_JDBCConnPoolUtil	Percentage utilization of available JDBC connections in connection pool	10gR3		Critical Major	JDBC
361	J361_JDBCConPlWtCnt	The number of threads waiting for a connection	10gR3		Critical Major	JDBC
362	J362_JDBCCnPlWtCntSm	The total number of threads waiting for a connection	10gR3		Critical Major	JDBC

Table 2 Metric Summary

Number	Metric Name	Description	Avail. OAS Version	Type	Severity	Area
364	J364_JDBCAvgWait Tim	Average time spent waiting for a connection (in msecs) over the collection interval	10gR3		Critical Major	JDBC
365	J365_JCAConnPool Util	Percentage utilization of available JCA connections in connection pool	10gR3		Critical Major	J2EE
366	J366_JCAConPlWtC nt	The number of threads waiting for a connection	10gR3		Critical Major	
367	J367_JCACnPlWtC ntSm	The total number of threads waiting for a connection	10gR3		Critical Major	
369	J369_JCAAvgTim	Average time spent waiting for a connection (in msecs) over the collection interval	10gR3		Critical Major	
371	J371_TranRollback Rt	Number of transactions rolledback per second	10gR3		Minor	Transaction

Metric Specification Description

Oracle AS SPI metrics can be identified as CXXX, where XXX represents the number assigned to the metric. The letter 'C' which preceeds the metric number designates the metric as an Oracle AS SPI metric.

- Oracle AS SPI metric numbers range from 0000 to 0999.
- The 1000 to 1999 range is reserved for User Defined Metrics.

The name of the metric monitor template associated with the metric begins with "OASSPI" followed by an underscore and the metric number. Zeroes are used to total a four-digit number; for example, metric number C001 = monitor template OASSPI_0001

The name of the Application Bank reports use the metric number and name seperated by an underscore. For example, for metric 5, the report is identified as C005_JVMMemUtilPct.

Table 3 Metric Attribute Definitions

Monitor Template Name	Always begins with "OASSPI," followed by the metric number. Within the monitor template, you can change settings as described in the definition. For example, you can change the settings for threshold value or severity.
Metric Name	The name assigned to the metric.
Metric Type	Shows how the metric is used for: • Alarming (using monitor template settings) • Reporting (within a report of HP Reporter) • Graphing (within a graph of HP Performance Manager)
Description	What the metric represents.
Avail. Oracle AS Version	The Oracle Application Server version for which the metric is available.
Severity: Condition with Threshold	The severity of the exceeded threshold condition (Critical, Major, Minor, Warning, Normal) and default threshold for metrics with parallel monitor templates. If multiple conditions—for example, graduated thresholds—are defined within the metric, severity levels are identified according to the specific condition. Metrics with a threshold value of 0 are set at 0.5 because HPOM alarms must occur at <= or >= values. Since a 0 value would always trigger an alarm, the threshold is set to 0.5.
Collection Interval	The time interval at which the metric is collected and analyzed (5 min, 15 min, 1 hour, 1 time daily).
HPOM Threshold Type	The type of threshold for a monitortored value that causes a message to be generated: • Minimum - a message is generated if the monitored value equals or drops below the minimum limit. • Maximum - a message is generated if the monitored value equals or exceeds the maximum limit.

Table 3 Metric Attribute Definitions

HPOM Message Generation	Describes how alarms/messages are generated. This setting is omitted because it is the same for all Oracle Application Server metrics (without reset). Message generation without reset generates alarms when the monitoring threshold is exceeded. Alarms are reset automatically when metric values are no longer in violation of the thresholds.
Message Group	The HPOM message group to which the metric belongs: • OASSPI = conditions occurring in the Oracle AS SPI • OracleAS= conditions occurring in the Oracle Application Server
Message Text	The message that appears for each condition.
Instruction Text	Problem-solving information (Probable causes, Potential impact, Suggested actions, and Reports).
Report Type	When a report or graph is available, the method in which it is generated. (Application Bank, Automatic, Operator-initiated, N/A). • Application Bank - Reports can be generated from the Application Bank in HPOM and are created for all Oracle OC4J/OHS server instances on the managed node. • Automatic - A report is generated automatically when an event is detected for a single Oracle OC4J/OHS server instance (the instance on which the event is detected). • Operator-initiated - A report or graph manually generated by the operator for the metric whose exceeded threshold generated the message along with other related metric values. • N/A - No report or graph is planned. All Automatic and Operator-initiated reports are available in the Application Bank. However, not all reports in the Application Bank are Automatic or Operator-initiated. Reports that use MeasureWare-only metrics (no alarms, just MeasureWare data) do not have an HPOM template for Operator-initiated nor Automatic actions. They are *only* available in the Application Bank.
Area	The logical area to which the metric belongs (Availability, Process, EJB, Servlet, JSP, JMS, JDBC, Web Context, HTTP).

For Oracle AS version 10gR3 onwards, the Oracle AS SPI collects some JSR 77 compliant metrics. These metrics can be identified as JXXX, where XXX denotes the number specified to the metric.
The name of the metric monitor template associated with these metrics begins with "JMXSPI" followed by an underscore and the metric number.

Metric Details

In this section Oracle AS SPI metrics are explained in detail.

Metric C001_ServerStatus

Monitor Template Name	OASSPI_0001
Metric Name	C001_ServerStatus
Metric Type	Alarming
Description	Status of the server.
Avail. Oracle AS Version	10gR1, 10gR2
Severity: Condition with Threshold	Critical: OASSPI-0001.1, threshold 1.5 Critical: OASSPI-0001.2, threshold 2.5 Critical: OASSPI-0001.3, threshold 3.5 Critical: OASSPI-0001.4, threshold 4.5 Critical: OASSPI-0001.5, threshold 5.5 Critical: OASSPI-0001.6, threshold 6.5 Critical: OASSPI-0001.7, threshold 7.5 Critical: OASSPI-0001.8, threshold 8.5
Collection Interval	5 minutes
HPOM Threshold Type	Minimum
Message Group	OracleAS
Message Text	OASSPI-0001.1: Server status: Unknown OASSPI-0001.2: Server status: BounceFail OASSPI-0001.3: Server status: InitFail OASSPI-0001.4: Server status: Stopped OASSPI-0001.5: Server status: Stop OASSPI-0001.6: Server status: Restart OASSPI-0001.7: Server status: Bounce OASSPI-0001.8: Server status: Init

Instruction Text	For each server, this metric reports the status of the HTTP server and the OC4J components for the Oracle Application Server (Oracle AS). **Probable cause**: If the server is not in the Alive state, the following events may have occurred: 1 The server is being initialized, bounced, or restarted. 2 The server is being stopped or has been stopped. 3 The server has failed to initialize or bounce. 4 The server may have gone down for other reasons. **Potential Impact**: If the server is in the Init, Bounce, or Restart state, it should be Alive soon. If the server is stopped or in the process of being stopped, the server is no longer available. If the server status is InitFail, BounceFail, or Unknown, it is not in the operational state and the Oracle AS administrator should be notified. **Suggested action**: If the designated server is not running, the Oracle AS Administrator should start the server using the appropriate script or the Oracle Enterprise Manager console. It is important to note if this is the HTTP server or an OC4J instance, since the startup process is different for each type. If the server has been stopped, it may have been placed in this state for a reason.
Report Type	N/A
Area	Availability

Metric C001_ServerStatus

Monitor Template Name	OASSPI_0001
Metric Name	C001_ServerStatus
Metric Type	Alarming
Description	Status of the server.
Avail. Oracle AS Version	10gR3
Severity: Condition with Threshold	
Collection Interval	
HPOM Threshold Type	
Message Group	
Message Text	
Instruction Text	
Report Type	
Area	OC4J

Metric C002_ServerStatusRep

Monitor Template Name	N/A—Used in a report generated by HP Reporter
Metric Name	C002_ServerStatusRep
Metric Type	Reporting
Description	Status of server—reporting
Avail. Oracle AS Version	10gR1, 10gR2, 10gR3
Severity: Condition with Threshold	N/A
Collection Interval	5 minutes
HPOM Threshold Type	N/A
Message Group	N/A
Message Text	N/A
Instruction Text	N/A
Report Type	N/A—Used in a report generated by HP Reporter
Area	Availability

Metric C005_JVMMemUtilPct

Monitor Template Name	OASSPI_0005
Metric Name	C005_JVMMemUtilPct
Metric Type	Alarming, Graphing
Description	Percentage of heap space used in the JVM.
Avail. Oracle AS Version	10gR1, 10gR2, 10gR3
Severity: Condition with Threshold	Critical: OASSPI-0005.1, threshold 98 for 20 minutes Major: OASSPI-0005.2, threshold 95 for 20 minutes
Collection Interval	5 minutes
HPOM Threshold Type	Maximum
Message Group	OracleAS
Message Text	OASSPI-0005.*x*: % of heap space used (<$VALUE>%) too high (>=<$THRESHOLD>%)

Instruction Text	The JVM is running out of available heap space. **Probable cause**: The JVM heap size may be set too low for the client load. **Potential impact**: The JVM heap size determines how often and how long the VM spends collecting garbage (de-allocating unused Java objects). The Java heap is where the objects of a Java program live. When an object can no longer be reached from any pointer in the running program, the object is garbage. Garbage collection affects performance because JVM work cannot proceed during full garbage collection. An acceptable rate for garbage collection is application-specific and should be adjusted after analyzing the actual time and frequency of garbage collections. The goal of tuning your heap size is to minimize the time that you spend doing garbage collection while maximizing the number of clients that you can handle at a given time. If you set a large heap size, full garbage collection is slower, but it occurs less frequently. For a smaller heap size, full garbage collection is faster, but occurs more frequently. **Suggested action**: While the amount of heap size required varies with each application and the amount of available memory, for most OC4J server applications, a minimum heap size of 256MB is advised. If you have additional memory available, a heap size of 512MB or more is preferred. To change the heap size allocated to the OC4J processes in an OC4J instance, use the procedures outlined in the *OracleAS Performance Guide* ("Using Application Server Control Console to Change the JVM command Line Options") to set the following Java options: **`-Xms`**<*size*>**`m -Xmx`**<*size*>**`m`** where <*size*> is the desired Java heap size, in megabytes. For additional details, see the *OracleAS Performance Guide* ("Setting the JVM Heap Size for OC4J Processes").
Report Type	Automatic
Area	JVM (OC4J)

Metric C010_CPUUtilPct

Monitor Template Name	OASSPI_0010
Metric Name	C010_CPUUtilPct
Metric Type	Alarming, Graphing, Reporting
Description	Percentage of the CPU time utilized by the OHS server.
Avail. Oracle AS Version	10gR1, 10gR2, 10gR3
Severity: Condition with Threshold	Critical: OASSPI-0010.1, threshold 98 for 20 minutes Warning: OASSPI-0010.2, threshold 95 for 20 minutes
Collection Interval	5 minutes
HPOM Threshold Type	Maximum
Message Group	OracleAS
Message Text	OASSPI-0010.*x*: % of CPU used (<$VALUE>%) too high (>=<$THRESHOLD>%)
Instruction Text	**Oracle HTTP Server (OHS) Component** The OHS process is saturating the amount of CPU being used on this node. This typically means that there is a need to increase CPU by moving to a larger node or by distributing the load to another OHS running on a second node. Distributing load to another OHS can be accomplished by deploying Oracle Web Cache in front of the OHS's. See the *Oracle Application Server Enterprise Deployment Guide* for more information on setting up different topologies. **For the OC4J Component** The OC4J JVM's are saturating the amount of CPU being used on this node. This typically means that there is a need to increase CPU power by moving to a larger node or by distributing the load to more OC4J JVM's running on another node. Distributing load can be done by creating another OC4J instance on a new node and including it in an OracleAS cluster where the original OC4J instance is running. The one or more OHS's running will then load balance requests across the OC4J's running on both nodes. See the *Distributed Configuration Management Administrator's Guide* and the *Oracle Application Server High Availability Guide* for more information.
Report Type	Automatic
Area	Process

Metric C011_MemoryUtilPct

Monitor Template Name	OASSPI_0011
Metric Name	C011_MemoryUtilPct
Metric Type	Alarming, Graphing, Reporting
Description	Percentage of the physical memory utilized over the collection interval.
Avail. Oracle AS Version	10gR1
Severity: Condition with Threshold	Critical: OASSPI-0011.1, threshold 98 for 20 minutes Warning: OASSPI-0011.2, threshold 95 for 20 minutes
Collection Interval	5 minutes
HPOM Threshold Type	Maximum
Message Group	OracleAS
Message Text	OASSPI-0011.*x*: % of physical memory used (<$VALUE>%) too high (>=$THRESHOLD>%)

Instruction Text	**Oracle HTTP Server (OHS) Component** The OHS process is saturating the amount of memory being used on this node. This typically means that there is a need to increase memory on this node or distribute the load to another OHS running on a second node. Distributing load can be accomplished by deploying Oracle Web Cache in front of the OHS's. See the *Oracle Application Server Enterprise Deployment Guide* for more information on setting up different topologies. Another way to possibly reduce the memory footprint of OHS is to unload any Apache modules you are not using. The Perl and PHP modules may be candidates for unloading if you are not using them. See the *Oracle HTTP Server Administrator's Guide* and the *Oracle Application Server Performance Guide* for more information. **OC4J Component** The OC4J JVM's are saturating the amount of memory being used on this node. This typically means that there is a need to increase memory on this node or distribute the load to more OC4J JVM's running on a second node. Distributing load can be accomplished by creating another OC4J instance on a new node and including it in an OracleAS cluster where the original OC4J instance is running. The one or more OHS's running will then load balance requests across the OC4J's running on both nodes. See the *Distributed Configuration Management Administrator's Guide* and the *Oracle Application Server High Availability Guide* for more information.
Report Type	Automatic
Area	Process

Metric C012_CPUUtilPctHTTP

Monitor Template Name	OASSPI_0012
Metric Name	C012_CPUUtilPctHTTP
Metric Type	Alarming, Graphing, Reporting
Description	Percent of the CPU time utilized by the HTTP server during the collection interval
Avail. Oracle AS Version	10gR2, 10gR3
Severity: Condition with Threshold	
Collection Interval	
HPOM Threshold Type	
Message Group	
Message Text	
Instruction Text	
Report Type	
Area	

Metric C013_ServerStatus

Monitor Template Name	OASSPI_0013
Metric Name	C013_ServerStatus
Metric Type	Alarming
Description	Status of the OHS server
Avail. Oracle AS Version	10gR3
Severity: Condition with Threshold	
Collection Interval	
HPOM Threshold Type	
Message Group	
Message Text	

Instruction Text	
Report Type	
Area	OHS

Metric C014_ThreadPoolUtil

Monitor Template Name	OASSPI_0014
Metric Name	C014_ThreadPoolUtil
Metric Type	Alarming, Graphing, Reporting
Description	The utilization of available connections in thread pool in percentage
Avail. Oracle AS Version	10gR3
Severity: Condition with Threshold	
Collection Interval	
HPOM Threshold Type	
Message Group	
Message Text	
Instruction Text	
Report Type	
Area	

Metric C015_ThreadPoolWaitCnt

Monitor Template Name	OASSPI_0015
Metric Name	C015_ThreadPoolWaitCnt
Metric Type	Alarming, Graphing, Reporting
Description	Number of task(s) waiting in the queue for the availabilty of a thread
Avail. Oracle AS Version	10gR3
Severity: Condition with Threshold	
Collection Interval	
HPOM Threshold Type	
Message Group	
Message Text	

Instruction Text	
Report Type	
Area	

Metric C020_EJBClActThreads

Monitor Template Name	OASSPI_0020
Metric Name	C020_EJBClActThrd
Metric Type	Reporting, Graphing
Description	Total number of EJB client active threads accessing the actual implementation of all methods for the entire server.
Avail. Oracle AS Version	10gR1
Severity: Condition with Threshold	N/A
Collection Interval	1 hour
HPOM Threshold Type	N/A
Message Group	N/A
Message Text	N/A
Instruction Text	N/A
Report Type	N/A
Area	EJB (OC4J)

Metric C220_EJBClActThreads

Monitor Template Name	OASSPI_0220
Metric Name	C220_EJBClActThreads
Metric Type	Alarming, Reporting
Description	Number of client active threads accessing the actual implementation of an EJB method.
Avail. Oracle AS Version	10gR1
Severity: Condition with Threshold	Warning: OASSPI-0220.1, threshold 100
Collection Interval	1 hour
HPOM Threshold Type	Maximum
Message Group	OracleAS
Message Text	OASSPI-0220.1: Number of EJB method client threads (<$VALUE>) too high (>=<$THRESHOLD>)
Instruction Text	The specific EJB method within an application that caused the violation can be found in the object field of the message. See the *Oracle Application Server Performance Guide* for information on tuning the performance of the application server.
Report Type	Automatic
Area	EJB (OC4J)

Metric C021_EJBClAvgExecTim

Monitor Template Name	OASSPI_0021
Metric Name	C021_EJBClAvgExecTim
Metric Type	Reporting, Graphing
Description	Average time (in milliseconds) of EJB method clients spent inside the actual implementations of all methods.
Avail. Oracle AS Version	10gR1
Severity: Condition with Threshold	N/A
Collection Interval	1 hour
HPOM Threshold Type	N/A
Message Group	N/A

Message Text	N/A
Instruction Text	N/A
Report Type	N/A
Area	EJB (OC4J)

Metric C221_EJBClAvgExecTim

Monitor Template Name	OASSPI_0221
Metric Name	C221_EJBClAvgExecTim
Metric Type	Alarming, Reporting
Description	Average time (in milliseconds) spent inside the actual implementation of a specific EJB method.
Avail. Oracle AS Version	10gR1
Severity: Condition with Threshold	Major: OASSPI-0221.1, threshold 5,000 Warning: OASSPI-0221.2, threshold 1,000
Collection Interval	1 hour
HPOM Threshold Type	Maximum
Message Group	OracleAS
Message Text	OASSPI-0221.*x*: Average execution time for EJB method (<$VALUE> msecs) too high (>=<$THRESHOLD> msecs)
Instruction Text	The specific EJB method within an application that caused the violation can be found in the object field of the message. This metric monitors the response time of specific methods. See the *Oracle Application Server Performance Guide* for information on tuning the performance of the application server.
Report Type	Automatic
Area	EJB (OC4J)

Metric C022_EJBClCallsPrcRt

Monitor Template Name	OASSPI_0022
Metric Name	C022_EJBClCallsPrcRt
Metric Type	Reporting, Graphing
Description	Total number of requests (per minute) processed by the actual implementation of all EJB methods over the collection interval.
Avail. Oracle AS Version	10gR1
Severity: Condition with Threshold	N/A
Collection Interval	1 hour
HPOM Threshold Type	N/A
Message Group	N/A
Message Text	N/A
Instruction Text	N/A
Report Type	N/A
Area	EJB (OC4J)

Metric C222_EJBClCallsPrcRt

Monitor Template Name	OASSPI_0222
Metric Name	C222_EJBClCallsPrcRt
Metric Type	Alarming, Reporting
Description	Total number of requests (per minute) processed by the actual implementation of methods for each EJB over the collection interval.
Avail. Oracle AS Version	10gR1
Severity: Condition with Threshold	Warning: OASSPI-0221.1, threshold 10,000
Collection Interval	1 hour
HPOM Threshold Type	Maximum
Message Group	OracleAS

Message Text	OASSPI-0222.1: Processing rate for EJB method calls (<$VALUE> per minute) too high (>=<$THRESHOLD> per minute)
Instruction Text	The specific EJB method within an application that caused the violation can be found in the object field of the message. This metric monitors throughput of an application. See the *Oracle Application Server Performance Guide* for information on tuning the performance of the application server.
Report Type	Automatic
Area	EJB (OC4J)

Metric C030_EJBWrapActThrds

Monitor Template Name	OASSPI_0030
Metric Name	C030_EJBWrapActThrds
Metric Type	Reporting, Graphing
Description	Total number of EJB active threads accessing the automatically generated wrapper of all methods for the entire server.
Avail. Oracle AS Version	10gR1
Severity: Condition with Threshold	N/A
Collection Interval	1 hour
HPOM Threshold Type	N/A
Message Group	N/A
Message Text	N/A
Instruction Text	N/A
Report Type	N/A
Area	EJB (OC4J)

Metric C230_EJBWrapActThrds

Monitor Template Name	OASSPI_0230
Metric Name	C230_EJBWrapActThrds
Metric Type	Alarming, Reporting
Description	Number of active threads accessing the automatically generated wrapper of an EJB method.
Avail. Oracle AS Version	10gR1
Severity: Condition with Threshold	Warning: OASSPI-0230.1, threshold 100
Collection Interval	1 hour
HPOM Threshold Type	Maximum
Message Group	OracleAS
Message Text	OASSPI-0230.1: Number of EJB wrapper method threads (<$VALUE>) too high (>=<$THRESHOLD>)

Instruction Text	The specific EJB method within an application that caused the violation can be found in the object field of the message. See the *Oracle Application Server Performance Guide* for information on tuning the performance of the application server.
Report Type	Automatic
Area	EJB (OC4J)

Metric C031_EJBWrpAvExecTim

Monitor Template Name	OASSPI_0031
Metric Name	C031_EJBWrpAvExecTim
Metric Type	Reporting, Graphing
Description	Average time (in milliseconds) spent inside all automatically generated wrapper of all EJB methods.
Avail. Oracle AS Version	10gR1
Severity: Condition with Threshold	N/A
Collection Interval	1 hour
HPOM Threshold Type	N/A
Message Group	N/A
Message Text	N/A
Instruction Text	N/A
Report Type	N/A
Area	EJB (OC4J)

Metric C231_EJBWrpAvExecTim

Monitor Template Name	OASSPI_0231
Metric Name	C231_EJBWrpAvExecTim
Metric Type	Alarming, Reporting
Description	Average time (in milliseconds) spent inside the automatically generated wrapper of a specific EJB method.
Avail. Oracle AS Version	10gR1
Severity: Condition with Threshold	Major: OASSPI-0231.1, threshold 5,000 Warning: OASSPI-0231.2, threshold 1,000
Collection Interval	1 hour
HPOM Threshold Type	Maximum
Message Group	OracleAS
Message Text	OASSPI-0231.*x*: Average execution time for EJB wrapper method (<$VALUE> msecs) too high (>=<$THRESHOLD> msecs)
Instruction Text	The specific EJB method within an application that caused the violation can be found in the object field of the message. This metric monitors the response time of specific methods. See the *Oracle Application Server Performance Guide* for information on tuning the performance of the application server.
Report Type	Automatic
Area	EJB (OC4J)

Metric C032_EJBWrpCallPrcRt

Monitor Template Name	OASSPI_0032
Metric Name	C032_EJBWrpCallPrcRt
Metric Type	Reporting, Graphing
Description	Total number of requests processed (per minute) by the automatically generated wrapper of all EJB methods over the collection interval.
Avail. Oracle AS Version	10gR1
Severity: Condition with Threshold	N/A
Collection Interval	1 hour

HPOM Threshold Type	N/A
Message Group	N/A
Message Text	N/A
Instruction Text	N/A
Report Type	N/A
Area	EJB (OC4J)

Metric C232_EJBWrpCallPrcRt

Monitor Template Name	OASSPI_0232
Metric Name	C232_EJBWrpCallPrcRt
Metric Type	Alarming, Reporting
Description	Total number of requests processed (per minute) by the automatically generated wrapper of methods for each EJB over the collection interval.
Avail. Oracle AS Version	10gR1
Severity: Condition with Threshold	Warning: OASSPI-0232.1, threshold 10,000
Collection Interval	1 hour
HPOM Threshold Type	Maximum
Message Group	OracleAS
Message Text	OASSPI-0232.1: Processing rate for EJB wrapper method calls (<$VALUE> per minute) too high (>=<$THRESHOLD> per minute)
Instruction Text	The specific EJB method within an application that caused the violation can be found in the object field of the message. This metric monitors throughput of an application. See the *Oracle Application Server Performance Guide* for information on tuning the performance of the application server.
Report Type	Automatic
Area	EJB (OC4J)

Metric C240_SrvltAvgExecTim

Monitor Template Name	OASSPI_0240
Metric Name	C240_SrvltAvgExecTim
Metric Type	Alarming, Reporting
Description	Average time spent (in milliseconds) on the servlet's service() call over the collection interval.
Avail. Oracle AS Version	10gR1
Severity: Condition with Threshold	Major: OASSPI-0240.1, threshold 5,000 Warning: OASSPI-0240.2, threshold 1,000
Collection Interval	1 hour
HPOM Threshold Type	Maximum
Message Group	OracleAS
Message Text	OASSPI-0240.*x*: Average execution time for the servlet (<$VALUE> msecs) too high (>=<$THRESHOLD> msecs)
Instruction Text	The specific servlet within an application that caused the violation can be found in the object field of the message. This metric monitors the response time of specific servlets. See the *Oracle Application Server Performance Guide* for information on tuning the performance of the application server.
Report Type	Automatic
Area	Servlet (OC4J)

Metric C241_SrvltExecTime

Monitor Template Name	OASSPI_0241
Metric Name	C241_SrvltExecTime
Metric Type	Reporting
Description	Total time (in milliseconds) spent on the servlet's service() call over the collection interval.
Avail. Oracle AS Version	10gR1
Severity: Condition with Threshold	N/A
Collection Interval	1 hour
HPOM Threshold Type	N/A

Message Group	N/A
Message Text	N/A
Instruction Text	N/A
Report Type	N/A
Area	Servlet (OC4J)

Metric C042_SrvltActThreads

Monitor Template Name	OASSPI_0042
Metric Name	C042_SrvltActThreads
Metric Type	Reporting, Graphing
Description	Total number of threads servicing all servlets.
Avail. Oracle AS Version	10gR1
Severity: Condition with Threshold	N/A
Collection Interval	1 hour
HPOM Threshold Type	N/A
Message Group	N/A
Message Text	N/A
Instruction Text	N/A
Report Type	N/A
Area	Servlet (OC4J)

Metric C242_SrvltActThreads

Monitor Template Name	OASSPI_0242
Metric Name	C242_SrvltActThreads
Metric Type	Alarming, Reporting
Description	Current number of threads servicing the servlet.
Avail. Oracle AS Version	10gR1
Severity: Condition with Threshold	Warning: OASSPI-0242.1, threshold 10,000
Collection Interval	1 hour
HPOM Threshold Type	Maximum
Message Group	OracleAS
Message Text	OASSPI-0242.1: Number of servlet active threads (<$VALUE>) too high (>=<$THRESHOLD>)
Instruction Text	The specific servlet within an application that caused the violation can be found in the object field of the message. This metric monitors the load of specific servlets on the system. See the *Oracle Application Server Performance Guide* for information on tuning the performance of the application server.
Report Type	Automatic
Area	Servlet (OC4J)

Metric C243_ServletReqRate

Monitor Template Name	OASSPI_0243
Metric Name	C243_ServletReqRate
Metric Type	Alarming, Reporting
Description	Number of requests for a servlet per second
Avail. Oracle AS Version	10gR2, 10gR3
Severity: Condition with Threshold	Warning: OASSPI-0243.1, threshold 10000
Collection Interval	1h
HPOM Threshold Type	Maximum
Message Group	Oracle AS

Message Text	OASSPI-0243.1: # of requests for application (<$OPTION(applicationname)>) for a servlet (<$VALUE>/sec) too high (>=<$THRESHOLD>/sec) [Policy: <$NAME>]
Instruction Text	N/A
Report Type	Application Bank: ASCII report
Area	Servlets

Metric C245_JSPAvgExecTime

Monitor Template Name	OASSPI_0245
Metric Name	C245_JSPAvgExecTime
Metric Type	Alarming, Reporting
Description	Average time to serve a JSP (in milliseconds) over the collection interval.
Avail. Oracle AS Version	10gR1
Severity: Condition with Threshold	Major: OASSPI-0245.1, threshold 5,000 Warning: OASSPI-0245.2, threshold 1,000
Collection Interval	1 hour
HPOM Threshold Type	Maximum
Message Group	OracleAS
Message Text	OASSPI-0245.1: Average service time for the JSP (<$VALUE> msecs) too high (>=<$THRESHOLD> msecs)
Instruction Text	The specific JSP within an application that caused the violation can be found in the object field of the message. This metric monitors the response time of specific JSPs. See the *Oracle Application Server Performance Guide* for information on tuning the performance of the application server.
Report Type	Automatic
Area	JSP (OC4J)

Metric C246_JSPExecTime

Monitor Template Name	OASSPI_0246
Metric Name	C246_JSPExecTime
Metric Type	Reporting

Description	Total time to serve a JSP (in milliseconds) over the collection interval.
Avail. Oracle AS Version	10gR1
Severity: Condition with Threshold	N/A
Collection Interval	1 hour
HPOM Threshold Type	N/A
Message Group	N/A
Message Text	N/A
Instruction Text	N/A
Report Type	N/A
Area	JSP (OC4J)

Metric C047_JSPActRequests

Monitor Template Name	OASSPI_0047
Metric Name	C047_JSPActRequests
Metric Type	Reporting, Graphing
Description	Total number of active requests for all JSPs.
Avail. Oracle AS Version	10gR1
Severity: Condition with Threshold	N/A
Collection Interval	1 hour
HPOM Threshold Type	N/A
Message Group	N/A
Message Text	N/A
Instruction Text	N/A
Report Type	N/A
Area	JSP (OC4J)

Metric C247_JSPActRequests

Monitor Template Name	OASSPI_0247
Metric Name	C245_JSPActRequests
Metric Type	Alarming, Reporting
Description	Current number of active requests for the JSP.
Avail. Oracle AS Version	All
Severity: Condition with Threshold	Warning: OASSPI-0247.1, threshold 10,000
Collection Interval	1 hour
HPOM Threshold Type	Maximum
Message Group	OracleAS
Message Text	OASSPI-0247.1: Number of JSP requests (<$VALUE>) too high (>=<$THRESHOLD>)

Instruction Text	The specific JSP within an application that caused the violation can be found in the object field of the message. This metric monitors the load of specific JSPs on the system. See the *Oracle Application Server Performance Guide* for information on tuning the performance of the application server.
Report Type	Automatic
Area	JSP (OC4J)

Metric C248_JSPReqRate

Monitor Template Name	OASSPI_0048
Metric Name	C248_JSPReqRate
Metric Type	Alarming, Reporting
Description	Number of requests, per second, for a JSP
Avail. Oracle AS Version	10gR1
Severity: Condition with Threshold	
Collection Interval	
HPOM Threshold Type	
Message Group	
Message Text	
Instruction Text	
Report Type	
Area	JSP (OC4J)

Metric C050_JMSConnCreated

Monitor Template Name	OASSPI_0050
Metric Name	C050_JMSConnCreated
Metric Type	Alarming, Reporting, Graphing
Description	Frequency of the JMS connections created over the collection interval.
Avail. Oracle AS Version	10gR1
Severity: Condition with Threshold	Critical: OASSPI-0050.1, threshold 98
Collection Interval	15 minutes
HPOM Threshold Type	Maximum
Message Group	OracleAS
Message Text	OASSPI-0050.1: Number of JMS connections created (<$VALUE>) too high (>=<$THRESHOLD>)

Instruction Text	This metric monitors the load of JMS connection on the system. See the *Oracle Application Server Performance Guide* for information on tuning the performance of the application server.
Report Type	Automatic
Area	JMS (OC4J)

Metric C251_JMSTotalMsgCt

Monitor Template Name	OASSPI_0251
Metric Name	C251_JMSTotalMsgCt
Metric Type	Alarming, Reporting
Description	Total number of messages contained in the message store.
Avail. Oracle AS Version	10gR1
Severity: Condition with Threshold	Critical: OASSPI-0251.1, threshold 100
Collection Interval	15 minutes
HPOM Threshold Type	Maximum
Message Group	OracleAS
Message Text	OASSPI-0251.1: Number of JMS messages in the store (<$VALUE>) too high (>=<$THRESHOLD>)
Instruction Text	The specific JMS that caused the violation can be found in the object field of the message. This metric monitors the backlog of the JMS message store. See the *Oracle Application Server Performance Guide* for information on tuning the performance of the application server.
Report Type	Automatic
Area	JMS (OC4J)

Metric C260_JDBCacheMissPct

Monitor Template Name	OASSPI_0260
Metric Name	C260_JDBCacheMissPct
Metric Type	Alarming, Reporting
Description	Percentage of failed cache connection requests.

Avail. Oracle AS Version	10gR1
Severity: Condition with Threshold	Major: OASSPI-0260.1, threshold 90 Warning: OASSPI-0260.2, threshold 80
Collection Interval	5 minutes
HPOM Threshold Type	Maximum
Message Group	OracleAS
Message Text	OASSPI-0260.*x*: JDBC connection cache misses (<$VALUE>%) too high (>=<$THRESHOLD>%)
Instruction Text	The specific JDBC connection cache instance can be found in the object field of the message. This alarm might indicate that the connection cache size should be increased. See the *Oracle Application Server Performance Guide* for information on tuning the performance of the application server.
Report Type	Automatic
Area	JDBC (OC4J)

Metric C280_WebCntxtAvRqPrc

Monitor Template Name	OASSPI_0280
Metric Name	C280_WebCntxtAvRqPrc
Metric Type	Alarming, Reporting, Graphing
Description	Average time spent (in milliseconds) servicing web modules per request processed over the collection interval.
Avail. Oracle AS Version	10gR1
Severity: Condition with Threshold	Major: OASSPI-0280.1, threshold 5,000 Warning: OASSPI-0280.2, threshold 1,000
Collection Interval	15 minutes
HPOM Threshold Type	Maximum
Message Group	OracleAS
Message Text	OASSPI-0280.*x*: Average Web context request processing time (<$VALUE> msecs) too high (>=<$THRESHOLD> msecs)
Instruction Text	The specific Web module instance of an application can be found in the object field of the message. This metric monitors the response time of the Web module within each J2EE application. See the *Oracle Application Server Performance Guide* for information on tuning the performance of the application server.
Report Type	Automatic
Area	Web Context (OC4J)

Metric C281_WebCntxtActSess

Monitor Template Name	OASSPI_0281
Metric Name	C281_WebCntxtActSess
Metric Type	Alarming, Reporting, Graphing
Description	Current number of active sessions for a web module within an application.
Avail. Oracle AS Version	10gR1
Severity: Condition with Threshold	Warning: OASSPI-0281.1, threshold 10,000
Collection Interval	15 minutes
HPOM Threshold Type	Maximum
Message Group	OracleAS
Message Text	OASSPI-0281.1: Number of Web context active sessions (<$VALUE>) too high (>=<$THRESHOLD>)
Instruction Text	The specific Web module instance of an application can be found in the object field of the message. This metric monitors the load of the Web module within each J2EE application. See the *Oracle Application Server Performance Guide* for information on tuning the performance of the application server.
Report Type	Automatic
Area	Web Context (OC4J)

Metric C290_TimerServiceStatus

Monitor Template Name	OASSPI_0290
Metric Name	C290_TimerServiceStatus
Metric Type	Alarming
Description	Status of the Timer service
Avail. Oracle AS Version	10gR2, 10gR3
Severity: Condition with Threshold	
Collection Interval	
HPOM Threshold Type	
Message Group	

Message Text	
Instruction Text	
Report Type	
Area	Timer Service

Metric C100_HTTPSvrActConn

Monitor Template Name	OASSPI_0100
Metric Name	C100_HTTPSvrActConn
Metric Type	Alarming, Reporting, Graphing
Description	Number of active HTTP connections.
Avail. Oracle AS Version	10gR1
Severity: Condition with Threshold	Warning: OASSPI-0100.1, threshold 100
Collection Interval	15 minutes
HPOM Threshold Type	Maximum
Message Group	OracleAS
Message Text	OASSPI-0100.1: Number of active HTTP connections (<$VALUE>) too high (>=<$THRESHOLD>)
Instruction Text	This metric measures the number of connections to the Oracle HTTP Server currently open. You are approaching the maximum allowable connections configured for this OHS. If your system can support the increased load you can increase the maximum allowable connections using the MaxClients directive which is configured in the OHS configuration file, `httpd.conf`. Please see “Configuring the MaxClients Directive” in the *Oracle Application Server Performance Guide* for more information. The *Oracle HTTP Administrator's Guide* should also be reviewed.
Report Type	Automatic
Area	HTTP (OHS)

Metric C108_HTTPAvgRespSzRq

Monitor Template Name	OASSPI_0108
Metric Name	C108_HTTPAvgRespSzRq
Metric Type	Reporting, Graphing

Description	Average size of the response data (in kilobytes) per request completed by the HTTP server.
Avail. Oracle AS Version	10gR1
Severity: Condition with Threshold	N/A
Collection Interval	15 minutes
HPOM Threshold Type	N/A
Message Group	N/A
Message Text	N/A
Instruction Text	N/A
Report Type	N/A
Area	HTTP (OHS)

Metric C109_HTTPVHAvRspSzRq

Monitor Template Name	OASSPI_0109
Metric Name	C109_HTTPVHAvRspSzRq
Metric Type	Reporting, Graphing
Description	Average size of the response data (in kilobytes) per request completed by the HTTP server virtual host.
Avail. Oracle AS Version	10gR1
Severity: Condition with Threshold	N/A
Collection Interval	15 minutes
HPOM Threshold Type	N/A
Message Group	N/A
Message Text	N/A
Instruction Text	N/A
Report Type	N/A
Area	HTTP (OHS)

Metric C272_TranRollbackResourceRt

Monitor Template Name	OASSPI_0272
Metric Name	C272_TranRollbackResourceRt
Metric Type	Alarming, Reporting
Description	Number of transactions rolled back, per second, because of an error in an enlisted resource
Avail. Oracle AS Version	10gR3
Severity: Condition with Threshold	Minor: OASSPI-0272.1, threshold 1
Collection Interval	5m
HPOM Threshold Type	Maximum
Message Group	Oracle AS
Message Text	OASSPI-0272.1: % of transactions rolled back due to resource error (<$VALUE>%) too high (>=<$THRESHOLD>%) [Policy: <$NAME>]

Instruction Text	**Probable cause**: The percent of transactions rolled back due to resource errors has exceeded the threshold value. Transactions are not successfully completing due to resource errors. **Potential impact**: Fewer user requests are being successfully completed. **Suggested action**: The administrator can monitor individual transactions from the Administration Console. In addition to displaying statistics, the following information can also be displayed: 1 Transactions by name, including rollback and time active information. 2 Transactions by resource, including statistics on total, committed, and rolled back transactions. All active transactions, including information on status, servers, resources, properties, and the transaction identifier.
Report Type	Application Bank: ASCII report
Area	Transactions

Metric C273_TranRollbackAppRt

Monitor Template Name	OASSPI_0273
Metric Name	C273_TranRollbackAppRt
Metric Type	Alarming, Reporting
Description	Number of transactions rolled back, per second, because of the application calling the setRollbackOnly or rollback processes explicitly per second
Avail. Oracle AS Version	10gR3
Severity: Condition with Threshold	Minor: OASSPI-0273.1, threshold 1
Collection Interval	5m
HPOM Threshold Type	Maximum
Message Group	Oracle AS
Message Text	OASSPI-0273.1: % of transactions rolled back due to application error (<$VALUE>%) too high (>=<$THRESHOLD>%) [Policy: <$NAME>]
Instruction Text	**Probable cause**: The percent of transactions rolled back due to application errors has exceeded the threshold value. Transactions are not successfully completing due to application errors. **Potential impact**: Fewer user requests are being successfully completed. **Suggested action**: The administrator can monitor individual transactions from the Administration Console. In addition to displaying statistics, the following information can also be displayed: 1 Transactions by name, including rollback and time active information. 2 Transactions by resource, including statistics on total, committed, and rolled back transactions. All active transactions, including information on status, servers, resources, properties, and the transaction identifier.
Report Type	Operator-initiated graph; Application Bank: ASCII report
Area	Transactions

Metric C274_TranRollbackTimedoutRt

Monitor Template Name	OASSPI_0274
Metric Name	J274_TranRollbackTimedoutRt
Metric Type	Alarming, Reporting
Description	Number of transactions rolled back, per second, because of timeout
Avail. Oracle AS Version	10gR3
Severity: Condition with Threshold	Minor: OASSPI-0274.1, threshold 1
Collection Interval	5m
HPOM Threshold Type	Maximum
Message Group	Oracle AS
Message Text	OASSPI-0274.1: % of transactions rolled back due to timeout error (<$VALUE>%) too high (>=<$THRESHOLD>%) [Policy: <$NAME>]
Instruction Text	**Probable cause**: The percent of transactions rolled back due to timeout errors has exceeded the threshold value. Transactions are not successfully completing due to timeout errors. **Potential impact**: Fewer user requests are being successfully completed. **Suggested action**: The administrator can monitor individual transactions from the Administration Console. In addition to displaying statistics, the following information can also be displayed: 1 Transactions by name, including rollback and time active information. 2 Transactions by resource, including statistics on total, committed, and rolled back transactions. All active transactions, including information on status, servers, resources, properties, and the transaction identifier.
Report Type	Operator-initiated graph; Application Bank: ASCII report
Area	Transactions

Metric C275_TranRollbackAdminRt

Monitor Template Name	OASSPI_0275
Metric Name	J275_TranRollbackAdminRt
Metric Type	Alarming, Reporting

Description	Number of transactions rolled back, per second, because of administrative action
Avail. Oracle AS Version	10gR3
Severity: Condition with Threshold	
Collection Interval	
HPOM Threshold Type	
Message Group	Oracle AS
Message Text	
Instruction Text	
Report Type	Operator-initiated graph; Application Bank: ASCII report
Area	Transactions

Metric J340_SrvltAvgExecTim

Monitor Template Name	JMXSPI_0340
Metric Name	J340_SrvltAvgExecTim
Metric Type	Alarming, Reporting
Description	Average response time of a servlet (in msecs) over the collection interval
Avail. Oracle AS Version	10gR3
Severity: Condition with Threshold	Warning: JMXSPI_0340.1, threshold 1000
Collection Interval	1h
HPOM Threshold Type	Maximum
Message Group	Generic JMX
Message Text	OASSPI-0340.1: Ave. execution time for a servlet (<$VALUE>ms) belongs to application <$OPTION(applicationname)> too high (>=<$THRESHOLD>ms) [Policy: <$NAME>]
Instruction Text	**Probable cause**: N/A **Potential impact**: N/A **Suggested action**: N/A
Report Type	Application Bank: ASCII report
Area	Servlets

Metric J360_JDBCConnPoolUtil

Monitor Template Name	JMXSPI_0360
Metric Name	J360_JDBCConnPoolUtil
Metric Type	Alarming, Reporting, Graphing
Description	The utilization, in percentage, of the JDBC connections available in the connection pool
Avail. Oracle AS Version	10gR3
Severity: Condition with Threshold	Critical: JMXSPI-0360.1, threshold 98% Major: JMXSPI-0360.2, threshold 95%
Collection Interval	5m
HPOM Threshold Type	Maximum

Message Group	Generic JMX
Message Text	JMXSPI-0360.1: % utilization of available JDBC connections in connection pool (<$VALUE>%) for application (<$OPTION(applicationname)>) too high (>=<$THRESHOLD>%) [Policy: <$NAME>] JMXSPI-0360.2: % utilization of available JDBC connections in connection pool (<$VALUE>%) for application (<$OPTION(applicationname)>) too high (>=<$THRESHOLD>%) [Policy: <$NAME>]
Instruction Text	**Probable cause**: N/A **Potential impact**: N/A **Suggested action**: N/A
Report Type	Application Bank: ASCII Report
Area	JDBC

Metric J361_JDBCConPlWtCnt

Monitor Template Name	JMXSPI_0361
Metric Name	J361_JDBCConPlWtCnt
Metric Type	Alarming, Reporting, Graphing
Description	The number of threads waiting for a connection
Avail. Oracle AS Version	10gR3
Severity: Condition with Threshold	Critical: JMXSPI-0361.1, threshold 98 Major: JMXSPI-0361.2, threshold 95
Collection Interval	5m
HPOM Threshold Type	Maximum
Message Group	Generic JMX
Message Text	JMXSPI-0361.1: % utilization of available JDBC connections in connection pool (<$VALUE>%) for application (<$OPTION(applicationname)>) too high (>=<$THRESHOLD>%) [Policy: <$NAME>] JMXSPI-0361.2: % utilization of available JDBC connections in connection pool (<$VALUE>%) for application (<$OPTION(applicationname)>) too high (>=<$THRESHOLD>%) [Policy: <$NAME>]
Instruction Text	**Probable cause**: N/A **Potential impact**: N/A **Suggested action**: N/A
Report Type	Operator-initiated graph
Area	JDBC

Metric J362_JDBCConPlWtCntSum

Monitor Template Name	JMXSPI_0362
Metric Name	J362_JDBCConPlWtCntSum
Metric Type	Alarming, Reporting, Graphing
Description	The total number of threads waiting for a connection
Avail. Oracle AS Version	10gR3
Severity: Condition with Threshold	Critical: JMXSPI-0362.1, threshold 98 Major: JMXSPI-0362.2, threshold 95

Collection Interval	5m
HPOM Threshold Type	Maximum
Message Group	Generic JMX
Message Text	JMXSPI-0362.1: % utilization of available JDBC connections in connection pool (<$VALUE>%) for application (<$OPTION(applicationname)>) too high (>=<$THRESHOLD>%) [Policy: <$NAME>] JMXSPI-0362.2: % utilization of available JDBC connections in connection pool (<$VALUE>%) for application (<$OPTION(applicationname)>) too high (>=<$THRESHOLD>%) [Policy: <$NAME>]
Instruction Text	**Probable cause**: N/A **Potential impact**: N/A **Suggested action**: N/A
Report Type	Operator-initiated graph
Area	JDBC

Metric J364_JDBCAvgWaitTim

Monitor Template Name	JMXSPI_0364
Metric Name	J364_JDBCAvgWaitTim
Metric Type	Alarming, Reporting
Description	Average time spend waiting for a connection (in msecs) over the collection interval
Avail. Oracle AS Version	10gR3
Severity: Condition with Threshold	Critical: JMXSPI-0364.1, threshold 98 Major: JMXSPI-0364.2, threshold 95
Collection Interval	5m
HPOM Threshold Type	Maximum
Message Group	Generic JMX
Message Text	JMXSPI-0364.1: % utilization of available JDBC connections in connection pool (<$VALUE>%) for application (<$OPTION(applicationname)>) too high (>=<$THRESHOLD>%) [Policy: <$NAME>] JMXSPI-0364.2: % utilization of available JDBC connections in connection pool (<$VALUE>%) for application (<$OPTION(applicationname)>) too high (>=<$THRESHOLD>%) [Policy: <$NAME>]
Instruction Text	**Probable cause**: N/A **Potential impact**: N/A **Suggested action**: N/A
Report Type	Automatic Action: ASCII report
Area	JDBC

Metric J365_JCAConnPoolUtil

Monitor Template Name	JMXSPI_0365
Metric Name	J365_JCAConnPoolUtil
Metric Type	Alarming, Reporting, Graphing
Description	Utilization, in percentage, of JCA connections available in the connection pool
Avail. Oracle AS Version	10gR3

Severity: Condition with Threshold	JMXSPI_0365.1: Critical threshold, threshold = 98 JMXSPI_0365.2: Major threshold, threshold = 95
Collection Interval	
HPOM Threshold Type	Maximun
Message Group	Generic JMX
Message Text	JMXSPI_0365.1: % utilization of available JCA connections in connection pool (<$VALUE>%) too high (>=<$THRESHOLD>%) [Policy: <$NAME>] JMXSPI_0365.2: % utilization of available JCA connections in connection pool (<$VALUE>%) too high (>=<$THRESHOLD>%) [Policy: <$NAME>]
Instruction Text	**Probable cause**: N/A **Potential impact**: N/A **Suggested action**: N/A
Report Type	Automatic Action: ASCII report
Area	J2EE

Metric J366_JCAConPlWtCnt

Monitor Template Name	JMXSPI_0366
Metric Name	J366_JCAConPlWtCnt
Metric Type	Alarming, Reporting, Graphing
Description	The number of threads waiting for a connection
Avail. Oracle AS Version	10gR3
Severity: Condition with Threshold	JMXSPI_0366.1: Critical threshold, threshold = 10 JMXSPI_0366.2: Major threshold, threshold = 95
Collection Interval	
HPOM Threshold Type	Maximun
Message Group	Generic JMX
Message Text	JMXSPI_0366.1: Critical threshold, % utilization of available JDBC connections in connection pool (<$VALUE>%) for application (<$OPTION(applicationname)>) too high (>=<$THRESHOLD>%) [Policy: <$NAME>] JMXSPI_0366.2: Major threshold, % utilization of available JDBC connections in connection pool (<$VALUE>%) for application (<$OPTION(applicationname)>) too high (>=<$THRESHOLD>%) [Policy: <$NAME>]
Instruction Text	**Probable cause**: N/A **Potential impact**: N/A **Suggested action**: N/A
Report Type	
Area	

Metric J367_JCAConPlWtCntSum

Monitor Template Name	JMXSPI_0367
Metric Name	J367_JCAConPlWtCntSum
Metric Type	Alarming, Reporting, Graphing
Description	The total number of threads waiting for a connection
Avail. Oracle AS Version	10gR3
Severity: Condition with Threshold	JMXSPI_0367.1: Critical threshold, threshold = 98 JMXSPI_0367.2: Major threshold, threshold = 95

Collection Interval	
HPOM Threshold Type	Maximun
Message Group	Generic JMX
Message Text	JMXSPI_0367.1: % utilization of available JDBC connections in connection pool (<$VALUE>%) for application (<$OPTION(applicationname)>) too high (>=<$THRESHOLD>%) [Policy: <$NAME>] JMXSPI_0367.2: % utilization of available JDBC connections in connection pool (<$VALUE>%) for application (<$OPTION(applicationname)>) too high (>=<$THRESHOLD>%) [Policy: <$NAME>]
Instruction Text	**Probable cause**: N/A **Potential impact**: N/A **Suggested action**: N/A
Report Type	
Area	

Metric J369_JCAAvgWaitTim

Monitor Template Name	JMXSPI_0369
Metric Name	J369_JCAAvgWaitTim
Metric Type	Alarming
Description	Average time spent (in msecs) waiting for a connection during the collection interval
Avail. Oracle AS Version	10gR3
Severity: Condition with Threshold	JMXSPI_0369.1: Critical threshold, threshold = 98 JMXSPI_0369.2: Major threshold, threshold = 95
Collection Interval	
HPOM Threshold Type	Maximun
Message Group	Generic JMX
Message Text	JMXSPI_0369.1: % utilization of available JDBC connections in connection pool (<$VALUE>%) for application (<$OPTION(applicationname)>) too high (>=<$THRESHOLD>%) [Policy: <$NAME>] JMXSPI_0369.2: % utilization of available JDBC connections in connection pool (<$VALUE>%) for application (<$OPTION(applicationname)>) too high (>=<$THRESHOLD>%) [Policy: <$NAME>]
Instruction Text	**Probable cause**: N/A **Potential impact**: N/A **Suggested action**: N/A
Report Type	
Area	

Metric J371_TranRollbackRt

Monitor Template Name	JMXSPI_0371
Metric Name	J371_TranRollbackRt
Metric Type	Alarming, Reporting
Description	Number of transactions rolled back per second
Avail. Oracle AS Version	10gR3
Severity: Condition with Threshold	Minor: OASSPI-0371.1, threshold, 1

Collection Interval	5m
HPOM Threshold Type	Maximum
Message Group	Generic JMX
Message Text	OASSPI-0371.1: % of transactions rolled back (<$VALUE>%) too high (>=<$THRESHOLD>%) [Policy: <$NAME>]
Instruction Text	**Probable cause**: N/A **Potential impact**: N/A **Suggested action**: N/A
Report Type	Application Bank: ASCII report
Area	Transactions

2 Oracle AS SPI Log File and Configuration File Templates

This chapter describes the Smart Plug-in for Oracle Application Server (Oracle AS SPI) templates that monitor the logfiles of Oracle Application Server and Oracle AS SPI.

OASSPI Error Log

Description	Monitors the Oracle AS SPI error log and captures critical errors, which it sends to the Message Browser.
Severity	Critical
Message Group	OASSPI
Help Text	Available for each error as detected: WASSPI-1 through WASSPI-232. For detailed help text for all error messages, see Chapter 6 of *HP Operations Smart Plug-in for Oracle Application Server Configuration Guide*.

OracleAS Log Template

Description	Catches critical errors and warnings in the Oracle Application Server log file.
Severity	Critical Warning
Message Group	OracleAS
Help Text	**Probable cause**: A message with the indicator 'Emergency' or 'Critical' was detected in the Oracle Application Server log file. OR A message with the indicator 'Notice,' 'Error' or 'Alert' was detected in the Oracle Application Server log file. **Suggested action**: Examine the error and use the Oracle Application Server manuals or online help to determine the exact cause and action to take.

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