Oracle® Application Management Pack for Oracle E-Business Suite

Metric Reference Manual

Release 13c

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Oracle Application Management Pack for Oracle E-Business Suite Metric Reference Manual, Release 13c

Part No. E80932-02

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Preface

Intended Audience

Welcome to Release 13c of the *Oracle Application Management Pack for Oracle E-Business Suite Metric Reference Manual.*

This book is intended for database administrators and system administrators who are responsible for performing the tasks associated with maintaining an Oracle E-Business Suite system using the Oracle Application Management Pack for Oracle E-Business Suite.

See Related Information Sources on page xxiii for more Oracle E-Business Suite product information.

Documentation Accessibility

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Structure

1 How to Use This Manual
The Oracle Application Management Pack for Oracle E-Business Suite Metric Reference Manual lists all the relevant target metrics that Enterprise Manager monitors.

For more information about concurrent managers, see your Oracle E-Business Suite user documentation.

2 Custom Oracle Concurrent Manager

A concurrent manager is a process manager that coordinates the processes generated by users' requests to run various data-intensive programs. An Oracle E-Business Suite product group can have several concurrent managers. This chapter provides information about the metrics defined for the Custom Oracle Concurrent Manager. These metrics are also applicable to Oracle-delivered Concurrent Managers.

For more information about concurrent managers, see your Oracle E-Business Suite user documentation.

3 Custom Oracle Concurrent Program

This chapter provides information about the metrics defined for the Custom Oracle Concurrent Program target. These metrics are also applicable for Oracle-delivered concurrent programs.

For information about concurrent programs, see your Oracle E-Business Suite user documentation.

4 Forms Listener for Oracle E-Business Suite

This chapter describes the metrics defined for the Forms Listener for Oracle E-Business Suite.

For more information about the Forms Listener, see your Oracle E-Business Suite user documentation.

5 Oracle Applications JVM Usage

The Oracle Applications JVM Usage target monitors the Oracle Applications Java Virtual Machines (JVMs).

6 Oracle Concurrent Processing

An Oracle concurrent manager is a process manager that coordinates the processes generated by users' requests to run various data-intensive programs. An Oracle E-Business Suite product group can have several concurrent managers.

For more information about Oracle concurrent processing, see your Oracle E-Business Suite documentation.

7 Oracle E-Business Suite

Oracle E-Business Suite is a complete set of business applications for managing and automating processes across your enterprise.

8 Oracle E-Business Suite Conflict Resolution Manager

The Oracle E-Business Suite Conflict Resolution Manager enforces rules designed to ensure that incompatible concurrent requests do not run in the same conflict. This chapter describes the metrics available for the Conflict Resolution Manager target.

9 Oracle E-Business Suite Node

This chapter provides descriptions for the metrics defined for the Oracle E-Business Suite Node.

10 Oracle E-Business Suite Output Post Processor

Concurrent processing uses the Output Post Processor (OPP) to enforce post-processing actions for concurrent requests. Post-processing actions are actions taken on concurrent request output. An example of a post-processing action is that used in publishing concurrent requests with XML Publisher. This chapter provides descriptions of the metrics available for the Oracle E-Business Suite Output Post Processor.

11 Oracle MobileApps Telnet Listener

This chapter provides information about the metrics defined for the Oracle MobileApps Telnet Listener target.

12 Oracle Workflow Agent Listener

The Oracle Workflow Agent Listener is the target for monitoring the Oracle Workflow Agent listeners.

For more information about Oracle Workflow Agent listeners, see your Oracle Workflow user documentation.

13 Oracle Workflow Background Engine

The Oracle Workflow Background Engine target monitors the Oracle Workflow Background Engine.

14 Oracle Workflow Notification Mailer

Oracle Workflow Notification Mailer is a service component that sends e-mail notifications to users through a mail application, and processes e-mail responses.

Related Information Sources

Oracle Application Management Pack for Oracle E-Business Suite Guide

This book is intended for database administrators and system administrators who are responsible for performing the tasks associated with maintaining an Oracle E-Business Suite system using the Oracle Application Management Pack for Oracle E-Business Suite.

Oracle E-Business Suite System Administrator's Guide Documentation Set

 This documentation set provides planning and reference information for the Oracle E-Business Suite System Administrator.

For Oracle E-Business Suite Release 12.1, the *Oracle E-Business Suite System Administrator's Guide - Configuration* contains information on system configuration steps, including defining concurrent programs and managers, enabling Oracle Applications Manager features, and setting up printers and online help. *Oracle E-Business Suite System Administrator's Guide - Maintenance* provides information for frequent tasks such as monitoring your system with Oracle Applications Manager, managing concurrent managers and reports, using diagnostic utilities, managing profile options, and using alerts. *Oracle E-Business Suite System Administrator's Guide - Security* describes User Management, data security, function security, auditing, and security configurations.

For Oracle E-Business Suite Release 12.2, refer to the *Oracle E-Business Suite Setup Guide*, *Oracle E-Business Suite Maintenance Guide*, and *Oracle E-Business Suite Security Guide*.

Oracle Enterprise Manager Cloud Control Introduction

This manual introduces Oracle Enterprise Manager. It provides a brief overview of the system architecture and describes the key features of the product. The manual also details new features in this release.

Oracle Enterprise Manager Cloud Control Basic Installation Guide

This guide enables you to begin the installation of a new Enterprise Manager system.

Oracle Enterprise Manager Cloud Control Advanced Installation and Configuration Guide

Oracle Enterprise Manager Cloud Control Advanced Installation and Configuration Guide is an extension to *Oracle Enterprise Manager Cloud Control Basic Installation Guide*. While the *Oracle Enterprise Manager Cloud Control Basic Installation Guide* covers basic installation procedures that help you get started with Enterprise Manager Cloud Control, the *Oracle Enterprise Manager Cloud Control Advanced Installation and Configuration Guide* covers advanced installation procedures that help you install and configure the Enterprise Manager Cloud Control components in more complex environments.

Oracle Enterprise Manager Cloud Control Upgrade Guide

This guide describes how you can upgrade from an existing Oracle Enterprise Manager 12c to Oracle Enterprise Manager Cloud Control 13c.

Oracle Enterprise Manager Cloud Control Administrator's Guide

This guide describes how to set up a Private Cloud, manage and deploy virtualization targets with Oracle Enterprise Manager 13c.

Oracle Enterprise Manager Lifecycle Management Administrator's Guide

The Lifecycle Management Guide introduces you to the lifecycle management solutions offered by Oracle Enterprise Manager Cloud Control (Cloud Control) and describes in detail how you can use the discovery, provisioning, patching, and configuration and compliance management features to manage your data center.

Do Not Use Database Tools to Modify Oracle E-Business Suite Data

Oracle STRONGLY RECOMMENDS that you never use SQL*Plus, Oracle Data Browser, database triggers, or any other tool to modify Oracle E-Business Suite data unless otherwise instructed.

Oracle provides powerful tools you can use to create, store, change, retrieve, and maintain information in an Oracle database. But if you use Oracle tools such as SQL*Plus to modify Oracle E-Business Suite data, you risk destroying the integrity of your data and you lose the ability to audit changes to your data.

Because Oracle E-Business Suite tables are interrelated, any change you make using an Oracle E-Business Suite form can update many tables at once. But when you modify Oracle E-Business Suite data using anything other than Oracle E-Business Suite, you may change a row in one table without making corresponding changes in related tables.

If your tables get out of synchronization with each other, you risk retrieving erroneous information and you risk unpredictable results throughout Oracle E-Business Suite.

When you use Oracle E-Business Suite to modify your data, Oracle E-Business Suite automatically checks that your changes are valid. Oracle E-Business Suite also keeps track of who changes information. If you enter information into database tables using database tools, you may store invalid information. You also lose the ability to track who has changed your information because SQL*Plus and other database tools do not keep a record of changes.

1

How to Use This Manual

The Oracle Application Management Pack for Oracle E-Business Suite Metric Reference Manual lists all the relevant target metrics that Enterprise Manager monitors.

For more information about concurrent managers, see your Oracle E-Business Suite user documentation.

This chapter covers the following topics:

- Structure of This Manual
- Background Information on Metrics, Thresholds, and Alerts
- Troubleshooting Metrics

Structure of This Manual

This manual contains a chapter for each Oracle E-Business Suite target for which there are metrics.

The metrics in each chapter are in alphabetical order according to category.

Metric Information

The information for each metric comprises a description, summary of the metric's "vital statistics", data source (if available), and user action. The following list provides greater detail:

- Description

  Explanation following the metric name. This text defines the metric and, when available, provides additional information pertinent to the metric.

- Metric Summary

  Explains in table format the target version, collection frequency, default warning threshold, and default critical threshold for the metric.

- Data Source

  How the metric is calculated. In some metrics, data source information is not available.

- User Action

  Suggestions of how to solve the problem causing the alert. In some metrics, user actions are not available or applicable. Users can define automated corrective actions to respond to the metric threshold alerts. For information about creating corrective actions, see the "Creating Corrective Actions" section of the *Oracle Enterprise Manager Cloud Control Administrator's Guide*.

Examples of Metric Summary Tables

This section provides examples of Metric Summary tables you will see in the *Oracle Application Management Pack for Oracle E-Business Suite Metric Reference Manual*.

When default thresholds are not defined for a metric, only the target version and collection frequency are available.

Target Version	Collection Frequency
All Versions	Every 15 Minutes

Definitions of Columns in Metric Summary Tables

As previously mentioned, the Metric Summary table is part of the overall metric information. The following table provides descriptions of columns in the Metric Summary table.

Column Header	Column Definition
Target Version	Version of the target. For example, Oracle E-Business Suite Release 12.1 or Release 12.2.
Collection Frequency	The rate at which the Management Agent collects data. The collection frequency for a metric comes from the Enterprise Manager default collection file for that target type.

Column Header	Column Definition
Default Warning Threshold	Value that indicates whether a warning alert should be initiated. If the evaluation of the warning threshold value returns a result of TRUE for the specified number of consecutive occurrences defined for the metric, an alert triggers at the warning severity level.
Default Critical Threshold	Value that indicates whether a critical alert should be initiated. If the evaluation of the critical threshold value returns a result of TRUE for the specified number of consecutive occurrences defined for the metric, an alert triggers at the critical severity level.

Abbreviations and Acronyms

To reduce the page count in this document, the following abbreviations and acronyms are used:

Abbreviation/Acronym	Name
Management Agent or Agent	Oracle Management Agent
Database	Oracle Database
Management Service or OMS	Oracle Management Service
Management Repository or Repository	Oracle Management Repository

Background Information on Metrics, Thresholds, and Alerts

An event is a significant occurrence on a managed target that typically indicates something has occurred outside normal operating conditions, such as a performance threshold violation, an unapproved change in application configuration files, or job failure. An event can also be raised to signal successful operations or a job successfully completed.

Existing Enterprise Manager customers may be familiar with metric alerts and metric collection errors. For Enterprise Manager 12c, metric alerts are a type of event. A metric alert event is generated when an alert occurs for a metric on a specific target (Example:

CPU utilization for a host target) or a metric on a target and object combination (Example: Space usage on a specific tablespace of a database target.)

Thresholds are boundary values against which monitored metric values are compared. For example, you can define warning and critical thresholds to monitor the number of pending concurrent requests. If a large number of concurrent requests are pending and an incident is raised and then you can receive a notification. This example helps in the proactive monitoring of concurrent requests. Some thresholds are predefined by Oracle, and others are not.

Once a threshold is reached, a metric alert is generated. This alert is an indicator signifying that a particular condition has been encountered and is triggered when one of the following conditions is true:

- A threshold is reached.

- An alert has been cleared.

- The availability of a monitored service changes. For example, the availability of an application server changes from up to down.

- A specific condition occurs. For example, an alert is triggered whenever an error message is written to a database alert log file.

Alerts are detected through a polling-based mechanism by checking for the monitored condition from a separate process at regular, predefined intervals.

> **Additional Information:** See the *Oracle Enterprise Manager Concepts* manual and the *Oracle Enterprise Manager Administrator's Guide* for additional information about metrics, thresholds, and alerts.

Editing

Out of the box, Enterprise Manager comes with thresholds for critical metrics. Warning and critical thresholds are used to generate an alert, letting you know of impending problems so that you can address them in a timely manner.

To better suit the monitoring needs of your organization, you can edit the thresholds provided by Enterprise Manager and define new thresholds. When defining thresholds, the key is to choose acceptable values to avoid unnecessary alerts, while still being notified of issues in a timely manner.

You can establish thresholds that will provide pertinent information in a timely manner by defining metric baselines that reflect how your system runs for a normal period of time.

The metrics listed on the Edit Thresholds page are either default metrics provided by Oracle or metrics whose thresholds you can change.

Accessing Metrics Using the Cloud Control Console

To access metrics in the Cloud Control Console, use the All Metrics page associated with the Oracle E-Business Suite targets by doing the following:

1. From the Cloud Control Console, choose the Oracle E-Business Suite target.

2. On the target's home page, click **All Metrics** in the Related Links section.

3. On the All Metrics page, choose the metric of interest.

Troubleshooting Metrics

In the unlikely situation that a metric does not report a correct value, you need to determine if the problem is related to the:

• Metric providing the wrong values or failing with an error, or

• If the problem is *after* the Management Agent in the execution flow of the metric, that is, the metric value is correct but, for some reason, the data is not reaching the Oracle Management Service.

To aid you in this determination, Oracle provides the Metric Browser; a troubleshooting tool that can be used with Enterprise Manager to see the raw data being collected by the Management Agent.

Accessing the Metric Browser

When enabled, the Metric Browser can be accessed using a web browser such as Mozilla Firefox or Microsoft Internet Explorer, using a URL of the form:

```
http|https://agent_hostname:agent_port/emd/browser/main
```

for example

```
http://myServer.myDomain:3872/emd/browser/main
```

> **Note:** You can determine the protocol (http or https), the host name, and the Management Agent port that should be used from the output of the following command (run on the Management Agent host): `agent_home/bin/emctl status agent`

The Management Agent URL, listed in the output to that command, needs only to have browser placed between *emd* and *main*.

By default, the Metric Browser is disabled. When the Metric Browser is disabled, you receive the following error:

```
HTTP Error 403 - Forbidden if the metric browser has not been
enabled.
```

How to Enable the Metric Browser and the Management Agent Browser for the Oracle Management Agent

To enable the Metric Browser:

1. Set the enableMetricBrowser property in the Management Agent's emd.properties file. The location of that file depends on the type of Management Agent you are working with:

   - For the Cloud Control (central | standalone) Management Agent, the file is:

     `AGENT_HOME/sysman/config/emd.properties`

   - For a clustered (RAC) Management Agent install, the file is:

     `AGENT_HOME/hostname/sysman/config/emd.properties`

   - For the Database Control Management Agent, the file is:

     `DATABASE_HOME/hostname_SID/sysman/config/emd.properties`

   - For Application Server Control Management Agent, the file is:

     `AS_HOME/sysman/config/emd.properties`

2. Make a backup copy of the emd.properties file.

3. Edit the file and locate the line that reads:

   ```
   #To enable the metric browser, uncomment the following line
   #This is a reloadable parameter
   #
   #enableMetricBrowser=true
   ```

4. Uncomment the line: #enableMetricBrowser=true, so that it reads:

   `enableMetricBrowser=true`

5. Reload the Management Agent Configuration using the command:

   `AGENT_HOME/bin/emctl reload agent`

6. After reloading the Management Agent, the Metric Browser will be enabled and therefore accessible using a browser.

Running the Metric Collection Outside the Management Agent

Running the metric collection outside the Management Agent is specific to each metric and requires a firsthand knowledge of each specific metric. Each metric has its own method of collecting its data and some metrics cannot be run standalone because they are calculated from other metrics.

An example of running the metric collection outside the Management Agent is the

command line.

2

Custom Oracle Concurrent Manager

A concurrent manager is a process manager that coordinates the processes generated by users' requests to run various data-intensive programs. An Oracle E-Business Suite product group can have several concurrent managers. This chapter provides information about the metrics defined for the Custom Oracle Concurrent Manager. These metrics are also applicable to Oracle-delivered Concurrent Managers.

For more information about concurrent managers, see your Oracle E-Business Suite user documentation.

This chapter covers the following topics:

- Active Processes
- Capacity Utilization of Concurrent Managers
- Concurrent Requests in Blocked State
- Concurrent Requests by Status
- No of Concurrent Requests in Blocked State
- No of Include and Exclude Specialization Rules
- Pending Requests (Normal)
- Pending Requests (Standby)
- Response
- Running Requests
- Tolerance Level for Long Running Request

Active Processes

This metric category provides information about the operating system (OS) processes associated with this concurrent manager on a node.

OS Process ID

This metric displays the OS Process ID associated with the concurrent request.

Target Version	Collection Frequency
All Versions	Every 1 Day

Process Status

This metric displays the status of the process.

Target Version	Collection Frequency	Default Warning Threshold	Default Critical Threshold	Alert Text
All Versions	Every 15 Minutes	0	Not Defined	%value% Active Processes

Session ID

This metric displays the session ID of the process.

Target Version	Collection Frequency
All Versions	Every 1 Day

Target Node

This metric displays the node where the concurrent program is running.

Target Version	Collection Frequency
All Versions	Every 1 Day

Capacity Utilization of Concurrent Managers

This metric category provides information about the capacity utilization of this

concurrent manager.

Manager Name

This metric displays the name of the concurrent manager.

Target Version	Collection Frequency
All Versions	Every 1 Day

Utilized Capacity

This metric compares the number of instances of concurrent managers running to the maximum number allowed instances and computes the capacity as a percentage of maximum allowed. This is calculated for a specific concurrent manager type. You can set an alert if the capacity utilization of concurrent managers drops below a specific threshold.

Target Version	Collection Frequency	Default Warning Threshold	Default Critical Threshold	Alert Text
All Versions	Every 1 Day	Not Defined	Not Defined	Utilized Capacity of manager %manager_name%: %value%%" MESSAGE_NLSID=" ebiz_capacity_utilization

Data Source

The number of instances per manager and the maximum number of allowed instances per manager is obtained from FND_CONCURRENT_QUEUES and the percentage is calculated.

Concurrent Requests in Blocked State

This metric category provides information about concurrent requests in a blocked state for this concurrent manager.

Blocking Action

This metric displays the blocking action for the requests in a blocked state for this concurrent manager.

Target Version	Collection Frequency
All Versions	Every 1 Hour

Blocking ID

This metric displays the blocking ID association with the request in a blocked state.

Target Version	Collection Frequency
All Versions	Every 1 Hour

Blocking Inst. ID

This metric displays the instance ID of the blocking concurrent program as available from the GV$LOCK view.

Target Version	Collection Frequency
All Versions	Every 1 Hour

Blocking Minutes

This metric displays the number of minutes that the request is in a blocked state.

Target Version	Collection Frequency	Default Warning Threshold	Default Critical Threshold	Alert Text
All Versions	Every 1 Hour	Not Defined	Not Defined	Concurrent Request % request_id% Blocked for % value% Minutes

Data Source

The number of instances per manager and the maximum number of allowed instances per manager is obtained from FND_CONCURRENT_QUEUES and the percentage is calculated.

Blocking Module

This metric displays the module to which the blocking concurrent program belongs.

Target Version	Collection Frequency
All Versions	Every 1 Hour

Concurrent Program Name

This metric displays the name of the concurrent program.

Target Version	Collection Frequency
All Versions	Every 1 Hour

Concurrent Request Inst. ID

This metric displays the ID associated with the concurrent request.

Target Version	Collection Frequency
All Versions	Every 1 Hour

Concurrent Request SID

This metric displays the database SID associated with this concurrent request.

Target Version	Collection Frequency
All Versions	Every 1 Hour

Request ID

This metric collects information on requests in a blocked state (such as row locks) for a specific concurrent manager.

You can set an alert to inform you if a request is in blocked state for more than a specific threshold.

Target Version	Collection Frequency
All Versions	Every 1 Hour

Data Source

Blocked requests are identified by joining FND_CONCURRENT_REQUESTS with gv$LOCK and gv$SESSION when the phase code of the request is 'R' for this concurrent manager.

User Action

Analyze the cause of the block and ensure that the issue is not widespread.

Concurrent Requests by Status

This metric category is used to collect information about concurrent requests by status for custom concurrent manager.

Concurrent Requests Inactive (On Hold)

This metric displays the number of inactive concurrent requests with a status of On Hold.

Target Version	Collection Frequency	Default Warning Threshold	Default Critical Threshold	Alert Text
All Versions	Every 15 Minutes	Not Defined	Not Defined	%value% Requests are On Hold

Concurrent Requests Pending (Normal)

This metric displays the number of pending concurrent requests with a status of

Normal.

Target Version	Collection Frequency	Default Warning Threshold	Default Critical Threshold	Alert Text
All Versions	Every 15 Minutes	Not Defined	Not Defined	%value% Requests are Pending Normal

Concurrent Requests Pending (Standby)

This metric displays the number of pending concurrent requests with a status of Standby.

Target Version	Collection Frequency	Default Warning Threshold	Default Critical Threshold	Alert Text
All Versions	Every 15 Minutes	Not Defined	Not Defined	%value% Requests are Pending Standby

Concurrent Requests Running

This metric displays the number of running concurrent requests.

Target Version	Collection Frequency
All Versions	Every 15 Minutes

Concurrent Requests Scheduled

This metric displays the number of scheduled concurrent requests.

Target Version	Collection Frequency	Default Warning Threshold	Default Critical Threshold	Alert Text
All Versions	Every 15 Minutes	Not Defined	Not Defined	%value% Requests are Scheduled

No of Concurrent Requests in Blocked State

This metric category provides the number of requests being processed by this manager, that are in a blocked state due to database locks.

Concurrent Program Name

This metric displays the name of the concurrent program.

Target Version	Collection Frequency
All Versions	Every 60 Minutes

No of Concurrent Requests in Blocked State

This metric displays the number of requests that are in a blocked state because of database locks.

Target Version	Collection Frequency	Default Warning Threshold	Default Critical Threshold	Alert Text
All Versions	Every 60 Minutes	Not Defined	Not Defined	%value% Concurrent Request are in Blocked State

No of Include and Exclude Specialization Rules

This metric category provides information about the number of specialization rules for a concurrent manager. You can set thresholds to generate alerts if the number of rules exceeds a specific limit.

Application ID

This metric displays the application ID associated with the current application.

Target Version	Collection Frequency
All Versions	Every 1 Day

Concurrent Queue Name

This metric displays the name of the concurrent queue.

Target Version	Collection Frequency
All Versions	Every 1 Day

Manager

This metric displays the manager that is defined to read the request.

Target Version	Collection Frequency
All Versions	Every 1 Day

Total Exclude Rules

This metric displays the total number of Exclude specialization rules.

Target Version	Collection Frequency	Default Warning Threshold	Default Critical Threshold	Alert Text
All Versions	Every 1 Day	Not Defined	Not Defined	%value% Exclude Specialization Rules

Total Include Rules

This metric displays the total number of Include specialization rules.

Target Version	Collection Frequency	Default Warning Threshold	Default Critical Threshold	Alert Text
All Versions	Every 1 Day	Not Defined	Not Defined	%value% Include Specialization Rules

Pending Requests (Normal)

This metric category provides information about the requests with this Concurrent Manager that are in a Pending phase, with a status of Normal.

Concurrent Program Name

This metric displays the name of the concurrent program associated with the pending request.

Target Version	Collection Frequency
All Versions	Every 1 Hour

Concurrent Program Short Name

This metric displays the name of the concurrent program associated with the pending request.

Target Version	Collection Frequency
All Versions	Every 1 Hour

Normal Pending Time

This metric displays the length of time that the request is pending.

Target Version	Collection Frequency	Default Warning Threshold	Default Critical Threshold	Alert Text
All Versions	Every 1 Hour	Not Defined	Not Defined	Request % request_id% Pending in Normal Status for %value% Minutes

Phase

This metric displays the request phase of the pending request.

Target Version	Collection Frequency
All Versions	Every 1 Hour

Request ID

This metric displays the ID associated with the pending request.

Target Version	Collection Frequency
All Versions	Every 1 Hour

Request Start Date

This metric displays the start date of the pending request.

Target Version	Collection Frequency
All Versions	Every 1 Hour

Status

This metric displays the status of the pending request.

Target Version	Collection Frequency
All Versions	Every 1 Hour

Username

This metric displays the user name associated with the pending request.

Target Version	Collection Frequency
All Versions	Every 1 Hour

Pending Requests (Standby)

This metric category provides information about the requests with this Concurrent Manager, that are in Pending phase with a status of Standby.

Concurrent Program Name

This metric displays the name of the concurrent program associated with the pending request with a status of Standby.

Target Version	Collection Frequency
All Versions	Every 1 Hour

Concurrent Program Short Name

This metric displays the short name of the concurrent program associated with the pending request with a status of Standby.

Target Version	Collection Frequency
All Versions	Every 1 Hour

Phase

This metric displays the request phase of the pending request with a status of Standby.

Target Version	Collection Frequency
All Versions	Every 1 Hour

Request ID

This metric displays the ID associated with the pending request with a status of Standby.

Target Version	Collection Frequency
All Versions	Every 1 Hour

Request Start Date

This metric displays the start date of the pending request with a status of Standby.

Target Version	Collection Frequency
All Versions	Every 1 Hour

Standby Pending Time

This metric displays the length of time that the request is pending, with a status of Standby.

Target Version	Collection Frequency	Default Warning Threshold	Default Critical Threshold	Alert Text
All Versions	Every 1 Hour	Not Defined	Not Defined	Request % request_id% Pending in Standby Status for %value% Minutes

Status

This metric displays the status of the pending request with a status of Standby.

Target Version	Collection Frequency
All Versions	Every 1 Hour

Username

This metric displays the user name associated with the pending request with a status of Standby.

Target Version	Collection Frequency
All Versions	Every 1 Hour

Response

This metric category provides information about the status of the Custom Oracle Concurrent Manager target.

Status

This metric specifies whether the Concurrent Manager is up and running.

Target Version	Collection Frequency	Default Warning Threshold	Default Critical Threshold	Alert Text
All Versions	Every 15 Minutes	Not Defined	Not Defined	Database is down

User Action

Check if the Concurrent Manager is up.

Running Requests

This metric category provides information about the requests that are being run by this concurrent manager.

Concurrent Program Name

This metric displays the name of the concurrent program associated with the running request.

Target Version	Collection Frequency
All Versions	Every 1 Day

User Action

Check if the Concurrent Manager is up.

Concurrent Program Short Name

This metric displays the short name of the concurrent program associated with the running request.

Target Version	Collection Frequency
All Versions	Every 1 Day

Phase

This metric displays the phase of the running request.

Target Version	Collection Frequency
All Versions	Every 1 Day

Request ID

This metric displays the ID associated with the running request.

Target Version	Collection Frequency
All Versions	Every 1 Day

Request Start Date

This metric displays the start date of the running request.

Target Version	Collection Frequency
All Versions	Every 1 Day

Running Time

This metric displays the length of time that the concurrent request is running.

Target Version	Collection Frequency	Default Warning Threshold	Default Critical Threshold	Alert Text
All Versions	Every 15 Minutes	Not Defined	Not Defined	Request % request_id% Running for % value% Minutes

Status

This metric displays the status of the running request.

Target Version	Collection Frequency
All Versions	Every 1 Day

Username

This metric displays the user name associated with the running request.

Target Version	Collection Frequency
All Versions	Every 1 Day

Tolerance Level for Long Running Request

This metric category provides information about tolerance levels for long-running requests. Tolerance level is calculated as a percentage of the running time to that of the average running time of all requests processed by this manager. This allows you to set an alert if the running time of a request exceeds a certain percentage of the average run time.

Concurrent Manager

This metric displays the name of the concurrent manager associated with the long-running request.

Target Version	Collection Frequency
All Versions	Every 60 Minutes

Concurrent Program Name

This metric displays the name of the concurrent program associated with the long-running request.

Target Version	Collection Frequency
All Versions	Every 60 Minutes

Concurrent Program Short Name

This metric displays the short name of the concurrent program associated with the long-running request.

Target Version	Collection Frequency
All Versions	Every 60 Minutes

Phase

This metric displays the request phase of the long-running request.

Target Version	Collection Frequency
All Versions	Every 60 Minutes

Request ID

This metric displays the ID associated with the long-running request.

Target Version	Collection Frequency
All Versions	Every 60 Minutes

Request Start Date

This metric displays the start date of the long-running request.

Target Version	Collection Frequency
All Versions	Every 60 Minutes

Running Time

This metric displays the length of time that the request is running.

Target Version	Collection Frequency
All Versions	Every 60 Minutes

Status

This metric displays the status of the long-running request.

Target Version	Collection Frequency
All Versions	Every 60 Minutes

Tolerance on Average Execution Time (%)

This metric displays the status of the long-running request.

Target Version	Collection Frequency	Default Warning Threshold	Default Critical Threshold	Alert Text
All Versions	Every 60 Minutes	Not Defined	Not Defined	Request % request_id% is Running % value%% Longer Than The Average Execution Time

Username

This metric displays the user name associated with the long-running request.

Target Version	Collection Frequency
All Versions	Every 60 Minutes

3

Custom Oracle Concurrent Program

This chapter provides information about the metrics defined for the Custom Oracle Concurrent Program target. These metrics are also applicable for Oracle-delivered concurrent programs.

For information about concurrent programs, see your Oracle E-Business Suite user documentation.

This chapter covers the following topics:

- Basic Information
- Concurrent Requests in Blocked State
- Monitor Schedule for Requests
- No. of Incomplete Requests by Status
- No. of Hourly Completed Requests by Status
- No. of Concurrent Requests in Blocked State
- Pending Requests (Standby)
- Pending Requests (Normal)
- Requests Completed with Error
- Requests Completed Successfully
- Requests Completed with Warning
- Response
- Running Requests
- Tolerance Level for Long Running Request
- Unscheduled Requests

Basic Information

This metric category provides basic information about specific concurrent programs.

Average Run Time

This metric displays the average run time for a task.

Target Version	Collection Frequency
All Versions	Every 1 Day

Maximum Run Time

This metric displays the maximum run time for a task.

Target Version	Collection Frequency
All Versions	Every 1 Day

Minimum Run Time

This metric displays the minimum run time for a task.

Target Version	Collection Frequency
All Versions	Every 1 Day

Requests Completed Successfully

This metric displays the number of successful requests completed to run tasks.

Target Version	Collection Frequency
All Versions	Every 1 Day

Requests Completed with Errors

This metric displays the number of requests with errors completed to run tasks.

Target Version	Collection Frequency	Default Warning Threshold	Default Critical Threshold	Alert Text
All Versions	Every 15 Minutes	Not Defined	Not Defined	%value% Requests Completed with Errors

Requests Completed with Warnings

This metric displays the number of requests completed with warnings to run tasks.

Target Version	Collection Frequency	Default Warning Threshold	Default Critical Threshold	Alert Text
All Versions	Every 1 Day	Not Defined	Not Defined	%value% Requests Completed with Warnings

Concurrent Requests in Blocked State

This metric category provides information about the requests of this program that are in a blocked state due to database locks.

Blocking Action

This metric displays the blocking action for the requests in a blocked state for this concurrent program.

Target Version	Collection Frequency
All Versions	Every 60 Minutes

Blocking ID

This metric displays the blocking ID associated with the request in a blocked state.

Target Version	Collection Frequency
All Versions	Every 60 Minutes

Blocking Inst. ID

This metric displays the instance ID of the blocking concurrent program as available from the GV$LOCK view.

Target Version	Collection Frequency
All Versions	Every 60 Minutes

Blocking Minutes

This metric displays the number of minutes that the request is in a blocked state.

Target Version	Collection Frequency	Default Warning Threshold	Default Critical Threshold	Alert Text
All Versions	Every 60 Minutes	Not Defined	Not Defined	Concurrent Request % request_id% Blocked for % value% Minutes

Blocking Module

This metric displays the module to which the blocking concurrent program belongs.

Target Version	Collection Frequency
All Versions	Every 60 Minutes

Concurrent Program Name

This metric displays the name of the concurrent program.

Target Version	Collection Frequency
All Versions	Every 60 Minutes

Concurrent Request Inst. ID

This metric displays the ID associated with the concurrent request.

Target Version	Collection Frequency
All Versions	Every 60 Minutes

Concurrent Request SID

This metric displays the database SID associated with this concurrent request.

Target Version	Collection Frequency
All Versions	Every 60 Minutes

Request ID

This metric collects information on requests in a blocked state (such as row locks) for a specific concurrent manager.

Target Version	Collection Frequency
All Versions	Every 60 Minutes

Monitor Schedule for Requests

This metric category collects the monitoring schedule of a specific concurrent program. You can set an alert if the concurrent program is not scheduled as per the recommend

duration.

Data Source

The schedule for a concurrent program is available from the FND_CONCURRENT_REQUESTS table.

Concurrent Program Name

This metric displays the name of this concurrent program.

Target Version	Collection Frequency
All Versions	Every Day

Concurrent Program Short Name

This metric displays the short name of this concurrent program.

Target Version	Collection Frequency
All Versions	Every Day

Request ID

This metric displays the request ID.

Target Version	Collection Frequency
All Versions	Every Day

Resubmit Interval Days

This metric displays the interval in days between resubmissions.

Target Version	Collection Frequency	Default Warning Threshold	Default Critical Threshold	Alert Text
All Versions	Every Day	Not Defined	Not Defined	Scheduled time for the request %request_id% should be less than equal to %critical_threshold% Days

Resubmit Interval Hours

This metric displays the interval in hours between resubmissions.

Target Version	Collection Frequency	Default Warning Threshold	Default Critical Threshold	Alert Text
All Versions	Every Day	Not Defined	Not Defined	Scheduled time for the request %request_id% should be less than equal to %critical_threshold% Hours

Resubmit Interval Minutes

This metric displays the interval in minutes between resubmissions.

Target Version	Collection Frequency	Default Warning Threshold	Default Critical Threshold	Alert Text
All Versions	Every Day	Not Defined	Not Defined	Scheduled time for the request %request_id% should be less than equal to %critical_threshold% Minutes

Resubmit Interval Months

This metric displays the interval in months between resubmissions.

Target Version	Collection Frequency	Default Warning Threshold	Default Critical Threshold	Alert Text
All Versions	Every Day	Not Defined	Not Defined	Scheduled time for the request %request_id% should be less than equal to %critical_threshold% Months

Resubmit Interval Unit Code

This metric displays the unit code of the resubmission interval.

Target Version	Collection Frequency
All Versions	Every Day

No. of Incomplete Requests by Status

This metric category provides information about the number of requests of this program, which are in various stages of progress grouped by status.

Concurrent Requests Inactive (No Manager)

This metric displays the number of incomplete inactive concurrent requests with a status of No Manager.

Target Version	Collection Frequency	Default Warning Threshold	Default Critical Threshold	Alert Text
All Versions	Every 15 Minutes	Not Defined	Not Defined	%value% Concurrent Requests are Inactive (No Manager)

Concurrent Requests Inactive (On Hold)

This metric displays the number of incomplete inactive concurrent requests with a status of On Hold.

Target Version	Collection Frequency	Default Warning Threshold	Default Critical Threshold	Alert Text
All Versions	Every 15 Minutes	Not Defined	Not Defined	%value% Concurrent Requests are on hold

Concurrent Requests Pending (Normal)

This metric displays the number of incomplete pending concurrent requests with a status of Normal.

Target Version	Collection Frequency	Default Warning Threshold	Default Critical Threshold	Alert Text
All Versions	Every 15 Minutes	Not Defined	Not Defined	%value% Concurrent Requests are Pending (Normal)

Concurrent Requests Pending (Standby)

This metric displays the number of incomplete pending concurrent requests with a status of Standby.

Target Version	Collection Frequency	Default Warning Threshold	Default Critical Threshold	Alert Text
All Versions	Every 15 Minutes	Not Defined	Not Defined	%value% Concurrent Requests are Pending (Standby)

Concurrent Requests Running

This metric displays the number of running concurrent requests.

Target Version	Collection Frequency
All Versions	Every 15 Minutes

Concurrent Requests Scheduled

This metric displays the number of scheduled concurrent requests.

Target Version	Collection Frequency
All Versions	Every 15 Minutes

No. of Hourly Completed Requests by Status

This metric category provides information about the number of requests of this program completed in the last one hour grouped by status.

Concurrent Requests Completed Successfully

This metric displays the number of concurrent requests completed successfully.

Target Version	Collection Frequency
All Versions	Every 60 Minutes

Concurrent Requests Completed with Error

This metric displays the number of concurrent requests completed with errors.

Target Version	Collection Frequency	Default Warning Threshold	Default Critical Threshold	Alert Text
All Versions	Every 60 Minutes	Not Defined	Not Defined	%value% concurrent requests completed with error

Concurrent Requests Completed with Warning

This metric displays the number of concurrent requests completed with warnings.

Target Version	Collection Frequency	Default Warning Threshold	Default Critical Threshold	Alert Text
All Versions	Every 60 Minutes	Not Defined	Not Defined	%value% concurrent requests completed with warning

Concurrent Requests Error Rate (%)

This metric displays the percentage of completed concurrent requests with errors.

Target Version	Collection Frequency	Default Warning Threshold	Default Critical Threshold	Alert Text
All Versions	Every 60 Minutes	Not Defined	Not Defined	Concurrent Requests completion with error rate is %value%%

Concurrent Requests Successful Requests Rate (%)

This metric displays the percentage of successfully completed concurrent requests.

Target Version	Collection Frequency	Default Warning Threshold	Default Critical Threshold	Alert Text
All Versions	Every 60 Minutes	Not Defined	Not Defined	%value% Concurrent Requests are Pending (Standby)

Concurrent Requests Warning Rate (%)

This metric displays the percentage of completed concurrent requests with warnings.

Target Version	Collection Frequency	Default Warning Threshold	Default Critical Threshold	Alert Text
All Versions	Every 60 Minutes	Not Defined	Not Defined	Concurrent Requests completion with warning rate is %value%%

No. of Concurrent Requests in Blocked State

This metric category provides information about the number of requests of this program which are in a blocked state due to database locks.

Concurrent Program Name

This metric displays the name of the concurrent program.

Target Version	Collection Frequency
All Versions	Every 60 Minutes

Total Blocked Requests

This metric displays the total number of concurrent requests that are in a blocked state due to database locks.

Target Version	Collection Frequency	Default Warning Threshold	Default Critical Threshold	Alert Text
All Versions	Every 60 Minutes	Not Defined	Not Defined	%value% Requests in Blocked State

Pending Requests (Standby)

This metric category provides information about requests of this program that are in Pending phase with a status of Standby.

Concurrent Manager

This metric displays the name of the concurrent manager associated with the pending request with a status of Standby.

Target Version	Collection Frequency
All Versions	Every 60 Minutes

Concurrent Program Name

This metric displays the name of the concurrent program associated with the pending request with a status of Standby.

Target Version	Collection Frequency
All Versions	Every 60 Minutes

Concurrent Program Short Name

This metric displays the short name of the concurrent program associated with the pending request with a status of Standby.

Target Version	Collection Frequency
All Versions	Every 60 Minutes

Phase

This metric displays the request phase of the pending request with a status of Standby.

Target Version	Collection Frequency
All Versions	Every 60 Minutes

Request ID

This metric displays the ID associated with the pending request with a status of Standby.

Target Version	Collection Frequency
All Versions	Every 60 Minutes

Request Start Date

This metric displays the start date of the pending request with a status of Standby.

Target Version	Collection Frequency
All Versions	Every 60 Minutes

Standby Pending Time

This metric displays the length of time that the request is pending, with a status of Standby.

Target Version	Collection Frequency	Default Warning Threshold	Default Critical Threshold	Alert Text
All Versions	Every 60 Minutes	Not Defined	Not Defined	Request %request_id% Pending in Standby Status for %value% Minutes

Status

This metric displays the status of the pending request with a status of Standby.

Target Version	Collection Frequency
All Versions	Every 60 Minutes

Username

This metric displays the user name associated with the pending request with a status of Standby.

Target Version	Collection Frequency
All Versions	Every 60 Minutes

Pending Requests (Normal)

This metric category provides information about the requests of this program that are in a pending phase with status of Normal.

Concurrent Manager

This metric displays the name of the concurrent manager associated with the pending request with a status of Normal.

Target Version	Collection Frequency
All Versions	Every 60 Minutes

Concurrent Program Name

This metric displays the name of the concurrent program associated with the pending request.

Target Version	Collection Frequency
All Versions	Every 60 Minutes

Concurrent Program Short Name

This metric displays the name of the concurrent program associated with the pending request.

Target Version	Collection Frequency
All Versions	Every 60 Minutes

Normal Pending Time

This metric displays the length of time that the request is pending.

Target Version	Collection Frequency	Default Warning Threshold	Default Critical Threshold	Alert Text
All Versions	Every 60 Minutes	Not Defined	Not Defined	Request % request_id% Pending in Normal Status for %value% Minutes

Phase

This metric displays the request phase of the pending request.

Target Version	Collection Frequency
All Versions	Every 60 Minutes

Request ID

This metric displays the ID associated with the pending request.

Target Version	Collection Frequency
All Versions	Every 60 Minutes

Request Start Date

This metric displays the start date of the pending request.

Target Version	Collection Frequency
All Versions	Every 60 Minutes

Status

This metric displays the status of the pending request.

Target Version	Collection Frequency
All Versions	Every 60 Minutes

Username

This metric displays the user name associated with the pending request.

Target Version	Collection Frequency
All Versions	Every 60 Minutes

Requests Completed with Error

This metric category provides information about the concurrent requests that completed with errors.

Concurrent Program Name

This metric displays the name of the concurrent program associated with the completed request.

Target Version	Collection Frequency	Default Warning Threshold	Default Critical Threshold	Alert Text
All Versions	Every 1 Hour	Not Defined	Not Defined	Request % request_id% Completed with Error for program % value%

Concurrent Program Short Name

This metric displays the short name of the concurrent program associated with the completed request.

Target Version	Collection Frequency
All Versions	Every 1 Hour

Execution Time

This metric displays the length of time it took to complete the concurrent request.

Target Version	Collection Frequency
All Versions	Every 1 Hour

Phase

This metric displays the phase of the completed request.

Target Version	Collection Frequency
All Versions	Every 1 Hour

Request ID

This metric displays the ID associated with the completed request.

Target Version	Collection Frequency
All Versions	Every 1 Hour

Request Start Date

This metric displays the start date of the completed request.

Target Version	Collection Frequency
All Versions	Every 1 Hour

Status

This metric displays the status of the completed request.

Target Version	Collection Frequency	Default Warning Threshold	Default Critical Threshold	Alert Text
All Versions	Every 1 Hour	Not Defined	Not Defined	Request % request_id% Completed with Error for program % program_name%

Username

This metric displays the user name associated with the completed request.

Target Version	Collection Frequency
All Versions	Every 1 Hour

Requests Completed Successfully

This metric category provides information about the requests completed successfully in the last five minutes. This metric category is disabled by default to avoid performance issues.

Concurrent Program Name

This metric displays the name of the concurrent program associated with the request.

Target Version	Collection Frequency
All Versions	Every 5 Minutes

Concurrent Program Short Name

This metric displays the name of the concurrent program associated with the request.

Target Version	Collection Frequency
All Versions	Every 5 Minutes

Execution Time

This metric displays the length of time it took to complete the request.

Target Version	Collection Frequency
All Versions	Every 5 Minutes

Phase

This metric displays the phase of the request.

Target Version	Collection Frequency
All Versions	Every 5 Minutes

Request End Date

This metric displays the end date of the request.

Target Version	Collection Frequency
All Versions	Every 5 Minutes

Request ID

This metric displays the ID associated with the request.

Target Version	Collection Frequency
All Versions	Every 5 Minutes

Request Start Date

This metric displays the status of the running request.

Target Version	Collection Frequency
All Versions	Every 5 Minutes

Status

This metric displays the status of the request.

Target Version	Collection Frequency
All Versions	Every 5 Minutes

Username

This metric displays the user name associated with the request.

Target Version	Collection Frequency
All Versions	Every 5 Minutes

Requests Completed with Warning

This metric category provides information about the concurrent requests that completed with warnings.

Concurrent Program Name

This metric displays the name of the concurrent program associated with the completed request.

Target Version	Collection Frequency	Default Warning Threshold	Default Critical Threshold	Alert Text
All Versions	Every 1 Hour	Not Defined	Not Defined	Request % request_id% Completed with Warning for program % value%

Concurrent Program Short Name

This metric displays the short name of the concurrent program associated with the completed request.

Target Version	Collection Frequency
All Versions	Every 1 Hour

Execution Time

This metric displays the length of time it took to complete the concurrent request.

Target Version	Collection Frequency
All Versions	Every 1 Hour

Phase

This metric displays the phase of the completed request.

Target Version	Collection Frequency
All Versions	Every 1 Hour

Request ID

This metric displays the ID associated with the completed request.

Target Version	Collection Frequency
All Versions	Every 1 Hour

Request Start Date

This metric displays the start date of the completed request.

Target Version	Collection Frequency
All Versions	Every 1 Hour

Status

This metric displays the status of the completed request.

Target Version	Collection Frequency	Default Warning Threshold	Default Critical Threshold	Alert Text
All Versions	Every 1 Hour	Not Defined	Not Defined	Request % request_id% Completed with Warning for program % program_name%

Username

This metric displays the user name associated with the completed request.

Target Version	Collection Frequency
All Versions	Every 1 Hour

Response

This metric category provides information about the status of the Custom Oracle

Concurrent Program target.

Status

This metric specifies whether the target is up and running.

Target Version	Collection Frequency	Default Warning Threshold	Default Critical Threshold	Alert Text
All Versions	Every 15 Minutes	Not Defined	0	Database is down

Running Requests

This metric category provides information about the requests that are being run.

Concurrent Manager

This metric displays the name of the concurrent manager associated with the running request.

Target Version	Collection Frequency
All Versions	Every 60 Minutes

Concurrent Program Name

This metric displays the name of the concurrent program associated with the running request.

Target Version	Collection Frequency
All Versions	Every 60 Minutes

Concurrent Program Short Name

This metric displays the short name of the concurrent program associated with the running request.

Target Version	Collection Frequency
All Versions	Every 60 Minutes

Phase

This metric displays the phase of the running request.

Target Version	Collection Frequency
All Versions	Every 60 Minutes

Request ID

This metric displays the ID associated with the running request.

Target Version	Collection Frequency
All Versions	Every 60 Minutes

Request Start Date

This metric displays the start date of the running request.

Target Version	Collection Frequency
All Versions	Every 60 Minutes

Running Time

This metric displays the name of the concurrent manager associated with the running request.

Target Version	Collection Frequency	Default Warning Threshold	Default Critical Threshold	Alert Text
All Versions	Every 60 Minutes	Not Defined	Not Defined	Request % request_id% Running for % value% Minutes

Status

This metric displays the status of the running request.

Target Version	Collection Frequency
All Versions	Every 60 Minutes

Username

This metric displays the user name associated with the running request.

Target Version	Collection Frequency
All Versions	Every 60 Minutes

Tolerance Level for Long Running Request

This metric category provides information about tolerance levels for long-running requests. Tolerance level is calculated as a percentage of the running time to that of the average running time of all requests processed by this manager. This allows you to set an alert if the running time of a request exceeds a certain percentage of the average run time.

Concurrent Manager

This metric displays the name of the concurrent manager associated with the long-running request.

Target Version	Collection Frequency
All Versions	Every 60 Minutes

Concurrent Program Name

This metric displays the name of the concurrent program associated with the long-running request.

Target Version	Collection Frequency
All Versions	Every 60 Minutes

Concurrent Program Short Name

This metric displays the short name of the concurrent program associated with the long-running request.

Target Version	Collection Frequency
All Versions	Every 60 Minutes

Phase

This metric displays the request phase of the long-running request.

Target Version	Collection Frequency
All Versions	Every 60 Minutes

Request ID

This metric displays the ID associated with the long-running request.

Target Version	Collection Frequency
All Versions	Every 60 Minutes

Request Start Date

This metric displays the start date of the long-running request.

Target Version	Collection Frequency
All Versions	Every 60 Minutes

Running Time

This metric displays the length of time that the request is running.

Target Version	Collection Frequency
All Versions	Every 60 Minutes

Status

This metric displays the status of the long-running request.

Target Version	Collection Frequency
All Versions	Every 60 Minutes

Tolerance on Average Execution Time (%)

This metric displays the percentage of the running time to that of the average running time.

Target Version	Collection Frequency	Default Warning Threshold	Default Critical Threshold	Alert Text
All Versions	Every 60 Minutes	Not Defined	Not Defined	Request % request_id% is Running % value%% Longer Than The Average Execution Time

Username

This metric displays the user name associated with the long-running request.

Target Version	Collection Frequency
All Versions	Every 60 Minutes

Unscheduled Requests

This metric category provides information about unscheduled requests.

Concurrent Program Name

This metric displays the name of the concurrent program associated with the unscheduled request.

Target Version	Collection Frequency
All Versions	Every Day

Concurrent Program Short Name

This metric displays the short name of the concurrent program associated with the unscheduled request.

Target Version	Collection Frequency
All Versions	Every Day

Repeating Schedule Request

This metric checks if a concurrent program is scheduled or not. If you set the threshold as 0, then this means that the concurrent program is not scheduled and Enterprise Manager raises an alert.

Target Version	Collection Frequency	Default Warning Threshold	Default Critical Threshold	Alert Text
All Versions	Every Day	Not Defined	Not Defined	The concurrent program % program_display _name% is not scheduled.

Datasource

The FND_CONCURRENT_REQUESTS table contains an entry if a concurrent program is scheduled.

User Action

Schedule the program.

4

Forms Listener for Oracle E-Business Suite

This chapter describes the metrics defined for the Forms Listener for Oracle E-Business Suite.

For more information about the Forms Listener, see your Oracle E-Business Suite user documentation.

This chapter covers the following topics:

- Forms Middle-Tier Processes
- Load
- Response

Forms Middle-Tier Processes

This metric category provides information about forms sessions and the amount of resources consumed.

CPU Utilization by Forms Mid-tier Processes (%)

This metric displays the percentage of CPU used by the Forms mid-tier processes.

Target Version	Collection Frequency	Default Warning Threshold	Default Critical Threshold	Alert Text
All Versions	Every 10 Minutes	80	95	CPU Utilization for Process ID %keyValue% is %value%%%

User Action

Identify the processes that are consuming the most CPU and take appropriate action.

IP Address

This metric displays the IP address.

Target Version	Collection Frequency
All Versions	Every 10 Minutes

Memory Utilization by Forms Mid-tier Processes (%)

This metric displays the minimum run time for a task.

Target Version	Collection Frequency	Default Warning Threshold	Default Critical Threshold	Alert Text
All Versions	Every 10 Minutes	80	95	Memory Utilization for Process ID % keyValue% is % value%%%

User Action

Identify the processes that are consuming the most memory and take appropriate action.

Process ID

This metric displays the process ID associated with the Forms mid-tier process.

Target Version	Collection Frequency
All Versions	Every 10 Minutes

User Name

This metric displays the user name associated with the Forms mid-tier processes.

Target Version	Collection Frequency
All Versions	Every 10 Minutes

Load

This metric category provides information about the present load generated by the Forms processes.

Number of Forms Processes

This metric displays the number of Forms processes.

Target Version	Collection Frequency
All Versions	Every 5 Minutes

Total CPU Utilization (%)

This metric displays the total percentage of CPU used by the Forms processes.

Target Version	Collection Frequency	Default Warning Threshold	Default Critical Threshold	Alert Text
All Versions	Every 5 Minutes	80	95	CPU Utilization is %value%%%

User Action

Identify the processes that are consuming the most CPU and take appropriate action.

Total Memory Utilization (%)

This metric displays the total percentage of memory used by the Forms processes.

Target Version	Collection Frequency	Default Warning Threshold	Default Critical Threshold	Alert Text
All Versions	Every 5 Minutes	80	95	Memory Utilization is % value%%%

User Action

Identify the processes that are consuming the most memory and take appropriate action.

Response

This metric category checks the status of the target.

Status

This metric checks if the Forms service is up and running on the Oracle E-Business Suite side.

Target Version	Collection Frequency	Default Warning Threshold	Default Critical Threshold	Alert Text
All Versions	Every 5 Minutes	Not Defined	0	Forms Server is down (Status=% value%)

User Action

If the target is down, then check the log file to locate the reason.

5

Oracle Applications JVM Usage

The Oracle Applications JVM Usage target monitors the Oracle Applications Java Virtual Machines (JVMs).

This chapter covers the following topics:

- Application Modules Count
- Cached Objects
- Locked/Leaked AOL/J Connections
- OC4J JVM Instance Metrics
- Response

Application Modules Count

This metric category indicates the number of active Oracle Application Framework pages that are currently being accessed by users.

Application Module Pools

This metric displays the number of Application Module pool instances.

Target Version	Collection Frequency
All Versions	Every 60 Seconds

Total Application Modules

This metric displays the total number of application modules.

Target Version	Collection Frequency
All Versions	Every 60 Seconds

Total Locked Application Modules

This metric displays the total number of locked application modules.

Target Version	Collection Frequency	Default Warning Threshold	Default Critical Threshold
All Versions	Every 60 Seconds	Not Defined	Not Defined

User Action

Administrators can review the profile options related to the Application Module Pool and check whether they are set at optimal levels.

Cached Objects

This metric category provides information about the present load generated by the Forms processes.

Total Cached Components

This metric displays the registered cache components in the system.

Target Version	Collection Frequency	Default Warning Threshold	Default Critical Threshold
All Versions	Every 60 Seconds	Not Defined	Not Defined

User Action

Clear cache using Functional Administrator Responsibility. For more information, see your *Oracle E-Business Suite System Administrator's Guide*.

Total Objects

This metric displays the total number of objects contained in the component cache.

Target Version	Collection Frequency
All Versions	Every 60 Seconds

User Action

Identify the processes that are consuming the most CPU and take appropriate action.

Locked/Leaked AOL/J Connections

This metric category lists the number of locked and leaked Java Database Connectivity (JDBC) connections.

Leaked AOL/J Connections

This metric displays the number of leaked JDBC connections utilized by applications.

Target Version	Collection Frequency	Default Warning Threshold	Default Critical Threshold
All Versions	Every 5 Minutes	Not Defined	Not Defined

User Action

Enable connection leak diagnostics.

Locked AOL/J Connections

This metric displays the number of locked JDBC connections utilized by applications.

Target Version	Collection Frequency
All Versions	Every 60 Seconds

User Action

Review the AOLJ connection pool size and increase if necessary.

OC4J JVM Instance Metrics

This metric category provides information about the Oracle Containers for J2EE (OC4J) JVM instance.

OC4J JVM - Active Threads

This metric displays the number of threads currently executing in the JVM.

Target Version	Collection Frequency
All Versions	Every 5 Minutes

User Action

No generic action.

OC4J JVM - CPU Usage (%)

This metric displays the percentage of CPU currently being used by the OC4J JVM instance.

Target Version	Collection Frequency
All Versions	Every 5 Minutes

OC4J JVM - Memory Usage (MB)

This metric displays the amount of memory currently being used by the OC4J JVM instance.

Target Version	Collection Frequency
All Versions	Every 5 Minutes

OC4J JVM Instance - Aborted Transactions

This metric displays the number of transactions that were terminated for this OC4J JVM instance.

Target Version	Collection Frequency
All Versions	Every 5 Minutes

OC4J JVM Instance - Active EJB Methods

This metric displays the number of Enterprise Java Beans (EJB) methods that are currently being executed by the OC4J JVM instance.

Target Version	Collection Frequency
All Versions	Every 5 Minutes

OC4J JVM Instance - Active Requests

This metric displays the number of servlets and JavaServer Pages (JSPs) currently being executed by the OC4J JVM instance.

Target Version	Collection Frequency
All Versions	Every 5 Minutes

OC4J JVM Instance - Active Sessions

This metric displays the number of active HTTP sessions used by the OC4J JVM instance.

Target Version	Collection Frequency
All Versions	Every 5 Minutes

OC4J JVM Instance - Active Transactions

This metric displays the number of transactions that are currently open for this OC4J JVM instance.

Target Version	Collection Frequency
All Versions	Every 5 Minutes

OC4J JVM Instance - Committed Transactions

This metric displays the number of transactions that are committed for this OC4J JVM instance.

Target Version	Collection Frequency
All Versions	Every 5 Minutes

OC4J JVM Instance - EJB Method Execution Rate (per second)

This metric displays the rate at which the EJB methods are currently being executed by this OC4J JVM instance during the last collection interval.

Target Version	Collection Frequency
All Versions	Every 5 Minutes

OC4J JVM Instance - EJB Method Execution Time (seconds)

This metric displays the time consumed to execute EJB methods for this OC4J JVM instance during the last collection interval.

Target Version	Collection Frequency
All Versions	Every 5 Minutes

OC4J JVM Instance - Heap Usage (MB)

This metric displays the amount of heap space used by the OC4J JVM instance.

Target Version	Collection Frequency
All Versions	Every 5 Minutes

OC4J JVM Instance - Open JDBC Connections

This metric displays the number of JDBC open by applications that are part of this OC4J JVM instance.

Target Version	Collection Frequency
All Versions	Every 5 Minutes

OC4J JVM Instance - Request Processing Time (seconds)

This metric displays the average time consumed to execute servlets and JSPs for this OC4J JVM instance during the last collection interval.

Target Version	Collection Frequency
All Versions	Every 5 Minutes

OC4J JVM Instance - Requests Per Second

This metric displays the rate at which servlets and JSPs are being invoked for this OC4J JVM instance during the last collection interval.

Target Version	Collection Frequency
All Versions	Every 5 Minutes

OC4J JVM Instance - Start Time (ms since Epoch)

This metric displays the time when the OC4J JVM instance was started. It is represented in milliseconds since the UNIX epoch (that is, January 1, 1970).

Target Version	Collection Frequency
All Versions	Every 5 Minutes

OC4J JVM Instance - Total JDBC Connections

This metric displays the total number of JDBC connections that are part of this OC4J JVM instance.

Target Version	Collection Frequency
All Versions	Every 5 Minutes

Response

This metric category provides information about the status of the Oracle Applications JVM Usage target.

Status

This metric checks if the target is up and running.

Target Version	Collection Frequency	Default Warning Threshold	Default Critical Threshold	Alert Text
All Versions	Every 5 Minutes	Not Defined	0	Oracle Applications JVM Usage is down

User Action

If the target is down, then check the log files and take appropriate action if it is down unexpectedly.

6

Oracle Concurrent Processing

An Oracle concurrent manager is a process manager that coordinates the processes generated by users' requests to run various data-intensive programs. An Oracle E-Business Suite product group can have several concurrent managers.

For more information about Oracle concurrent processing, see your Oracle E-Business Suite documentation.

This chapter covers the following topics:

- Active Concurrent Requests by Application
- Activity
- Capacity Utilization of Concurrent Managers
- Concurrent Requests in Blocked State
- No. of Hourly Completed Requests by Status
- No of Incomplete Requests by Status
- Pending Requests (Standby)
- Pending Requests (Normal)
- Running Requests
- No of Concurrent Requests in Blocked State
- Tolerance Level For Long Running Request
- Running Request Sets
- Failed Request Sets
- Not Started Request Sets
- Unscheduled Request Sets

Active Concurrent Requests by Application

This metric category collects information about active concurrent requests by application.

Data Source

This metric is computed by counting the total active concurrent requests by application from the FND_CONCURRENT_REQUESTS table.

Application Name

This metric displays the name of the application.

Target Version	Collection Frequency
All Versions	Every 15 Minutes

Application Short Name

This metric displays the short name of the application.

Target Version	Collection Frequency
All Versions	Every 15 Minutes

Non-Repeating Pending requests (Normal and Standby)

This metric displays the number of nonrepeating pending requests (both normal and standby status).

Target Version	Collection Frequency	Default Warning Threshold	Default Critical Threshold	Alert Text
All Versions	Every 15 Minutes	Not Defined	Not Defined	Number of Non Repeating Pending Requests for application %application_name% is %value%

User Action

If there are an unusually high number of pending requests, then check if all the concurrent managers are active.

Non-Repeating Running requests

This metric displays the number of nonrepeating running requests.

Target Version	Collection Frequency	Default Warning Threshold	Default Critical Threshold	Alert Text
All Versions	Every 15 Minutes	Not Defined	Not Defined	Number of Non Repeating Running Requests for application %application_name% is %value%

Repeating Pending requests (Normal and Standby)

This metric displays the number of repeating pending requests (both normal and standby status).

Target Version	Collection Frequency	Default Warning Threshold	Default Critical Threshold	Alert Text
All Versions	Every 15 Minutes	Not Defined	Not Defined	Number of Repeating Pending Requests for application %application_name% is %value%

User Action

If there are an unusually high number of pending requests, then check if all the concurrent managers are active.

Repeating Running requests

This metric displays the number of repeating running requests.

Target Version	Collection Frequency	Default Warning Threshold	Default Critical Threshold	Alert Text
All Versions	Every 15 Minutes	Not Defined	Not Defined	Number of Repeating Running Requests for application %application_name% is %value%

Activity

This metric category provides information about active concurrent requests.

Data Source

These metrics are computed by counting the total active concurrent requests by application from the FND_CONCURRENT_REQUESTS and FND_CONCURRENT_PROCESSES and FND_LOGIN_RESP_FORMS tables.

Active Service Processes

This metric displays the number of active service processes.

Target Version	Collection Frequency
All Versions	Every 15 Minutes

Concurrent Requests Running

This metric displays the number of concurrent requests running.

Target Version	Collection Frequency
All Versions	Every 15 Minutes

Capacity Utilization of Concurrent Managers

This metric category compares the number of instances of concurrent managers running to that of the maximum number allowed and gets the capacity as a percentage of maximum number allowed. This is calculated for all types of concurrent managers such as Concurrent Manager, Internal Concurrent Manager and so on. You can set an alert if the capacity utilization of concurrent managers drops below a specific threshold.

Data Source

The number of instances per manager and the maximum instances allowed per manager is obtained from FND_CONCURRENT_QUEUES and the percentage is calculated.

Manager Name

This metric displays the name of the concurrent manager.

Target Version	Collection Frequency
All Versions	Every 1 Day

Utilized Capacity

This metric displays the utilized capacity for all the concurrent managers.

Target Version	Collection Frequency	Default Warning Threshold	Default Critical Threshold	Alert Text
All Versions	Every 1 Day	Not Defined	Not Defined	Utilized Capacity of manager % manager_name %: %value%%

Concurrent Requests in Blocked State

This metric category provides information about concurrent requests that are in blocked state (such as row locks).

You can set an alert to inform you if a request is in blocked state for more than a specific threshold.

Blocking Action

This metric displays the blocking action.

Target Version	Collection Frequency
All Versions	Every 60Minutes

Blocking ID

This metric displays the blocking ID.

Target Version	Collection Frequency
All Versions	Every 60 Minutes

Blocking Inst. Id

This metric displays the instance ID of the blocking concurrent program as available

from the GV$LOCK view.

Target Version	Collection Frequency
All Versions	Every 60 Minutes

Blocking Minutes

This metric displays the blocking minutes.

Target Version	Collection Frequency	Default Warning Threshold	Default Critical Threshold	Alert Text
All Versions	Every 60 Minutes	Not Defined	Not Defined	Concurrent Request % request_id% Blocked for % value% Minutes

Blocking Module

This metric displays the blocking module.

Target Version	Collection Frequency
All Versions	Every 60 Minutes

Concurrent Program Name

This metric displays the name of the concurrent program.

Target Version	Collection Frequency
All Versions	Every 60 Minutes

Concurrent Request Inst. Id

This metric displays the ID associated with the concurrent request.

Target Version	Collection Frequency
All Versions	Every 60 Minutes

Concurrent Request SID

This metric displays the database SID associated with this concurrent request.

Target Version	Collection Frequency
All Versions	Every 60 Minutes

Request ID

This metric collects information on requests in blocked state (such as row locks) for a specific concurrent manager.

You can set an alert to inform you if a request is in blocked state for more than a specific threshold.

Target Version	Collection Frequency
All Versions	Every 60 Minutes

Data Source

Blocked requests are identified by joining FND_CONCURRENT_REQUESTS with GV$LOCK and GV$SESSION when the phase code of the request is 'R' for this concurrent manager.

User Action

Analyze the cause of the block and ensure that the issue is not widespread rather than just the concurrent request.

No. of Hourly Completed Requests by Status

This metric category provides the number of requests completed in the last hour grouped based on status.

Concurrent Requests Completed Successfully

This metric displays the number of concurrent requests that completed successfully in the last hour.

Target Version	Collection Frequency
All Versions	Every 60 Minutes

Concurrent Requests Completed With Error

This metric displays the number of concurrent requests that completed with an error in the last hour.

Target Version	Collection Frequency	Default Warning Threshold	Default Critical Threshold	Alert Text
All Versions	Every 60 Minutes	Not Defined	Not Defined	%value% concurrent requests completed with error

Concurrent Requests Completed With Warning

This metric displays the number of concurrent requests that completed with a warning in the last hour.

Target Version	Collection Frequency	Default Warning Threshold	Default Critical Threshold	Alert Text
All Versions	Every 60 Minutes	Not Defined	Not Defined	%value% concurrent requests completed with warning

Concurrent Requests Error Rate (%)

This metric displays the percentage of completed concurrent requests with errors.

Target Version	Collection Frequency	Default Warning Threshold	Default Critical Threshold	Alert Text
All Versions	Every 60 Minutes	0	Not Defined	Concurrent Requests completion with error rate is %value%%%

Concurrent Requests Successful Requests Rate (%)

This metric displays the percentage of successfully completed concurrent requests.

Target Version	Collection Frequency	Default Warning Threshold	Default Critical Threshold	Alert Text
All Versions	Every 60 Minutes	Not Defined	Not Defined	Concurrent Requests successful completion rate is %value%%%

Concurrent Requests Warning Rate (%)

This metric displays the percentage of completed concurrent requests with warnings.

Target Version	Collection Frequency	Default Warning Threshold	Default Critical Threshold	Alert Text
All Versions	Every 60 Minutes	Not Defined	Not Defined	Concurrent Requests completion with warning rate is %value%%%

No of Incomplete Requests by Status

This metric category provides the number of incomplete requests which are in various stages of progress, grouped by status.

Concurrent Requests Inactive (No Manager)

This metric displays the number of incomplete inactive concurrent requests with a status of No Manager.

Target Version	Collection Frequency	Default Warning Threshold	Default Critical Threshold	Alert Text
All Versions	Every 15 Minutes	Not Defined	Not Defined	value% Concurrent Requests are Inactive (No Manager)

Concurrent Requests Inactive (On Hold)

This metric displays the number of incomplete inactive concurrent requests with a status of On Hold.

Target Version	Collection Frequency	Default Warning Threshold	Default Critical Threshold	Alert Text
All Versions	Every 15 Minutes	Not Defined	Not Defined	%value% Concurrent Requests are on hold

Concurrent Requests Pending (Normal)

This metric displays the number of incomplete pending concurrent requests with a status of Normal.

Target Version	Collection Frequency	Default Warning Threshold	Default Critical Threshold	Alert Text
All Versions	Every 15 Minutes	Not Defined	Not Defined	%value% Concurrent Requests are Pending (Normal)

Concurrent Requests Pending (Standby)

This metric displays the number of incomplete pending concurrent requests with a status of Standby.

Target Version	Collection Frequency	Default Warning Threshold	Default Critical Threshold	Alert Text
All Versions	Every 15 Minutes	Not Defined	Not Defined	%value% Concurrent Requests are Pending (Standby)

Concurrent Requests Running

This metric displays the number of running concurrent requests.

Target Version	Collection Frequency
All Versions	Every 15 Minutes

Concurrent Requests Scheduled

This metric displays the number of scheduled concurrent requests.

Target Version	Collection Frequency
All Versions	Every 15 Minutes

Pending Requests (Standby)

This metric category provides information about requests in a pending phase with a status of Standby.

Concurrent Program Name

This metric displays the name of the concurrent programs associated with the pending request.

Target Version	Collection Frequency
All Versions	Every 60 Minutes

Concurrent Program Short Name

This metric displays the short name of the concurrent program associated with the pending request.

Target Version	Collection Frequency
All Versions	Every 60 Minutes

Phase

This metric displays the request phase of the pending request.

Target Version	Collection Frequency
All Versions	Every 60 Minutes

Request Id

This metric displays the ID associated with the pending request.

Target Version	Collection Frequency
All Versions	Every 60 Minutes

Request Start Date

This metric displays the start date of the pending request.

Target Version	Collection Frequency
All Versions	Every 60 Minutes

Standby Pending Time

This metric displays the length of time that the request is pending with a status of Standby.

Target Version	Collection Frequency	Default Warning Threshold	Default Critical Threshold	Alert Text
All Versions	Every 60 Minutes	Not Defined	Not Defined	Request % request_id% Pending in Standby Status for %value% Minutes

Status

This metric displays the status of the pending request.

Target Version	Collection Frequency
All Versions	Every 60 Minutes

Pending Requests (Normal)

This metric category provides information about requests in a pending phase with a status of Normal.

Concurrent Program Name

This metric displays the name of the concurrent program associated with the pending request.

Target Version	Collection Frequency
All Versions	Every 60 Minutes

Concurrent Program Short Name

This metric displays the short name of the concurrent program associated with the pending request.

Target Version	Collection Frequency
All Versions	Every 60 Minutes

Normal Pending Time

This metric displays the length of time that the request is pending in a Normal Status.

Target Version	Collection Frequency	Default Warning Threshold	Default Critical Threshold	Alert Text
All Versions	Every 60 Minutes	Not Defined	Not Defined	Request % request_id% Pending in Normal Status for %value% Minutes

Phase

This metric displays the request phase of the pending request.

Target Version	Collection Frequency
All Versions	Every 60 Minutes

Request Id

This metric displays the ID associated with the pending request.

Target Version	Collection Frequency
All Versions	Every 60 Minutes

Request Start Date

This metric displays the start date of the pending request.

Target Version	Collection Frequency
All Versions	Every 60 Minutes

Status

This metric displays the status of the pending request.

Target Version	Collection Frequency
All Versions	Every 60 Minutes

Username

This metric displays the user name associated with the pending request.

Target Version	Collection Frequency
All Versions	Every 60 Minutes

Running Requests

This metric category provides information about requests that are running.

Concurrent Program Name

This metric displays the name of the concurrent program associated with the running request.

Target Version	Collection Frequency
All Versions	Every 60 Minutes

Concurrent Program Short Name

This metric displays the short name of the concurrent program associated with the running request.

Target Version	Collection Frequency
All Versions	Every 60 Minutes

Phase

This metric displays the phase of the running request.

Target Version	Collection Frequency
All Versions	Every 60 Minutes

Request ID

This metric displays the ID associated with the running request.

Target Version	Collection Frequency
All Versions	Every 60 Minutes

Request Start Date

This metric displays the start date of the running request.

Target Version	Collection Frequency
All Versions	Every 60 Minutes

Running Time

This metric displays the length of time that the concurrent request is running.

Target Version	Collection Frequency	Default Warning Threshold	Default Critical Threshold	Alert Text
All Versions	Every 60 Minutes	Not Defined	Not Defined	Request % request_id% Running for % value% Minutes

Status

This metric displays the status of the running request.

Target Version	Collection Frequency
All Versions	Every 60 Minutes

Username

This metric displays the user name associated with the running request.

Target Version	Collection Frequency
All Versions	Every 60 Minutes

No of Concurrent Requests in Blocked State

This metric category provides information about the number of requests that are in a blocked state because of database locks.

Concurrent Program Name

This metric displays the name of the concurrent program.

Target Version	Collection Frequency
All Versions	Every 60 Minutes

No of Concurrent Requests in Blocked State

This metric displays the number of requests that are in a blocked state because of database locks.

Target Version	Collection Frequency	Default Warning Threshold	Default Critical Threshold	Alert Text
All Versions	Every 60 Minutes	Not Defined	Not Defined	No of Concurrent Requests in Blocked State

Tolerance Level For Long Running Request

This metric category provides information about tolerance levels for long running requests. Tolerance level is calculated as a percentage of the running time to that of the average running time. This enables you to set an alert if the running time of a request exceeds a certain percentage of the average run time.

Concurrent Manager

This metric displays the name of the concurrent manager associated with the long-running request.

Target Version	Collection Frequency
All Versions	Every 60 Minutes

Concurrent Program Name

This metric displays the name of the concurrent program associated with the long-running request.

Target Version	Collection Frequency
All Versions	Every 60 Minutes

Concurrent Program Short Name

This metric displays the short name of the concurrent program associated with the long-running request.

Target Version	Collection Frequency
All Versions	Every 60 Minutes

Phase

This metric displays the request phase of the long-running request.

Target Version	Collection Frequency
All Versions	Every 60 Minutes

Request ID

This metric displays the ID associated with the long-running request.

Target Version	Collection Frequency
All Versions	Every 60 Minutes

Request Start Date

This metric displays the start date of the long-running request.

Target Version	Collection Frequency
All Versions	Every 60 Minutes

Running Time

This metric displays the length of time that the request is running.

Target Version	Collection Frequency
All Versions	Every 60 Minutes

Status

This metric displays the status of the long-running request.

Target Version	Collection Frequency
All Versions	Every 60 Minutes

Tolerance on Average Execution Time (%)

This metric displays the percentage of the running time to that of the average running time.

Target Version	Collection Frequency	Default Warning Threshold	Default Critical Threshold	Alert Text
All Versions	Every 60 Minutes	Not Defined	Not Defined	Request % request_id% is Running % value%% Longer Than The Average Execution Time

Username

This metric displays the user name associated with the long-running request.

Target Version	Collection Frequency
All Versions	Every 60 Minutes

Running Request Sets

This metric category provides information about the running request sets. Request sets are defined to run several concurrent programs in a single request.

Concurrent Request Set Name

This metric displays the name of the concurrent request set.

Target Version	Collection Frequency
All Versions	Every 60 Minutes

Phase

This metric displays the phase of the running request set.

Target Version	Collection Frequency
All Versions	Every 60 Minutes

Request Id

This metric displays the ID associated with the running request set.

Target Version	Collection Frequency
All Versions	Every 60 Minutes

Requested Start Date

This metric displays the start date of the running request set.

Target Version	Collection Frequency
All Versions	Every 60 Minutes

Running Time

This metric displays the length of time that the request set is running.

Target Version	Collection Frequency	Default Warning Threshold	Default Critical Threshold	Alert Text
All Versions	Every 60 Minutes	Not Defined	Not Defined	Request % request_id% Running for % value% Minutes

Status

This metric displays the status of the running request set.

Target Version	Collection Frequency
All Versions	Every 60 Minutes

Failed Request Sets

This metric category provides information about the failed request sets.

Concurrent Request Set Name

This metric displays the name of the concurrent request set.

Target Version	Collection Frequency	Default Warning Threshold	Default Critical Threshold	Alert Text
All Versions	Every 60 Minutes	Not Defined	Not Defined	Failed Request Set name is % value%

Execution Time

This metric displays the length of time it took to complete the failed request set.

Target Version	Collection Frequency
All Versions	Every 60 Minutes

Phase

This metric displays the phase of the failed request set.

Target Version	Collection Frequency
All Versions	Every 60 Minutes

Request ID

This metric displays the ID associated with the failed request set.

Target Version	Collection Frequency
All Versions	Every 60 Minutes

Requested Start Date

This metric displays the start date of the failed request set.

Target Version	Collection Frequency
All Versions	Every 60 Minutes

Status

This metric displays the status of the failed request set.

Target Version	Collection Frequency
All Versions	Every 60 Minutes

User Name

This metric displays the user name associated with the failed request set.

Target Version	Collection Frequency
All Versions	Every 60 Minutes

Not Started Request Sets

This metric category provides information about the request sets that have not started yet.

Concurrent Queue Name

This metric displays the name of the Concurrent Manager queue.

Target Version	Collection Frequency
All Versions	Every 20 Minutes

Concurrent Request Set Name

This metric displays the name of the concurrent request set.

Target Version	Collection Frequency
All Versions	Every 20 Minutes

Request Id

This metric displays the ID associated with the request set that has not started yet.

Target Version	Collection Frequency
All Versions	Every 20 Minutes

Requested Start Date

This metric displays the start date of the request set that has not started yet.

Target Version	Collection Frequency
All Versions	Every 20 Minutes

Status

This metric displays the status of the request set that has not started yet.

Target Version	Collection Frequency	Default Warning Threshold	Default Critical Threshold	Alert Text
All Versions	Every 20 Minutes	Not Defined	Not Defined	Request Set % request_id% is not started since % requested_start_ date%

User Name

This metric displays the user name associated the request set that has not started yet.

Target Version	Collection Frequency
All Versions	Every 20 Minutes

Wait Time

This metric displays the length of time the request set waits to be processed.

Target Version	Collection Frequency
All Versions	Every 20 Minutes

Unscheduled Request Sets

This metric category provides information about the request sets that are yet to be scheduled.

Concurrent Request Set Name

This metric displays the name of the concurrent request set.

Target Version	Collection Frequency
All Versions	Every 24 Hours

Request Id

This metric displays the ID associated with the request set that has to be scheduled.

Target Version	Collection Frequency
All Versions	Every 24 Hours

Status

This metric displays the status of the request set that has to be scheduled.

Target Version	Collection Frequency	Default Warning Threshold	Default Critical Threshold	Alert Text
All Versions	Every 20 Minutes	Not Defined	Unscheduled	Request Set % request_id% is Unscheduled

Requested Start Date

This metric displays the start date of the request set that has not started yet.

Target Version	Collection Frequency
All Versions	Every 20 Minutes

Status

This metric displays the status of the request set that has not started yet.

Target Version	Collection Frequency	Default Warning Threshold	Default Critical Threshold	Alert Text
All Versions	Every 20 Minutes	Not Defined	Not Defined	Request Set % request_id% is not started since % requested_start_ date%

User Name

This metric displays the user name associated the request set that has not started yet.

Target Version	Collection Frequency
All Versions	Every 20 Minutes

Wait Time

This metric displays the length of time the request set waits to be processed.

Target Version	Collection Frequency
All Versions	Every 20 Minutes

7

Oracle E-Business Suite

Oracle E-Business Suite is a complete set of business applications for managing and automating processes across your enterprise.

This chapter covers the following topics:

- Abandoned Nodes
- Activity
- Applications System Status
- Applications by Errored Execs
- Applications by Pending Requests
- Concurrent Managers Configured
- Configuration Changes (Last 24 hours)
- Forms Database Sessions per Application
- Native Services
- Oracle Applications Internal System Alerts
- Processes and Requests per Concurrent Manager
- Programs by Average Running Time
- Programs by Errored Executions
- Programs by Executions
- Programs by Total Running Time
- Response
- Top Pending Requests
- Top Running Requests
- Top Scheduled Requests
- Top Users (Requests Submitted)

- Users by Pending Requests

- Users by Running Requests

- Web Users

- Workflow Agent Activity

- Workflow Notifications

Abandoned Nodes

During online patching, patching can fail on some nodes. You can mark this node as abandoned and proceed with the completion of the patching cycle. This metric category collects the list of abandoned nodes and raises an incident. For an abandoned node, you must first customize the discovery and disable this node and then do a rediscovery. For more information about discovery, see the *Oracle Enterprise Manager Cloud Control Administrator's Guide*.

Node Name

This metric displays the name of the node with the failed online patching.

Target Version	Collection Frequency
All Versions	Every 60 Minutes

Node Type

This metric displays the type of node with the failed online patching.

Target Version	Collection Frequency
All Versions	Every 60 Minutes

Status

This metric displays the status of the node and raises an incident if the node is marked as Abandoned.

Target Version	Collection Frequency	Default Warning Threshold	Default Critical Threshold	Alert Text
All Versions	Every 60 Minutes	Not Defined	Abandoned	Node % node_name% is abandoned. Please exclude this node from discovery customization and rerun EBS discovery.

Activity

This metric category provides information about active service processes, active concurrent requests, and active Forms sessions.

Data Source

The metrics in this category are computed by counting total active concurrent requests by application from FND_CONCURRENT_REQUESTS, FND_CONCURRENT_PROCESSES and FND_LOGIN_RESP_FORMS.

Active Service Processes

This metric displays the total number of processes running for the concurrent manager.

Target Version	Collection Frequency
All Versions	Every 15 Minutes

Concurrent Requests Running

This metric displays the active running concurrent requests.

Target Version	Collection Frequency
All Versions	Every 15 Minutes

Forms Sessions

This metric displays the active Forms sessions.

Target Version	Collection Frequency
All Versions	Every 15 Minutes

Applications System Status

This metric category shows the application system status. These metrics are collected for generating various charts for performance and usage.

Apps Metric Type

This metric displays the type of Applications metric.

Target Version	Collection Frequency
All Versions	Every 15 Minutes

Host Name

This metric displays the host name.

Target Version	Collection Frequency
All Versions	Every 15 Minutes

Host Platform

This metric displays the host's operating system.

Target Version	Collection Frequency
All Versions	Every 15 Minutes

Last Update Date

This metric displays the date of the last update.

Target Version	Collection Frequency
All Versions	Every 15 Minutes

Metric Name

This metric displays the name of the metric.

Target Version	Collection Frequency
All Versions	Every 15 Minutes

Service Description

This metric displays a description of this service.

Target Version	Collection Frequency
All Versions	Every 15 Minutes

Service Name

This metric displays the name of this service.

Target Version	Collection Frequency
All Versions	Every 15 Minutes

Service Status Code

This metric displays the status code associated with this service.

Target Version	Collection Frequency
All Versions	Every 15 Minutes

Service Type

This metric displays the type of this service.

Target Version	Collection Frequency
All Versions	Every 15 Minutes

Applications by Errored Execs

This metric category is used to send alerts when errors executions exceed certain limits set by users. These metrics are important to understand failure rate as well as using total executions for capacity planning.

Data Source

The metrics in this metric category are computed by counting errored executions from FND_CONCURRENT_REQUESTS.

Application Name

This metric displays the name of the application.

Target Version	Collection Frequency
All Versions	Every 1 Day

Application Short Name

This metric displays the short name of the application.

Target Version	Collection Frequency
All Versions	Every 1 Day

Errored Executions

This metric displays the number of errored executions.

You can set the threshold to monitor errored executions of concurrent programs.

Target Version	Collection Frequency	Default Warning Threshold	Default Critical Threshold	Alert Text
All Versions	Every 1 Day	Not Defined	0	%value%

User Action

Investigate all the errored concurrent process executions.

Errored Executions (%)

This metric displays the percentage of errored executions.

Target Version	Collection Frequency
All Versions	Every 1 Day

Node Name

This metric displays the name of the node.

Target Version	Collection Frequency
All Versions	Every 1 Day

Total Executions

This metric displays the total number of executions.

Target Version	Collection Frequency
All Versions	Every 1 Day

Applications by Pending Requests

This metric category shows all the pending concurrent requests by application.

Application Name

This metric displays the name of the application.

Target Version	Collection Frequency
All Versions	Every 1 Day

Application Short Name

This metric displays the short name of the application.

Target Version	Collection Frequency
All Versions	Every 1 Day

Number of Pending Requests

This metric displays the number of pending concurrent requests.

Target Version	Collection Frequency	Default Warning Threshold	Default Critical Threshold	Alert Text
All Versions	Every 1 Day	Not Defined	Not Defined	%value%

Data Source

This metric is computed by counting pending concurrent processing requests from FND_CONCURRENT_REQUESTS.

User Action

If a large number of concurrent requests are pending, then make sure the concurrent manager is up and running or else consider adding more concurrent managers.

Concurrent Managers Configured

This metric category provides information about the number of configured concurrent managers.

Number of Configured Concurrent Managers

This metric shows the number of concurrent managers configured.

Target Version	Collection Frequency
All Versions	Every 1 Day

Data Source

FND_CONCURRENT_REQUESTS

Configuration Changes (Last 24 hours)

This metric indicates if the configuration has changed in the last 24 hours.

Context Files Edited

This metric displays the number of context files that have changed on the system in the last 24 hours. Changes made to context files can impact your overall processing configuration and the functioning of business processes.

If you want to get notified about these configuration changes, then set this threshold.

Target Version	Collection Frequency	Default Warning Threshold	Default Critical Threshold	Alert Text
All Versions	Every 1 Hour	Not Defined	Not Defined	%value% context files have been edited in the last 24 hours

User Action

Use this data to help diagnose sudden changes in the functioning of your applications system.

Invalid Database Objects

This metric displays the list of invalid objects owned by the APPS schema.

Target Version	Collection Frequency	Default Warning Threshold	Default Critical Threshold	Alert Text
All Versions	Every 1 Hour	Not Defined	Not Defined	%value% invalid objects found

User Action

Use this data to help diagnose sudden changes in the functioning of your applications system.

Last Update Date

This metric displays the date of the last update.

Target Version	Collection Frequency
All Versions	Every 1 Hour

Patches Applied

This metric displays the list of patches that have been applied to the system in the last 24 hours.

Target Version	Collection Frequency
All Versions	Every 1 Hour

User Action

Use this data to help diagnose sudden changes in the functioning of your applications system.

Site Level Profile Options Changed

This metric displays the number of site level profile options that have changed on the system in the last 24 hours.

Target Version	Collection Frequency	Default Warning Threshold	Default Critical Threshold	Alert Text
All Versions	Every 1 Hour	Not Defined	Not Defined	%value% site level profile options have changed in the last 24 hours

User Action

Use this data to help diagnose sudden changes in the functioning of your applications system.

Forms Database Sessions per Application

This metric category provides information about the Forms database sessions for a selected application.

Application Name

This metric displays the name of the application.

Target Version	Collection Frequency
All Versions	Every 15 Minutes

Application Short Name

This metric displays the short name of the application.

Target Version	Collection Frequency
All Versions	Every 15 Minutes

Number of Forms Database Sessions

This metric displays the number of form sessions for each application.

Target Version	Collection Frequency	Default Warning Threshold	Default Critical Threshold	Alert Text
All Versions	Every 15 Minutes	0	Not Defined	%value% Forms Database Sessions are active for Application %application_name%

Data Source

This metric is computed by counting form sessions for each application.

User Action

If the warning threshold is reached, then investigate the Oracle E-Business Suite sizing guidelines.

For more information, see *R12: Forms Runtime Diagnostics (FRD), Tracing And Logging For Forms In Oracle Applications (Doc ID 438652.1)* on My Oracle Support:

`https://support.oracle.com/`

Native Services

This metric category is used to determine the status of native services. You can set the collection schedule only and not the warning or critical threshold levels.

Application Name

This metric displays the name of the application.

Target Version	Collection Frequency
All Versions	Every 15 Minutes

Application Short Name

This metric displays the short name of the application.

Target Version	Collection Frequency
All Versions	Every 15 Minutes

Service Actual Processes

This metric displays the number of service actual processes.

Target Version	Collection Frequency
All Versions	Every 15 Minutes

Service Application Name

This metric displays the service application name.

Target Version	Collection Frequency
All Versions	Every 15 Minutes

Service Handle

This metric displays the service handle.

Target Version	Collection Frequency
All Versions	Every 15 Minutes

Service Message

This metric displays the service message.

Target Version	Collection Frequency
All Versions	Every 15 Minutes

Service Name

This metric displays the name of the service.

Target Version	Collection Frequency
All Versions	Every 15 Minutes

Service Status

This metric displays the status of the service.

Target Version	Collection Frequency	Default Warning Threshold	Default Critical Threshold	Alert Text
All Versions	Every 15 Minutes	0	Not Defined	Service % srvc_name% is down.

User Action

If the services are down, investigate the cause and start up the services again.

Service Target Processes

This metric displays the service target processes.

Target Version	Collection Frequency
All Versions	Every 15 Minutes

Oracle Applications Internal System Alerts

This metric category provides internal system alerts for users to take corrective actions.

Last Update Date

This metric displays the date of the last update.

Target Version	Collection Frequency
All Versions	Every 15 Minutes

New Oracle Applications System Alert Occurrences

This metric displays the number of additional occurrences of system alerts that are in a new status.

Target Version	Collection Frequency	Default Warning Threshold	Default Critical Threshold	Alert Text
All Versions	Every 15 Minutes	0	Not Defined	New Oracle Applications system alert occurrences greater than % value%

User Action

You can set the threshold for New System Alert Occurrences. Check alerts and take corrective action.

New Oracle Applications System Alerts

This metric displays the number of system alerts that have not yet been acknowledged by the administrator. An alert is acknowledged when it is manually moved from a status of New to a status of Open or Closed.

Target Version	Collection Frequency	Default Warning Threshold	Default Critical Threshold	Alert Text
All Versions	Every 15 Minutes	0	Not Defined	New Oracle Applications system alerts greater than % value%

User Action

You can set the threshold for New system alerts. Check alerts and take corrective action.

Open Oracle Applications System Alert Occurrences

This metric displays all occurrences of alerts that are currently open.

Target Version	Collection Frequency
All Versions	Every 15 Minutes

New Oracle Applications System Alerts

This metric displays all the system alerts that are in an open status. An alert must be manually moved from the new to open status.

Target Version	Collection Frequency
All Versions	Every 15 Minutes

Processes and Requests per Concurrent Manager

This metric category provides information about the processes and requests for each concurrent manager.

Available Processes

This metric displays the number of available processes.

Target Version	Collection Frequency
All Versions	Every 7 Minutes

Concurrent Manager Name

This metric displays the name of the concurrent manager.

Target Version	Collection Frequency
All Versions	Every 7 Minutes

Normal Pending Requests

This metric displays the number of pending requests.

Target Version	Collection Frequency
All Versions	Every 7 Minutes

Running Requests

This metric displays the number of running requests.

Target Version	Collection Frequency
All Versions	Every 7 Minutes

Standby Pending Request

This metric displays the number of standby pending requests.

Target Version	Collection Frequency	Default Warning Threshold	Default Critical Threshold
All Versions	Every 7 Minutes	Not Defined	Not Defined

User Action

You can set the threshold Standby Pending Requests (>=) and receive alerts when the warning threshold is reached. Investigate why the requests are in standby pending status. Check if any background processes are blocking the concurrent request queue.

Programs by Average Running Time

This metric category provides information about the average running time for concurrent programs.

Average Running Time

This metric displays the average running time for the concurrent program.

Target Version	Collection Frequency	Default Warning Threshold	Default Critical Threshold	Alert Text
All Versions	Every 1 Day	Not Defined	Not Defined	%value%

User Action

You can set the threshold for this metric for all the concurrent requests. If the concurrent programs average time reaches the threshold, that is, exceeds the average running time, then alerts are generated. If the average running time exceeds the threshold, then investigate the cause.

Concurrent Program Name

This metric displays the internal name of the concurrent program.

Target Version	Collection Frequency
All Versions	Every 1 Day

Maximum Running Time

This metric displays the maximum running time for concurrent programs.

Target Version	Collection Frequency
All Versions	Every 1 Day

Total Executions

This metric displays the total number of concurrent program executions.

Target Version	Collection Frequency
All Versions	Every 1 Day

User Concurrent Program Name

This metric displays the user-friendly name of the concurrent program.

Target Version	Collection Frequency
All Versions	Every 1 Day

Programs by Errored Executions

This metric category provides information about errored executions.

Data Source

FND_CONCURRENT_PROGRAMS table.

Concurrent Program Name

This metric displays the internal name of the concurrent program.

Target Version	Collection Frequency
All Versions	Every 1 Day

Executions Errored (%)

This metric displays the percentage of errored executions.

Target Version	Collection Frequency
All Versions	Every 1 Day

Total Executions

This metric displays the total number of executions.

Target Version	Collection Frequency
All Versions	Every 1 Day

Total Executions (Errored)

This metric displays the total number of errored executions.

Target Version	Collection Frequency	Default Warning Threshold	Default Critical Threshold	Alert Text
All Versions	Every 1 Day	Not Defined	Not Defined	%value%

User Action

You can set the threshold for this metric to generate alerts. Check for concurrent processing failures in Oracle E-Business Suite.

User Concurrent Program Name

This metric displays the user-friendly name of the concurrent program.

Target Version	Collection Frequency
All Versions	Every 1 Day

Programs by Executions

This metric category provides information about concurrent program executions.

Concurrent Program Name

This metric displays the internal name of the concurrent program.

Target Version	Collection Frequency
All Versions	Every 1 Day

Errored Executions (%)

This metric displays the percentage of errored executions.

Target Version	Collection Frequency	Default Warning Threshold	Default Critical Threshold	Alert Text
All Versions	Every 1 Day	Not Defined	Not Defined	%value%

Successful Executions (%)

This metric displays the percentage of successful executions.

Target Version	Collection Frequency
All Versions	Every 1 Day

Total Executions

This metric displays the total number of executions.

Target Version	Collection Frequency
All Versions	Every 1 Day

User Concurrent Program Name

This metric displays the user-friendly name of the concurrent program.

Target Version	Collection Frequency
All Versions	Every 1 Day

Programs by Total Running Time

This metric category provides information about concurrent program by total running time.

Concurrent Program Name

This metric displays the internal name of the concurrent program.

Target Version	Collection Frequency
All Versions	Every 1 Day

Successful Executions (%)

This metric displays the percentage of successful executions.

Target Version	Collection Frequency
All Versions	Every 1 Day

Total Executions

This metric displays the total number of executions.

Target Version	Collection Frequency
All Versions	Every 1 Day

User Action

This metric returns up to 10 programs that are exceeding the threshold value of the top running time set by the user.

Total Running Time

This metric displays the total running time.

Target Version	Collection Frequency
All Versions	Every 1 Day

User Concurrent Program Name

This metric displays the user-friendly name of the concurrent program.

Target Version	Collection Frequency
All Versions	Every 1 Day

Response

This metric category provides information about the status of the target.

Status

This metric displays the status of the selected target, that is whether the target is up and running

Target Version	Collection Frequency
All Versions	Event-driven

Top Pending Requests

This metric category shows the top pending requests. Users can get alerts by setting thresholds for the pending time.

Manager Name

This metric displays the concurrent manager name.

Target Version	Collection Frequency
All Versions	Every 1 Day

Pending Time

This metric returns up to a number of 10 programs that are exceeding the pending time threshold.

Target Version	Collection Frequency	Default Warning Threshold	Default Critical Threshold	Alert Text
All Versions	Every 1 Day	Not Defined	Not Defined	%value%

Phase

This metric displays the request phase.

Target Version	Collection Frequency
All Versions	Every 1 Day

Program Name

This metric displays the name of the program associated with the request.

Target Version	Collection Frequency
All Versions	Every 1 Day

Program Short Name

This metric displays the short name of the program associated with the request.

Target Version	Collection Frequency
All Versions	Every 1 Day

Request ID

This metric displays the ID associated with the request.

Target Version	Collection Frequency
All Versions	Every 1 Day

Request Start Date

This metric displays the start date of the request.

Target Version	Collection Frequency
All Versions	Every 1 Day

Status

This metric displays the status of the program.

Target Version	Collection Frequency
All Versions	Every 1 Day

User Name

This metric displays the user name associated with the program.

Target Version	Collection Frequency
All Versions	Every 1 Day

Top Running Requests

This metric category shows the top running requests.

Manager Name

This metric displays the concurrent manager name.

Target Version	Collection Frequency
All Versions	Every 1 Day

Phase

This metric displays the request phase.

Target Version	Collection Frequency
All Versions	Every 1 Day

Program Name

This metric displays the name of the program associated with the request.

Target Version	Collection Frequency
All Versions	Every 1 Day

Program Short Name

This metric displays the short name of the program associated with the request.

Target Version	Collection Frequency
All Versions	Every 1 Day

Request ID

This metric displays the ID associated with the request.

Target Version	Collection Frequency
All Versions	Every 1 Day

Request Start Date

This metric displays the start date of the request.

Target Version	Collection Frequency
All Versions	Every 1 Day

Running Time

This metric displays the running time of the program.

Target Version	Collection Frequency	Default Warning Threshold	Default Critical Threshold	Alert Text
All Versions	Every 1 Day	0	Not Defined	%value%

Status

This metric displays the status of the program.

Target Version	Collection Frequency
All Versions	Every 1 Day

User Name

This metric displays the user name associated with the program.

Target Version	Collection Frequency
All Versions	Every 1 Day

Top Scheduled Requests

This metric category provides information about the top scheduled requests.

Manager Name

This metric displays the concurrent manager name.

Target Version	Collection Frequency
All Versions	Every 1 Day

Phase

This metric displays the request phase.

Target Version	Collection Frequency
All Versions	Every 1 Day

Program Name

This metric displays the name of the program associated with the request.

Target Version	Collection Frequency
All Versions	Every 1 Day

Program Short Name

This metric displays the short name of the program associated with the request.

Target Version	Collection Frequency
All Versions	Every 1 Day

Request ID

This metric displays the ID associated with the request.

Target Version	Collection Frequency
All Versions	Every 1 Day

Request Start Date

This metric displays the start date of the request.

Target Version	Collection Frequency
All Versions	Every 1 Day

Scheduled to Run in (Minutes)

This metric displays the number of minutes in which the program is scheduled to run.

Target Version	Collection Frequency
All Versions	Every 1 Day

Status

This metric displays the status of the program.

Target Version	Collection Frequency
All Versions	Every 1 Day

User Name

This metric displays the user name associated with the program.

Target Version	Collection Frequency
All Versions	Every 1 Day

Top Users (Requests Submitted)

This metric category provides information about monitoring top users who are submitting or running more concurrent requests.

Number of Requests

This metric displays the number of concurrent requests submitted. If users exceed the number of requests submitted, then an alert is sent out.

Target Version	Collection Frequency	Default Warning Threshold	Default Critical Threshold
All Versions	Every 1 Day	Not Defined	Not Defined

User Name

This metric displays the user name associated with the concurrent requests.

Target Version	Collection Frequency
All Versions	Every 1 Day

Users by Pending Requests

This metric category provides information about monitoring top users by pending requests.

Number of Pending Requests

This metric displays the number of concurrent requests pending.

Target Version	Collection Frequency	Default Warning Threshold	Default Critical Threshold
All Versions	Every 1 Day	Not Defined	Not Defined

User Name

This metric displays the user name associated with the pending requests.

Target Version	Collection Frequency
All Versions	Every 1 Day

Users by Running Requests

This metric category provides information about monitoring top users by running requests.

Number of Running Requests

This metric displays the number of concurrent requests running.

Target Version	Collection Frequency	Default Warning Threshold	Default Critical Threshold	Alert Text
All Versions	Every 1 Day	Not Defined	Not Defined	%value%

User Name

This metric displays the user name associated with the running requests.

Target Version	Collection Frequency
All Versions	Every 1 Day

Web Users

This metric category provides information about the number of web users.

Number of Web Users (Hourly)

This metric displays the number of web users each hour.

Target Version	Collection Frequency	Default Warning Threshold	Default Critical Threshold	Alert Text
All Versions	Every 1 Hour	Not Defined	Not Defined	Number of Web Users last hour is %value%

Workflow Agent Activity

The Agent Activity shows the distribution of event messages with different statuses.

Errored Business Event System Messages

This metric displays the number of errored business event system messages.

Target Version	Collection Frequency	Default Warning Threshold	Default Critical Threshold	Alert Text
All Versions	Every 15 Minutes	Not Defined	Not Defined	%value% Errored Business Event System Messages

User Action

No generic action. Contact the Oracle E-Business Suite Administrator or Oracle Support.

Expired Business Event System Messages

This metric displays the number of expired business event system messages.

Target Version	Collection Frequency	Default Warning Threshold	Default Critical Threshold	Alert Text
All Versions	Every 15 Minutes	Not Defined	Not Defined	%value% Expired Business Event System Messages

User Action

Check the agent listeners and the database alert log.

Processed Business Event System Messages

This metric displays the number of processed business event system messages.

Target Version	Collection Frequency	Default Warning Threshold	Default Critical Threshold	Alert Text
All Versions	Every 15 Minutes	Not Defined	Not Defined	%value% Processed Business Event System Messages

User Action

Check if the agent listeners are up and running.

Ready Business Event System Messages

This metric displays the number of ready business event system messages.

Target Version	Collection Frequency	Default Warning Threshold	Default Critical Threshold	Alert Text
All Versions	Every 15 Minutes	Not Defined	Not Defined	%value% Ready Business Event System Messages

User Action

If the number of messages is large, then check whether the workflow agents are running and check that the workflow container services from Oracle E-Business Suite are up.

Undeliverable Business Event System Messages

This metric displays the number of undeliverable business event system messages.

Target Version	Collection Frequency	Default Warning Threshold	Default Critical Threshold	Alert Text
All Versions	Every 15 Minutes	Not Defined	Not Defined	%value% Un-deliverable Business Event System Messages

User Action

No generic action. Contact the Oracle E-Business Suite Administrator or Oracle Support.

Waiting Business Event System Messages

This metric displays the number of waiting business event system messages.

Target Version	Collection Frequency	Default Warning Threshold	Default Critical Threshold
All Versions	Every 15 Minutes	Not Defined	Not Defined

User Action

No action.

Workflow Notifications

This metric category provides information about workflow notifications.

Errored Workflow Notifications

This metric displays the workflow e-mail notification status by computing the number of errored and unsent workflow notifications.

Target Version	Collection Frequency	Default Warning Threshold	Default Critical Threshold	Alert Text
All Versions	Every 1 Hour	Not Defined	Not Defined	%value% errored Workflow Notifications

Data Source

This data is obtained from the WF_NOTIFICATIONS table.

User Action

Check if the e-mail address of recipient is correct and check that the SMTP server can relay e-mails to recipient's e-mail domain.

Unsent Workflow Notifications

This metric displays the number of unsent workflow notifications.

Target Version	Collection Frequency	Default Warning Threshold	Default Critical Threshold	Alert Text
All Versions	Every 1 Hour	Not Defined	Not Defined	%value% unsent Workflow Notifications

User Action

Check if the mailer is up and running and that the outbound thread count is greater than or equal to 1.

8

Oracle E-Business Suite Conflict Resolution Manager

The Oracle E-Business Suite Conflict Resolution Manager enforces rules designed to ensure that incompatible concurrent requests do not run in the same conflict. This chapter describes the metrics available for the Conflict Resolution Manager target.

This chapter covers the following topics:

- CRM Inactive Minutes
- CRM in Blocked State in a Work Cycle
- Response

CRM Inactive Minutes

This metric category provides information in case if the Conflict Resolution Manager is inactive for a certain period of time. You can raise alerts if continues in inactive state beyond a certain period of time.

Concurrent Queue Name

Name of the Conflict Resolution Manager.

Target Version	Collection Frequency
All Versions	Every 10 Minutes

Last Work End Date

The time when the last conflict resolution happened.

Target Version	Collection Frequency
All Versions	Every 10 Minutes

No. of minutes elapsed since last work end

Time since the last conflict resolution happened.

Target Version	Collection Frequency	Default Warning Threshold	Default Critical Threshold	Alert Text
All Versions	Every 10 Minutes	Not Defined	Not Defined	CRM is inactive since %value% minutes

CRM in Blocked State in a Work Cycle

This metric category provides information in case if the Conflict Resolution Manager goes to a blocked state. You can raise alerts if it is in a blocked state beyond a certain period of time.

Blocking Minutes

The total number of minutes for which the Conflict Resolution Manager is in a blocked state.

Target Version	Collection Frequency	Default Warning Threshold	Default Critical Threshold	Alert Text
All Versions	Every 10 Minutes	Not Defined	Not Defined	CRM is in blocked state in a work cycle since %value% minutes

Blocking Process ID

Process ID of the OS process that is blocking the Conflict Resolution Manager.

Target Version	Collection Frequency
All Versions	Every 10 Minutes

Blocking Process Name

The name of the OS process that is blocking the Conflict Resolution Manager.

Target Version	Collection Frequency
All Versions	Every 10 Minutes

Conflict Resolution Manager SID

The system identifier (SID) of the Conflict Resolution Manager.

Target Version	Collection Frequency
All Versions	Every 10 Minutes

No. of minutes elapsed of running cycle

The number of minutes elapsed since the work cycle started.

Target Version	Collection Frequency
All Versions	Every 10 Minutes

Response

This metric category provides information about the status of the Conflict Resolution Manager.

Status

This metric checks whether the target is up and running.

Target Version	Collection Frequency	Default Warning Threshold	Default Critical Threshold	Alert Text
All Versions	Every 5 Minutes	Not Defined	0	Concurrent Manager is down (Status=% value%)

9

Oracle E-Business Suite Node

This chapter provides descriptions for the metrics defined for the Oracle E-Business Suite Node.

This chapter covers the following topics:

- Configuration File Discrepancies
- Cutover Status
- Response

Configuration File Discrepancies

This metric category provides information about discrepancies between the context files in the file system and database. You can define a threshold to raise an alert if there are discrepancies between the context files in the file system and database.

Discrepancy Files

This metric specifies whether there are any discrepancies between the context files in the file system and the database.

Target Version	Collection Frequency
All Versions	Every 1 Day

Discrepancy Count

This metric displays the number of context files with discrepancies between the context files in the file system and the database.

Target Version	Collection Frequency	Default Warning Threshold	Default Critical Threshold	Alert Text
All Versions	Every 1 Day	Not Defined	0	% DISCREP_FILES %

Cutover Status

This metric category provides information about the status of the Cutover deployment procedure.

Cutover Status Running

This metric specifies whether the cutover process is running.

Target Version	Collection Frequency
All Versions	Every 10 Minutes

Cutover Status Failed

This metric specifies whether the cutover process failed.

Target Version	Collection Frequency
All Versions	Every 10 Minutes

Cutover Status Completed

This metric specifies whether the cutover process completed and the timestamp associated with the completion date.

Target Version	Collection Frequency
All Versions	Every 10 Minutes

Response

This metric category provides information about the status of the Oracle E-Business Suites Node target.

Status

This metric specifies whether the Oracle E-Business Suite Node is up and running.

Target Version	Collection Frequency
All Versions	Event-driven

10

Oracle E-Business Suite Output Post Processor

Concurrent processing uses the Output Post Processor (OPP) to enforce post-processing actions for concurrent requests. Post-processing actions are actions taken on concurrent request output. An example of a post-processing action is that used in publishing concurrent requests with XML Publisher. This chapter provides descriptions of the metrics available for the Oracle E-Business Suite Output Post Processor.

This chapter covers the following topics:

- Output Post Processor Hang Error
- No. of NoResponse and Timeout Error Requests
- No Response Error Requests
- Response
- Timeout Error Requests

Output Post Processor Hang Error

This metric category checks whether the Output Post Processor is responding.

Error Message

This metric provides the error pattern that is the causing the Output Post Processor not to respond.

Target Version	Collection Frequency
All Versions	Every 60 Minutes

Request ID

This metric provides the request which caused the Output Post Processor to stop responding.

Target Version	Collection Frequency
All Versions	Every 60 Minutes

Request having hang error

This metric provides the number of requests having errors.

Target Version	Collection Frequency	Default Warning Threshold	Default Critical Threshold	Alert Text
All Versions	Every 60 Minutes	Not Defined	1	Output Post processor has hanged

No. of NoResponse and Timeout Error Requests

This metric category provides the total count of no response and timeout errors.

No. of NoResponse Error Requests

This metric provides the total count of no response errors.

Target Version	Collection Frequency
All Versions	Every 60 Minutes

Output Post Processor Hang Error

This metric checks whether the Output Post Processor is responding.

Target Version	Collection Frequency
All Versions	Every 60 Minutes

Error Message

This metric provides the error pattern that is the causing the Output Post Processor to stop responding.

Target Version	Collection Frequency
All Versions	Every 60 Minutes

Request ID

This metric provides the request which caused the Output Post Processor to stop responding.

Target Version	Collection Frequency
All Versions	Every 60 Minutes

Request having hang error

This metric provides the number of requests having this error.

Target Version	Collection Frequency	Default Warning Threshold	Default Critical Threshold	Alert Text
All Versions	Every 60 Minutes	Not Defined	1	No response from Output Post Processor

No. of Timeout Error Requests

This metric provides the total count of timeout errors.

Target Version	Collection Frequency	Default Warning Threshold	Default Critical Threshold	Alert Text
All Versions	Every 60 Minutes	Not Defined	1	Request timeout from Output Post Processor

No Response Error Requests

This metric category provides details of the request with no response error.

Error Message

This metric provides the error message for a specific request ID.

Target Version	Collection Frequency
All Versions	Every 60 Minutes

Request ID

This metric provides the ID of the request that is failing with no response error.

Target Version	Collection Frequency
All Versions	Every 60 Minutes

Response

This metric category provides information about the status of Output Post Processor.

Status

This metric checks whether the target is up and running.

Target Version	Collection Frequency	Default Warning Threshold	Default Critical Threshold	Alert Text
All Versions	Every 5 Minutes	Not Defined	0	Concurrent Manager is down (Status=% value%)

Timeout Error Requests

This metric category provides details of requests that timed out.

Error Message

This metric provides the error message with the details of the timeout.

Target Version	Collection Frequency
All Versions	Every 60 Minutes

Request ID

This metric provides the ID of the timed-out request.

Target Version	Collection Frequency
All Versions	Every 60 Minutes

11

Oracle MobileApps Telnet Listener

This chapter provides information about the metrics defined for the Oracle MobileApps Telnet Listener target.

This chapter covers the following topics:

- MobileApps Dispatcher Port Listening Status
- MobileApps Telnet Ports Listening Status
- Response

MobileApps Dispatcher Port Listening Status

This metric category provides information about the MobileApps Dispatcher port.

Listening Status

This metric displays the listening status of the dispatcher port.

Target Version	Collection Frequency	Default Warning Threshold	Default Critical Threshold	Alert Text
All Versions	Every 5 Minutes	Not Defined	Not Listening	Dispatcher Port (%port%) is not in Listening Status

Port

This metric displays the port number of the dispatcher port.

Target Version	Collection Frequency
All Versions	Every 5 Minutes

Process Name

This metric displays the process name of the dispatcher process.

Target Version	Collection Frequency
All Versions	Every 5 Minutes

Process Status

This metric displays the status of the dispatcher process.

Target Version	Collection Frequency	Default Warning Threshold	Default Critical Threshold	Alert Text
All Versions	Every 5 Minutes	Not Defined	Not Running	Dispatcher Process (% process_ name%) is not running

MobileApps Telnet Ports Listening Status

This metric category provides information about the MobileApps Telnet port.

Listening status

This metric displays the listening status of the dispatcher port.

Target Version	Collection Frequency	Default Warning Threshold	Default Critical Threshold	Alert Text
All Versions	Every 5 Minutes	Not Defined	Not Listening	Telnet Port % port% is not in Listening Status

Port

This metric displays the port number of the dispatcher port.

Target Version	Collection Frequency
All Versions	Every 5 Minutes

Response

This metric category provides information about the status of the target.

Status

This metric displays the status of the selected target, that is, whether the target is up and running.

Target Version	Collection Frequency
All Versions	Every 5 Minutes

12

Oracle Workflow Agent Listener

The Oracle Workflow Agent Listener is the target for monitoring the Oracle Workflow Agent listeners.

For more information about Oracle Workflow Agent listeners, see your Oracle Workflow user documentation.

This chapter covers the following topics:

- Errored Java Events
- Errored PLSQL Events
- Pending Java Events
- Pending PLSQL Events
- Response

Errored Java Events

This metric category provides information about the errored Java business events.

Errored Java Events

This metric displays the number of errored Java business events.

Target Version	Collection Frequency	Default Warning Threshold	Default Critical Threshold	Alert Text
All Versions	Every 15 Minutes	0	Not Defined	%value% Errored Java Events

Data Source

This data is collected from the WF_JAVA_ERROR queue.

User Action

The event payload from WF_JAVA_ERROR AQ contains the detailed error stack about failed or errored events. Review the event payload and fix the problem.

Also, check if the Workflow Java Error Agent Listener is up and running. If the backlog of number of READY error events is large, then check the number of threads of the Workflow Java Error Agent Listener.

Errored PLSQL Events

This metric category provides information about errored PL/SQL business events.

Errored PLSQL Event

This metric displays the number of errored PL/SQL business events.

Target Version	Collection Frequency	Default Warning Threshold	Default Critical Threshold	Alert Text
All Versions	Every 15 Minutes	0	Not Defined	%value% Errored PLSQL Events

Data Source

This data is collected from the WF_ERROR queue.

User Action

The event payload from the WF_ERROR AQ table contains the detailed error stack about failed or errored events. Review the event payload and fix the problem.

Also check if the Workflow Error Agent Listener is up and running. If the backlog of the number of READY error events is large, then check the number of threads of the Workflow Error Agent Listener.

Pending Java Events

This metric category provides information about deferred Java business events.

Pending Java Events

This metric displays the number of deferred Java business events.

Target Version	Collection Frequency	Default Warning Threshold	Default Critical Threshold	Alert Text
All Versions	Every 15 Minutes	0	Not Defined	%value% Pending Java Events

Data Source

This data is collected from the WF_JAVA_DEFERRED queue.

User Action

If the backlog of READY messages is large, then check if the Workflow Deferred Java Agent Listener is up and running and that the number of threads are greater than or equal to 1.

Pending PLSQL Events

This metric category provides information about the deferred PL/SQL business events.

Pending PLSQL Events

This metric displays the number of deferred PL/SQL events.

Target Version	Collection Frequency	Default Warning Threshold	Default Critical Threshold	Alert Text
All Versions	Every 15 Minutes	0	Not Defined	%value% Pending PLSQL Events

Data Source

This data is collected from the WF_DEFERRED queue.

User Action

If the backlog of READY messages is large, then check if the Workflow Deferred Agent

Listener is up and running and that the number of threads are greater than or equal to 1.

Response

This metric category checks the Oracle Workflow Agent Listener container and the following Agent Listener components when the target is up and running or down.

1. Workflow Deferred Agent Listener

2. Workflow Deferred Notification Agent Listener

3. Workflow Error Agent Listener

4. Workflow Inbound Notifications Agent Listener

Status

This metric displays whether the target is up and running.

Target Version	Collection Frequency	Default Warning Threshold	Default Critical Threshold	Alert Text
All Versions	Every 15 Minutes	Not Defined	DOWN	%value% Workflow Deferred Agent Listeners Running

User Action

If the status is DOWN, then check the Workflow Agent Listener.

13

Oracle Workflow Background Engine

The Oracle Workflow Background Engine target monitors the Oracle Workflow Background Engine.

This chapter covers the following topics:

- Deferred Items
- Response

Deferred Items

This metric category provides information about deferred workflow processes.

Deferred Items

This metric displays the number of deferred workflow processes.

Target Version	Collection Frequency	Default Warning Threshold	Default Critical Threshold	Alert Text
All Versions	Every 15 Minutes	0	Not Defined	%value% Deferred Activities

Data Source

This data is collected from the WF_DEFERRED queue.

User Action

If the backlog of READY messages is very high, then check if the Workflow Background Engine concurrent program is scheduled at required intervals and the service is up and running.

The Workflow Background engine depends on the Internal Concurrent Manager (ICM), so make sure that ICM is up and running.

For more information, see the *Oracle Workflow Administrator's Guide*.

Response

This metric category provides information about the status of the Oracle Workflow Background Engine target.

Status

This metric shows the status of the Oracle Workflow Background Engine target.

Target Version	Collection Frequency	Default Warning Threshold	Default Critical Threshold	Alert Text
All Versions	Every 15 Minutes	Not Defined	0	%value% Workflow Background Requests Running

Data Source

This data is collected from the FND_CONCURRENT_REQUESTS table.

User Action

Check if the Oracle Workflow Background Engine target is running.

14

Oracle Workflow Notification Mailer

Oracle Workflow Notification Mailer is a service component that sends e-mail notifications to users through a mail application, and processes e-mail responses.

This chapter covers the following topics:

- Pending Inbound Notification Events
- Pending Outbound Notification Events
- Pending Outbound Notifications
- Response

Pending Inbound Notification Events

This metric category provides information about pending inbound notification events.

Pending Inbound Notification Events

This metric displays the number of pending (ready to be processed) inbound notification events.

Target Version	Collection Frequency	Default Warning Threshold	Default Critical Threshold	Alert Text
All Versions	Every 15 Minutes	0	Not Defined	%value% Pending Inbound Notification Events

Data Source

This data is collected from the WF_NOTIFICATION_IN queue.

User Action

If the READY message count is too high, then check if the Workflow Inbound Notifications Agent Listener is up and running and that the thread count is greater than or equal to 1.

> **Note:** You can increase the Inbound Notification Listener's thread count to improve message processing time.

Pending Outbound Notification Events

This metric category provides information about pending outbound notification events.

Pending Outbound Notification Events

This metric displays the number of pending (ready to be processed) outbound notification events.

Target Version	Collection Frequency	Default Warning Threshold	Default Critical Threshold	Alert Text
All Versions	Every 15 Minutes	0	Not Defined	%value% Pending Outbound Notification Events

Data Source

This data is collected from the WF_DEFERRED queue.

User Action

If the READY message count is too high, then check if the Workflow Deferred Agent Listener or the Workflow Deferred Notification Agent Listener is up and running and that the thread count is greater than or equal to 1.

> **Note:** You can increase the Notification Listener's thread count to improve message processing time.

Pending Outbound Notifications

This metric category provides information about the pending outbound notifications.

Pending Outbound Notifications

This metric displays the number of pending outbound notifications.

Target Version	Collection Frequency	Default Warning Threshold	Default Critical Threshold	Alert Text
All Versions	Every 15 Minutes	0	Not Defined	%value% Pending Outbound Notifications

Data Source

This data is collected from the WF_DEFERRED queue.

Response

This metric category provides information about the status of the Oracle Workflow Notification Mailer target.

Status

This metric checks whether the status of the target is up or down.

Target Version	Collection Frequency	Default Warning Threshold	Default Critical Threshold	Alert Text
All Versions	Every 15 Minutes	Not Defined	0	%value% Workflow Notification Mailers Running

Data Source

This data is collected from the FND_SVC_COMPONENTS and FND_CONCURRENT_ QUEUES.

User Action

Check if Workflow Mailer Container target is up.