Copyright and Trademarks

Copyright © 1995, 2009, Oracle and/or its affiliates. All rights reserved.

This software and related documentation are provided under a license agreement containing restrictions on use and disclosure and are protected by intellectual property laws. Except as expressly permitted in your license agreement or allowed by law, you may not use, copy, reproduce, translate, broadcast, modify, license, transmit, distribute, exhibit, perform, publish or display any part, in any form, or by any means. Reverse engineering, disassembly, or decompilation of this software, unless required by law for interoperability, is prohibited.

The information contained herein is subject to change without notice and is not warranted to be error-free. If you find any errors, please report them to us in writing.

If this software or related documentation is delivered to the U.S. Government or anyone licensing it on behalf of the U.S. Government, the following notice is applicable:

U.S. GOVERNMENT RIGHTS
Programs, software, databases, and related documentation and technical data delivered to U.S. Government customers are "commercial computer software" or "commercial technical data" pursuant to the applicable Federal Acquisition Regulation and agency-specific supplemental regulations. As such, the use, duplication, disclosure, modification, and adaptation shall be subject to the restrictions and license terms set forth in the applicable Government contract, and, to the extent applicable by the terms of the Government contract, the additional rights set forth in FAR 52.227-19, Commercial Computer Software License (December 2007). Oracle USA, Inc., 500 Oracle Parkway, Redwood City, CA 94065.

This software is developed for general use in a variety of information management applications. It is not developed or intended for use in any inherently dangerous applications, including applications which may create a risk of personal injury. If you use this software in dangerous applications, then you shall be responsible to take all appropriate fail-safe, backup, redundancy and other measures to ensure the safe use of this software. Oracle Corporation and its affiliates disclaim any liability for any damages caused by use of this software in dangerous applications.

Oracle is a registered trademark of Oracle Corporation and/or its affiliates. Other names may be trademarks of their respective owners.

This software and documentation may provide access to or information on content, products and services from third parties. Oracle Corporation and its affiliates are not responsible for and expressly disclaim all warranties of any kind with respect to third party content, products and services. Oracle Corporation and its affiliates will not be responsible for any loss, costs, or damages incurred due to your access to or use of third party content, products or services.
Chapter 8  Uninstalling Oracle Agile Plug-IN

Removing Target Instances of the Plug-in ......................................................... 27
Undeploying the Plug-in ...................................................................................... 27
Deleting the Plug-in ........................................................................................... 28
Preface

The Agile PLM documentation set includes Adobe® Acrobat PDF files. The Oracle Technology Network (OTN) Web site http://www.oracle.com/technology/documentation/agile.html contains the latest versions of the Agile PLM PDF files. You can view or download these manuals from the Web site, or you can ask your Agile administrator if there is an Agile PLM Documentation folder available on your network from which you can access the Agile PLM documentation (PDF) files.

Note  To read the PDF files, you must use the free Adobe Acrobat Reader version 7.0 or later. This program can be downloaded from the Adobe Web site http://www.adobe.com.

The Oracle Technology Network (OTN) Web site http://www.oracle.com/technology/documentation/agile.html can be accessed through Help > Manuals in both Agile Web Client and Agile Java Client. If you need additional assistance or information, please contact support http://www.oracle.com/agile/support.html (http://www.oracle.com/agile/support.html) for assistance.

Note  Before calling Oracle Support about a problem with an Agile PLM manual, please have the full part number, which is located on the title page.

TTY Access to Oracle Support Services

Oracle provides dedicated Text Telephone (TTY) access to Oracle Support Services within the United States of America 24 hours a day, 7 days a week. For TTY support, call 800.446.2398. Outside the United States, call +1.407.458.2479.

Readme

Any last-minute information about Agile PLM can be found in the Readme file on the Oracle Technology Network (OTN) Web site http://www.oracle.com/technology/documentation/agile.html

Agile Training Aids

Go to the Oracle University Web page http://www.oracle.com/education/chooser/selectcountry_new.html for more information on Agile Training offerings.

Accessibility of Code Examples in Documentation

Screen readers may not always correctly read the code examples in this document. The conventions for writing code require that closing braces should appear on an otherwise empty line; however, some screen readers may not always read a line of text that consists solely of a bracket or brace.

Accessibility of Links to External Web Sites in Documentation

This documentation may contain links to Web sites of other companies or organizations that Oracle does not own or control. Oracle neither evaluates nor makes any representations regarding the accessibility of these Web sites.
AGILE PLM Monitoring Guide 10g Release 4 (10.2.0.4.0)

This document introduces AGILE PLM Monitoring using Oracle Enterprise Manager Grid Control. It guides you through the process of creating and configuring AGILE Landscape targets and discusses AGILE transactions. It provides the following information:

- Introduction to AGILE PLM Monitoring with Oracle Enterprise Manager Grid Control on page 3
- Monitoring AGILE Targets on page 7
- Configuring AGILE Landscape Targets on page 9
- Installing Oracle Agile Plug-In on page 11
- Reports on page 15
- AGILE Metrics on page 23
- Uninstalling Oracle Agile Plug-In on page 27
Chapter 2

Introduction to Agile PLM Monitoring with Oracle Enterprise Manager Grid Control

This chapter includes the following:

- Overview ................................................................. 3
- Release Support ......................................................... 3
- System Requirements .................................................. 3
- Installing Oracle Enterprise Manager Grid Control 10g Release 4 ........................................... 4
- Setting Credentials in Oracle Enterprise Manager ................................................................. 5
- Granting Logon ................................................................ 5
- Additional Sources of Information ................................................................. 6

Overview

The AGILE PLM Plug-in for Oracle Enterprise Manager 10g provides multi-instance AGILE PLM monitoring designed to deliver comprehensive, efficient, and vital health status information. The plug-in provides Enterprise Manager with performance metrics, availability, and end-user experience monitoring for AGILE PLM applications.

Release Support

The Oracle Agile Plug-in supports Oracle Agile PLM Release 9.3 or later.

The plug-in also supports the following releases of Oracle Enterprise Manager Agent:

- Release 10.2.0.4
- Release 10.2.0.3

Note  Oracle recommends Oracle Enterprise Manager Agent Release 10.2.0.4.

System Requirements

Before configuring Grid Control 10g Release 4 (10.2.0.4) to manage AGILE applications, you must:

- Install and configure Grid Control 10gR4 and 10g Release 2 (10.2.0.2) on at least one host computer on the network.

- Install the Grid Control components on their own host or hosts. For example, if you install AGILE monitoring middle tier on host1.us.oracle.com, then install and configure the Oracle Management Service and Oracle Management Repository on host2.us.oracle.com.
Install the Grid Control 10.4 Oracle Management Agent on every host that includes components that you want to manage with Grid Control.

Refer to *Oracle Enterprise Manager Basic Installation and Configuration for Oracle Enterprise Manager Grid Control 10.2* at: [http://www.oracle.com/technology/documentation/oem.html](http://www.oracle.com/technology/documentation/oem.html)

**Before installing the Oracle Agile Plug-in:**

1. Install Oracle Enterprise Manager Agent Release 10.2.0.3 or later. Make sure the agent can successfully communicate with Oracle Enterprise Manager Server and upload data. For example, Agent Availability must be UP, Last Load Time must show a recent date/timestamp, and ensure to update the Last Load Time periodically.

2. Install Oracle Agile PLM Release 9.3 or later.

   **Note** The Oracle Enterprise Manager Agent need not reside on the same machine as the Oracle Agile PLM.

While you are installing Oracle Agile Plug-in, you need to know:

- The Host of Agile PLM instance.
- The JMX Port Number of the Agile PLM instance.
- If you are enabling authentication for JMX on Agile PLM instance, you require the JMX Username and the JMX Password.
- The Communication Protocol of Agile PLM instance.
- The Service Name of Agile PLM instance.
- If you are enabling SSL for JMX on Agile PLM instance, you require the SSL Trust Store and the SSL Trust Store JMXPassword.
- The Agile Version of the Agile PLM instance (Not mandatory).

   **Note** Ensure to load the Agile PLM instance.

Note that the:

- Installer hard codes the Port Number while installing Agile PLM
- Port number for Agile PLM - 9899
- Port Number for Apache Tomcat - 9898
- Default Communication Protocol and Services names are rmi and jmxrmi.

**Installing Oracle Enterprise Manager Grid Control 10g Release 4**

Before configuring Grid Control 10g Release 4 (10.2.0.4) to manage AGILE application, Oracle recommends that you install the Grid Control components on their own host or hosts. For example, if you install AGILE on host1.us.oracle.com, then install and configure the Oracle Management Service and Oracle Management Repository on host2.us.oracle.com.
Install the Grid Control 10.2 Oracle Management Agent on every host that includes the components you want to manage with Grid Control.

Refer the Enterprise Manager Grid Control Installation and Basic Configuration guide for details on performing these steps.

To enable the AGILE Services tab:
1. Enable AGILE Services under the Targets tab. The Preferences page appears.
2. Click Preferences located at the top-right corner.
3. Click the Target Subtabs link located on the left pane. The Target Subtabs page appears.
4. Select AGILE PLM Services from Available Target Subtabs and move it to the Selected Target Subtabs by clicking the Move arrow.
5. Click Finish.

Setting Credentials in Oracle Enterprise Manager

You need to set credentials in Oracle Enterprise Manager for the user that the agent runs as. Either you can set default credentials (credentials are the same for all agents) or you can set different credentials for each agent (target credentials). Target credentials override default credentials.

To set credentials:
1. Click Preferences in the Oracle Enterprise Manager home page.
2. Click Preferred Credentials.
3. Click the icon in the Set Credentials column in the row for the agent.
4. The Agent Preferred Credentials page appears. Enter default and target credentials by entering the operating system username and password for the agent.
5. In the Host UserName column, enter username.
6. In the Host Password column, enter password.
7. Click Apply.

Granting Logon

Set credentials for agents by setting the host username and host password in Oracle Enterprise Manager Grid Control. On Windows, you need to grant to the host username the Logon as a batch job privilege.

For more information on setting credentials, see Setting Credentials in Oracle Enterprise Manager on page 5.

To grant the Logon as a batch privilege on Windows:
1. Set the control panel to classic view.
2. From the desktop, choose Start > Control Panel > Administrative Tools.
3. Double click Local Security Policy.
4. Click Local Policies.
5. Click User Rights Assignment.
6. Double-click Log on as a Batch Job. The Log on as a Batch Job Properties dialog appears.
7. Click Add User or Group. The Select Users or Group dialog appears.
8. Enter the username of the host in Enter the Object Names to Select dialog.
9. Click OK.

### Additional Sources of Information

Refer the documentation listed below for additional information about AGILE monitoring. The base documentation is applicable in many cases, because the AGILE Monitoring leverages many of Enterprise Manager’s underlying capabilities.

**Enterprise Manager - Provides Overall information on the Concepts Guide capabilities of Oracle Enterprise Manager Grid Control**

- System Monitoring - Setting up Thresholds and Alerts
- Information Publisher Creating Custom Reports
- Enterprise Manager Grid - All Installing Enterprise Manager Control
- Installation and Grid Control Server and Agents Basic Configuration
- Enterprise Manager Advanced Configuration - All Advanced Configuration Topics
- Sizing and Maximizing Capacity Planning and Tuning the Performance of for Oracle Enterprise Manager

Refer the URB below to access documents mentioned in the table from Oracle Technology Network (OTN): [http://www.oracle.com/technology/documentation/oem.html](http://www.oracle.com/technology/documentation/oem.html)
Chapter 3

Monitoring Agile Targets

This chapter includes the following:

- Prerequisites for Monitoring Agile Targets

Oracle Enterprise Manager Grid Control 10gR4 enables the monitoring of AGILE PLM applications along with other Oracle and non-Oracle technologies through a single Oracle Enterprise Manager Grid Control console. It provides:

- Centralized, multi-tier, multi-instance AGILE PLM monitoring
- Discovery of AGILE PLM servers and instances for each monitored SID
- Comprehensive, efficient, and secure health status data collection
- End-user experience monitoring for AGILE PLM application modules
- AGILE PLM business service dashboards and performance trend reports

Note  Use of this capability requires AGILE PLM Plug-in for Oracle Enterprise Manager 10g. Use of other Oracle Enterprise Manager capabilities may require additional licenses.

Prerequisites for Monitoring Agile Targets

After deploying AGILE, perform the following steps to monitor an AGILE target by using Enterprise Manager Grid Control:

- Install Enterprise Manager Grid Control with licenses.
- You must install EMGC 10.2.0.2.0 before you upgrade to 10.2.0.4.0. Refer Installing Oracle Enterprise Manager Grid Control 10g Release 4 on page 4 for details.
- Name the queues OEM_AGENTS and OEM_METRICS.
- Install Enterprise Manager 10g R4 agent on the machine where you install the plug-in.
Adding an AGILE Landscape

AGILE Landscape enables administrators to organize distributed targets for efficient and effective management and monitoring.

To create an AGILE Landscape, perform the following steps:

1. Click the Targets tab, from the Enterprise Manager Console.
2. Click the AGILE tab.
3. Click the Add button. The Add AGILE Landscape page appears.
4. Define values for all the parameters.
5. Click OK.

The progress page notifies you when AGILE Landscape and its associated targets are created.

Removing Application Instances from an Existing Landscape

After creating an AGILE Landscape and associated targets, you can manually remove individual application instances from that Landscape. This, however, deletes the respective target information from the Enterprise Manager repository.

**Note** After you delete an entry, Enterprise Manager does not monitor that target anymore.

Listed below are the two possible paths for manually removing application instances from an existing Landscape:

**Path 1**

1. Go to the All Targets tab.
2. Locate the application instances you want to delete.
3. Check the Select option.
4. Click the Remove button.
Path 2

5. Go to the AGILE Applications tab.
6. Select AGILE Landscape View.
7. Navigate to the enterprise that you want to remove.
8. Check the Select option.
9. Click the Remove button.

This option removes the AGILE server, targets, and all the instances of the application.
Chapter 5

Installing Oracle Agile Plug-In

This chapter includes the following:

- Importing a Plug-in ................................................................. 11
- Deploying the Plug-in .............................................................. 12
- Creating a Target Instance ....................................................... 12

Importing a Plug-in

Plug-ins define and deploy an agent to manage and monitor a target. Before you begin the import process, you need to download and install the Oracle Agile Plug-in and save the plug-in file (agilePlugin.jar) to the machine where the browser is running.

You can now log in to the Oracle Enterprise Manager Grid Control from the browser.

To import plug-ins:

1. Log in to the Oracle Enterprise Manager Grid Control.
2. Enter username and password of the Super Administrator in the Username and Password columns.
3. Press Return or click Login. The Oracle Enterprise Manager Grid Control Home page appears.
4. Click Setup. The Oracle Enterprise Manager Setup page appears.
7. Click Browse to locate the agilePlugin archive file.
   The agilePlugin archive file is the .jar file you have downloaded. The file is located in the file system where the browser resides. (For example, if the browser resides on the Windows platform, you can locate the file on the desktop or in one of the folders on the drive).
8. Select the file. You see the path and filename of Agile plug-in jar file in the text field named Management Plug-in Archive.
9. Click List Archive.
   The Management Plug-in Archive (MPA) plays an important role at various stages of the Management Plug-in lifecycle. It serves the following functions.
   - It acts as a transport mechanism between the development environment and the Enterprise Manager framework.
   - It acts as a transport mechanism between different Enterprise Manager installations.
   - It acts as a container for the Management Plug-in. A MPA may contain multiple...
Management Plug-ins.

10. Check the Select option. You can now Import the Agile Plug-in.

11. Click the OK button.

   The process of importing the Agile Plug-in begins.

On completion, the Setup page displays the message: “One Management Plug-in has been successfully imported”. You can now deploy the Agile Plug-in to one or more agents.

**Deploying the Plug-in**

Deploying the Oracle Agile Plug-in to one or more agents begins the process of monitoring the target. After successfully deploying the plug-in, you can configure Agile Server as one of the targets for the agent. The agent then begins the process of monitoring the target.

**To deploy the plug-in:**

1. Ensure you are in the Oracle Enterprise Manager Setup page.

   A table displays several columns containing information about the plug-in. For example, the name column displays Agile, Deployed Agents column displays 0 (if you have not previously deployed one or more agents), Description column displays Management Plug-in for Oracle Agile PLM.

2. Check the Select column.


4. Click Add Agents. A dialog appears. You can now search for the known agents.

5. Click Go.

6. Check the Select option for each agent you wish to deploy the plug-in to, from the list of agents.

7. Click the Select button. A list of deployment agents appears.

8. Click Next. The Deploy Management Plug-in: Review page appears. This page briefly describes the deployment process.

9. Click Finish.

   The Setup page displays the message: “Deploy operation completed”. The number of agents deployed appears in the Deployed Agents column.

   You are now ready to create a target instance.

**Creating a Target Instance**

You can create a target instance of the Oracle Agile Plug-in on one or more agents and for each unique Agile PLM Server. You can configure Agile Server as one of the targets for the agent and the agent begins the process of monitoring the target.

1. Click Agents on the Setup page.

2. The Agents page appears. A list of the agents you deployed the plug-in to appears.

3. Select and click the Agent link. The Agent Name page appears.
4. Click the Add drop-down list and select Agile PLM.

5. Click Go.

6. The Add Agile PLM page appears. Enter values for the properties.

   - **To add Agile PLM,**
     - Select Agile PLM from the Add drop-down menu. Click Go.
     - Enter Name, IP address, JMX Port Number, Communication Protocol, Service Name, Version, and other relevant Appserver details. Click Go.

   - **To add Apache Tomcat,**
     - Select Apache Tomcat from the Add drop-down menu. Click Go
     - Enter Name, IP address, JMX Port Number, Communication Protocol, Service Name, Version, and other relevant File server details.

   In the Name column, you create a target instance name. Define the name as a meaningful identifier. (For example, Agile93PLM_hostname_instance). The name can be any string including letters, numbers, and special characters.

1. Enter the target instance name in the Name column.

2. Enter the host name of the Agile PLM instance in the Host column.

3. Enter the port number in the JMX Port Number column.

4. If you enable authentication,
   - Enter the JMX username in the JMX User Name column.
   - Enter the JMX password in the JMX Password column.
   - Enter the protocol in the Communication Protocol.
   - Enter the name in the Service Name column.

5. If you enable SSL,
   - Enter the SSL trust in the SSL Trust Store column.
   - Enter the JMXPassword in the SSL Trust Store JMXPassword column.

6. Enter the version of the Agile PLM instance in the Agile Version column.

7. Click OK.

You can now view information about the created target instance.
Available Reports

With Tomcat and Enterprise Manager, you can do either real-time monitoring or historical monitoring. The administrators can then view these reports to monitor the health of targets. With each Tomcat installation, you must configure the AGILE monitoring probe that provides metric details to the Tomcat hub. When you install EM agent, the agent receives alerts and messages from the EM queue and stores the statistics in the EM repository.

You have three options for types of reports:

- 24 hours - provides the statistics for last 24 hours
- Seven days - provides the statistics for a week
- 31 days - provides the statistics for last 31 days

Generating Reports

Reports generate from the metric information that you collect and store in the Oracle Enterprise Manager repository. Reports display detailed information as per pre-defined criteria, help monitor and analyze performance, and track usage. You can view Reports at the end of the process.

To generate reports:

1. Click the Oracle Enterprise Manager Home page.
2. Select the host name.
3. Click Targets.
4. Click the Reports button. The Report Definition page appears.
7. Select a Target.
8. In the Search and Select Targets page, enter Agile PLM in the Target type field.
9. Click Go.
10. Select the Target and click Continue. A graphic display of the Report appears. The report
displays a graph of
• Users: Logon Users
• Sessions: Logon Sessions.

Listed below are the categories of Reports.

- Agile Chart Reports
- Deployment and Config
- Enterprise Manager Setup
- Monitoring
- Security
- Storage

**Scenario - Agile Concurrent User Usage Report**

Enterprise Manager provides a powerful reporting framework called Information Publisher. Agile Concurrent User Usage Report is based on this framework and shows the concurrent user numbers by day.

An example of an Agile Concurrent User Usage Report.

![Agile Concurrent User Usage Report](image)

**Performance Summary**

Given below is a graphic display of the Performance Summary View.
Chapter 6: Reports

CPU Utilization

Memory Utilization

Additional Metrics

Swap Utilization (%)  1.84

Additional Metrics

Paging Activity
Disk Utilization

Given below is a graphic display of the CPU Details View.

CPU Details

Given below is a graphic display of the CPU Details View.

CPU Utilization
CPU Load

Top 10 Processes (ordered by Memory)

<table>
<thead>
<tr>
<th>Command</th>
<th>Resident Size (KB)</th>
<th>Virtual Size (KB)</th>
<th>CPU Utilization (%)</th>
<th>Owner</th>
<th>Process ID</th>
</tr>
</thead>
<tbody>
<tr>
<td>oracle</td>
<td>604,308</td>
<td>610,380</td>
<td>0</td>
<td>N/A</td>
<td>172</td>
</tr>
<tr>
<td>java</td>
<td>128,324</td>
<td>126,692</td>
<td>0</td>
<td>N/A</td>
<td>3120</td>
</tr>
<tr>
<td>Rtvscan</td>
<td>60,988</td>
<td>49,744</td>
<td>0</td>
<td>N/A</td>
<td>524</td>
</tr>
<tr>
<td>emagent</td>
<td>58,608</td>
<td>60,796</td>
<td>0</td>
<td>N/A</td>
<td>188</td>
</tr>
<tr>
<td>java</td>
<td>54,944</td>
<td>58,308</td>
<td>0</td>
<td>N/A</td>
<td>3840</td>
</tr>
<tr>
<td>Apache</td>
<td>44,223</td>
<td>53,720</td>
<td>0</td>
<td>N/A</td>
<td>536</td>
</tr>
<tr>
<td>emagent</td>
<td>35,232</td>
<td>43,128</td>
<td>0</td>
<td>N/A</td>
<td>3800</td>
</tr>
<tr>
<td>java</td>
<td>33,572</td>
<td>38,604</td>
<td>0</td>
<td>N/A</td>
<td>3160</td>
</tr>
<tr>
<td>webcached</td>
<td>33,072</td>
<td>47,444</td>
<td>0</td>
<td>N/A</td>
<td>3180</td>
</tr>
<tr>
<td>java</td>
<td>31,144</td>
<td>33,736</td>
<td>0</td>
<td>N/A</td>
<td>3204</td>
</tr>
</tbody>
</table>

Memory Details

Given below is a graphic display of the Memory Details View.
Memory Utilization

Current Memory Utilization (%) \(\checkmark 81.72\)

Swap Utilization

Current Swap Utilization (%) \(\checkmark 1.15\)

Processes

Current Swap Utilization (%) \(\checkmark 1.15\)
Disk Details

Given below is a graphic display of the Disk Details View.

Disk I/O Utilization

<table>
<thead>
<tr>
<th>Disk I/O Utilization</th>
</tr>
</thead>
<tbody>
<tr>
<td>200</td>
</tr>
<tr>
<td>100</td>
</tr>
<tr>
<td>0</td>
</tr>
<tr>
<td>5:54 6:00 6:05 6:10</td>
</tr>
<tr>
<td>May 15, 2009</td>
</tr>
</tbody>
</table>

**Total I/Os per second: 161.69**

Longest I/O Service Time

<table>
<thead>
<tr>
<th>Longest I/O service time (ms)</th>
</tr>
</thead>
<tbody>
<tr>
<td>30</td>
</tr>
<tr>
<td>15</td>
</tr>
<tr>
<td>0</td>
</tr>
<tr>
<td>5:54 6:00 6:05 6:10</td>
</tr>
<tr>
<td>May 15, 2009</td>
</tr>
</tbody>
</table>

**Longest Service Time (ms): 9.9**
Chapter 7

AGILE Metrics

This chapter includes the following:

- About Agile Metrics........................................................................................................... 23
- Viewing Performance Metrics for Agile PLM................................................................. 24

About Agile Metrics

This section provides descriptions for all AGILE metrics that you monitor. The table below lists and describes the metrics.

AGILE Metrics

<table>
<thead>
<tr>
<th>Metric</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Maximum CPU Usage (%)</td>
<td>The maximum usage of CPU usage.</td>
</tr>
<tr>
<td>Maximum DB time (ms)</td>
<td>Usage of database time for single dialog program.</td>
</tr>
<tr>
<td>Maximum Dialog Response Time (ms)</td>
<td>Average dialog response time.</td>
</tr>
<tr>
<td>Actual Number of Users</td>
<td>The current number of users logged in to the AGILE system.</td>
</tr>
</tbody>
</table>

There exists the current numbers of users system wide and for each application server instance

<table>
<thead>
<tr>
<th>Metric</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Maximum usage of extended memory(%)</td>
<td>The maximum usage of extended memory.</td>
</tr>
<tr>
<td>Minimum for program</td>
<td>Hit ratio of Program buffer.</td>
</tr>
<tr>
<td>buffer hitratio (%)</td>
<td></td>
</tr>
<tr>
<td>Waiting Queue for dialog process</td>
<td>The dispatcher queue that measures the number of dialog process requests waiting for a free dialog process. This should be zero in an optimally tuned landscape (SID).</td>
</tr>
<tr>
<td>Hit Ratio Table</td>
<td>Hit ration table definition.</td>
</tr>
<tr>
<td>Definition</td>
<td></td>
</tr>
<tr>
<td>Maximum% of memory paged out</td>
<td>Paging out rate.</td>
</tr>
<tr>
<td>Maximum usage of roll</td>
<td>Maximum usage of roll area.</td>
</tr>
</tbody>
</table>
The Oracle Agile Plug-in collects and displays information and performance metrics for the target Agile PLM including:

- Agile Information on page 24
- User Usage on page 25
- Response Information on page 25

The Oracle Enterprise Manager All Metrics page displays metric information.

To navigate to the All Metrics page:
1. Click Targets on the Oracle Enterprise Manager Home page. The Hosts page appears.
2. Select the Host name.
3. Click Targets.
4. Click the target instance - Agile PLM.
5. The Agile page appears, displaying information about the Server.
6. Click All Metrics from the list of options.
7. The Oracle Enterprise Manager Metrics page displays menu options for Agile Information, User Usage and Response.

### Agile Information

To view information about Agile PLM, click About Agile on the Oracle Enterprise Manager Metrics page.

The page displays the following information about Agile PLM.

<table>
<thead>
<tr>
<th>Name</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Agile Version</td>
<td></td>
</tr>
<tr>
<td>Application Server Type</td>
<td></td>
</tr>
<tr>
<td>Application Server Version</td>
<td></td>
</tr>
<tr>
<td>DB Server Type</td>
<td></td>
</tr>
<tr>
<td>DB Server Version</td>
<td></td>
</tr>
<tr>
<td>Server License</td>
<td></td>
</tr>
<tr>
<td>Update Version</td>
<td></td>
</tr>
<tr>
<td>Web Server Name</td>
<td></td>
</tr>
</tbody>
</table>
Chapter 7: AGILE Metrics

User Usage

To view Agile PLM user usage information, click User Usage on the Oracle Enterprise Manager Metrics page.

The User Usage page displays the following information.

<table>
<thead>
<tr>
<th>Name</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Users</td>
<td>Logon User Number</td>
</tr>
<tr>
<td>Sessions</td>
<td>Logon User Sessions Number</td>
</tr>
</tbody>
</table>

Response Information

To view response information, click Response on the Oracle Enterprise Manager Metrics page.

The Response page displays response information for the Server including:

- Status (up or down)
- Response time (sec).
Removing Target Instances of the Plug-in

To remove Target Instances of the Plug-in:

1. Click **Targets** on the Navigation bar of the home page. The Host page appears.
2. Click **All Targets**.
3. The All Targets page that displays a list of all targets in the Oracle Enterprise Manager Grid Control including hosts, agents, and databases.
4. Select the target instance option - **Agile PLM**.
5. Click **Remove**.
6. You see the warning message: "You have chosen to remove Target_instance_name (Agile PLM). Do you wish to proceed"?
7. Click **Yes**. A confirmation message: "Target_instance_name (Agile PLM) has been deleted" appears.

Repeat Steps 1-5 to remove additional target instances of the Oracle Agile Plug-in. On removing all target instances, you can undeploy and delete the Oracle Agile Plug-in from the Oracle Enterprise Manager Grid Control.

You must remove all target instances of the plug-in before you can undeploy the plug-in. For example, if you have three Agile PLM Servers (three target instances) and you deploy two Servers to one agent and the third Server to a second agent, you must:

- Remove Server 1 (the target instance) on agent 1.
- Remove Server 2 (the second target instance) on agent 1.
- Remove Server 3 (the third target instance) on agent 2.

You then undeploy and delete the plug-in from the Oracle Enterprise Manager Grid Control.

Undeploying the Plug-in

Ensure to remove all target instances of the plug-in before you undeploy the Oracle Agile Plug-in from the agents. For more information on the steps to remove a target instance, see _Removing Target Instances of the Plug-In_ on page 27.
You can undeploy the Oracle Agile Plug-in from the Setup Menu.

To undeploy the plug-in:

1. Click Setup from the Navigation bar. The Oracle Enterprise Manager Setup page appears.
2. Click Management Plug-ins from the Overview of Setup panel section. The Management Plug-ins page appears.
3. Select the Agile option.
4. Click the Undeploy icon. The Undeploy Management Plug-in page appears.
5. Select the deployed agents you want to undeploy.
6. Click OK.
   
   The Setup page displays the message: "Undeploy operation completed". The Deployed Agents column displays 0.
   
   You have successfully undeployed agents from the Oracle Agile Plug-in. You can now delete the plug-in from the Oracle Enterprise Manager Grid Control.

Deleting the Plug-in

Delete the plug-in implies removing the plug-in from the Oracle Enterprise Manager Grid Control.

To delete the plug-in:

1. Select the row for the plug-in Agile, in the Management Plug-ins page.
2. Click Delete.
3. Confirm the prompt message: "Are you sure you want to delete the following Management Plug-ins?"
4. Click OK.
   
   A confirmation message: "One Management Plug-in was successfully deleted" appears. You have successfully deleted the Agile Plug-in.