

# Oracle® Enterprise Manager

Release Notes for System Monitoring Plug-ins

Release 3 (3.0)

B28199-04

December 2006

---

These release notes list the System Monitoring Plug-ins that are documented, describe how to access the documentation, and how to install a plug-in. These release notes also describe known issues and limitations.

## Documentation Description and Access

This document contains release notes for the following System Monitoring plug-ins:

- F5 BIG-IP Local Traffic Manager
- Microsoft SQL Server

You can access the documentation for the System Monitoring Plug-ins from the Oracle Technology Network (OTN). Alternatively, if you have a DVD, launch the index.htm file from a browser. You can find data sheets, the certification matrix, and other documentation in the OTN under Enterprise Manager and in Metalink.

## What is New

This section provides a summary of the new features in this release of System Monitoring Plug-ins.

### What is New in Microsoft SQL Server Plug-in

#### **Microsoft SQL Server 2005 Monitoring**

Enables you to monitor Microsoft SQL Server 2005.

#### **Support for Microsoft SQL Server 2005 Driver for JDBC**

Supports Microsoft SQL Server 2005 Driver for JDBC to connect to Microsoft SQL Server 2000 and Microsoft SQL Server 2005

#### **Event Log Entry Metric for Microsoft SQL Server 2005**

After the first successful collection of event logs, subsequent collections are restricted to newly generated events.

#### **Credentials for Running Enterprise Manager Job**

Support for providing Database User (Normal or Sysadmin), Agent OS User, and Database Host User credentials for running Enterprise Manager Jobs against SQL Server Database targets.

#### **Target Discovery Needs Less Entries**

**SQL Server Host** and **SQL Server Name** entries are no longer required for the discovery of targets.

#### **Alert Support for All Metrics**

Supports alerts for all metrics including Database Job and Database Backup.

#### **Oracle Enterprise Agent Process Owner Does Not Require Microsoft SQL Server System Privileges**

For remote Agent monitoring, unlike with the earlier versions, Oracle Enterprise Manager Agent process owner does not require any privileges on the remote Microsoft SQL Server system.

#### **User Does Not Require Administrator Privileges on Remote Microsoft SQL Server System**

For remote Agent monitoring, unlike with previous versions, **System Username** (provided for discovery and monitoring of SQL Server target) need not have administrator privileges on remote SQL Server System/OS.

Note that this applies when directions provided in the section "Configuring the Remote Connection" of Installation Guide are followed.

### **What is New in F5 BIG-IP Local Traffic Manager Plug-in**

#### **Credentials for Running EM Jobs**

Support for providing F5 Big-IP Local Traffic Manager User and Agent OS User credentials for running EM Jobs against F5 Big-IP Local Traffic Manager target.

### **Installing a Plug-in**

You can download the System Monitoring plug-in archives from OTN by clicking Downloads, then Enterprise Manager. If you have a DVD, the plugin\_archives directory contains the necessary plug-in archives to install each of the plug-ins.

To install a plug-in, do the following:

1. Copy or Save the desired plug-in archive to your desktop.
2. Launch the Enterprise Manager Grid Control console using a browser on your desktop.
3. Follow the instructions outlined in the System Monitoring Plug-in Installation Guide for your particular plug-in.

### **Prerequisites for the Microsoft SQL Server Plug-in**

To use the Microsoft SQL Server plug-in, you need to do one of the following:

- Install this version on Oracle Enterprise Manager Windows Agent version 10.2.0.3.

or
- Apply a one-off patch on Oracle Enterprise Manager Windows Agent version 10.2.0.2. Refer to Oracle Metalink and Oracle bug #5587980 for more information.

or

- Apply a one-off patch on Oracle Enterprise Manager Windows Agent version 10.2.0.1. Refer to Oracle *Metalink* and Oracle bug #5587980 for more information.

## Known Issues

The following sections describe known issues that exist for this release.

### Universal Bugs and Limitations

The following generic Enterprise Manager Grid Control bugs and limitations impact all System Monitoring plug-ins.

- **Oracle Bug #4736085 — Error message is shown while undeploying the target**

An inconsistent error state occurs if you undeploy System Monitoring plug-ins from multiple Agents if any Agent has preferred credentials set incorrectly.

- **Cause** — If you first attempt to undeploy plug-ins from multiple Agents, but some Agents do not have the preferred credentials set, an expected error message appears. However, if you then attempt to undeploy from Agents that have the correct credentials set, caching problems continue to show the same error message.
- **Workaround** — If you encounter this problem, log out and log back in. Navigate to the Undeploy Management Plug-ins page, and select only the Agents that have preferred credentials set.

- **Oracle Bug #5219848 — Successive deployments have problems if the first deployment failed**

- **Cause** — Deployment of a plug-in fails on the first attempt on an Agent. Subsequent deployments, though reporting successfully, may not be fully successful. Configuration-related information on the View Configuration page and in reports will display an error.

- **Workaround** — Redeploying the plug-in resolves the problem. Clean up Enterprise Manager and remove all traces of the plug-in as follows:

1. Delete all existing plug-in targets.
2. Undeploy the plug-in.
3. Delete the plug-in.
4. Reimport the plug-in.
5. Freshly deploy the plug-in on an Agent that satisfies all prerequisites.

- **Context-sensitive Help** — None of the System Monitoring plug-ins have context-sensitive online help. This feature will be supported in the future. Plug-in Installation Guides and Metric Reference Manuals available on Oracle Technology Network (OTN) provide all required information.

## Microsoft SQL Server System Monitoring Plug-in Bugs

The following Enterprise Manager Grid Control bugs impact the Microsoft SQL Server plug-in:

- **Oracle Bug #5179581 — Error: Target in broken state - metric collection errors encountered**

---

**Note:** This bug has been fixed for Oracle Enterprise Manager Agent version 10.2.0.3 and higher. You might encounter this issue only for Agent versions lower than 10.2.0.3.

---

- **Cause** — This behavior occurs when target, agent, or both and/or target system become slow or heavily loaded and computation of dynamic properties take longer than the default timeout value.
- **Workaround** — Execute the following command:  
`emctl reload agent dynamicproperties <target name>:<target type>`  
OR  
You can alternatively resubmit the target instance properties:
  1. Click on the Monitoring Configuration link (under the Related Links section on the plug-in target home page).
  2. Reenter the encrypted properties.
  3. Click **OK**.
- **Oracle Bug #5692190 — Data retrieval is not feasible for certain metrics in the case of Microsoft SQL Server 2005 Targets**  
For Microsoft SQL Server 2005 targets monitored with Microsoft SQL Server plug-in version 3.0.2.0.0, collection of certain metrics is not feasible. Therefore you might encounter the following issues:
  - Security section of Microsoft SQL Server System Configuration Report page displays the message **No Data Found**.
  - No data is displayed for some elements in the sections **SQL Server Configuration** and **Registry Setting Configuration** of the **View Configuration** page.
- **Oracle Bug 5680588: Microsoft Case Note SRX061130600013 — Failure to provide data for SQL Server 2000**  
If Microsoft SQL Server 2000 and Microsoft SQL Server 2005 are installed on the same machine, WMI Provider for SQL Server fails to provide data for classes in the namespace `root\MicrosoftSQLServer`.

## F5 BIG-IP Local Traffic Manager Bugs

This release has the following bug fixed for the F5 BIG-IP Local Traffic Manager plug-in:

- **Oracle Bug #5340052 — Test connection with incorrect port and username reports success**

While deploying F5 BIG-IP Local Traffic Manager plug-in version 2.0.1.0.0, test connection using incorrect port and username did not report an error.

## Troubleshooting Plug-ins

The following sections explain how to access troubleshooting information for various plug-ins.

### Troubleshooting Microsoft SQL Server Plug-ins

Document 367797.1 on Oracle *Metalink* provides detailed information on various troubleshooting scenarios that you might encounter while using Microsoft SQL Server plug-in.

To locate document 367797.1:

1. Go to the following URL:

<http://metalink.oracle.com>

2. Click **Advanced** at the top of the Oracle *Metalink* page.

3. Enter 367797.1 in the **Document ID** field and click **Submit**.

## Documentation Accessibility

Our goal is to make Oracle products, services, and supporting documentation accessible, with good usability, to the disabled community. To that end, our documentation includes features that make information available to users of assistive technology. This documentation is available in HTML format, and contains markup to facilitate access by the disabled community. Accessibility standards will continue to evolve over time, and Oracle is actively engaged with other market-leading technology vendors to address technical obstacles so that our documentation can be accessible to all of our customers. For more information, visit the Oracle Accessibility Program Web site at <http://www.oracle.com/accessibility/>.

### 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.

### 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, seven days a week. For TTY support, call 800.446.2398.

Copyright © 2006 Oracle. All rights reserved.

The Programs (which include both the software and documentation) contain proprietary information; they are provided under a license agreement containing restrictions on use and disclosure and are also protected by copyright, patent, and other intellectual and industrial property laws. Reverse engineering, disassembly, or decompilation of the Programs, except to the extent required to obtain interoperability with other independently created software or as specified by law, is prohibited.

The information contained in this document is subject to change without notice. If you find any problems in the documentation, please report them to us in writing. This document is not warranted to be error-free. Except as may be expressly permitted in your license agreement for these Programs, no part of these Programs may be reproduced or transmitted in any form or by any means, electronic or mechanical, for any purpose.

If the Programs are delivered to the United States Government or anyone licensing or using the Programs on behalf of the United States 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, use, duplication, disclosure, modification, and adaptation of the Programs, including documentation and technical data, shall be subject to the licensing restrictions set forth in the applicable Oracle license agreement, and, to the extent applicable, the additional rights set forth in FAR 52.227-19, Commercial Computer Software--Restricted Rights (June 1987). Oracle USA, Inc., 500 Oracle Parkway, Redwood City, CA 94065

The Programs are not intended for use in any nuclear, aviation, mass transit, medical, or other inherently dangerous applications. It shall be the licensee's responsibility to take all appropriate fail-safe, backup, redundancy and other measures to ensure the safe use of such applications if the Programs are used for such purposes, and we disclaim liability for any damages caused by such use of the Programs.

Oracle, JD Edwards, PeopleSoft, and Siebel are registered trademarks of Oracle Corporation and/or its affiliates. Other names may be trademarks of their respective owners.

The Programs may provide links to Web sites and access to content, products, and services from third parties. Oracle is not responsible for the availability of, or any content provided on, third-party Web sites. You bear all risks associated with the use of such content. If you choose to purchase any products or services from a third party, the relationship is directly between you and the third party. Oracle is not responsible for: (a) the quality of third-party products or services; or (b) fulfilling any of the terms of the agreement with the third party, including delivery of products or services and warranty obligations related to purchased products or services. Oracle is not responsible for any loss or damage of any sort that you may incur from dealing with any third party.