

Oracle® Enterprise Manager

Release Notes for System Monitoring Plug-In for Sun Oracle Exadata Storage Server

Release 1.0.3.0.0 and 1.1.4.0.0

E13106-04

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Oracle Enterprise Manager System Monitoring Plug-Ins (System Monitoring Plug-Ins) enhance the solutions offered by Enterprise Manager Grid Control by infusing additional capabilities to monitor non-Oracle components, such as third-party databases, third-party middleware, storage, and network devices.

The System Monitoring Plug-In for Sun Exadata Storage Server extends Oracle Enterprise Manager Grid Control (Grid Control) to add support for managing Sun Exadata Storage Server

This document is the Release Notes for System Monitoring Plug-In for Sun Exadata Storage Server.

Note: You can access the latest version of this document at any time from Oracle Technology Network (OTN) available at the following URL.

<http://www.oracle.com/technology/documentation/oem.html>

On the main documentation page, from the table, click **View Library**. On the Enterprise Manager documentation library page, click the **Documentation** tab, and scroll down to see this document in the portlet **System Monitoring Plug-ins**.

You can find the following information in this document:

- [Installing a Plug-In](#)
- [Known Issues](#)
- [Documentation Accessibility](#)

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 Grid Control console using a browser.

3. Follow the instructions outlined in the System Monitoring Plug-In Installation Guide.

Known Issues

This section describes the issues that exist for this release.

Universal Bugs and Limitations

The following generic Grid Control bugs and limitations impact the System Monitoring Plug-In for Sun Exadata Storage Server.

- **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.

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

Note: This bug has been fixed for Oracle Management 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**.
- **Context-sensitive Help** — None of the System Monitoring Plug-ins have context-sensitive online help.
- If you use Enterprise Manager Grid Control 10.2.0.3 or lower, then while adding a plug-in target, you may encounter a warning message on the Add Targets Page even after providing the credentials. On this page, you can provide the credentials and click **Test Connection** to test the connection to the server. However, after successful testing of the connection, when you click **OK** to add the target, you may see a warning message.
 - **Cause** — This is because the page refreshes when **OK** is clicked, but the credentials are not cached and loaded on the page, though some encrypted values are displayed for those fields.
 - **Workaround** — To resolve this issue, re-enter the credentials and then click **OK**.

Known Issues Specific to System Monitoring Plug-In for Sun Exadata Storage Server

Oracle Bug #7037880, 7031995 - Error Displayed When You Click The Performance Data on Performance Reports

The performance reports available from the Reports tab provide performance data in the form of hyperlinks in a table. You can click these hyperlinks to drill down further and view more detailed information about the metric. However, if the Sun Exadata Storage Server target name contains an underscore ("_"), then these hyperlinks displayed in the reports will break and display the following error:

Error: metricColumn - metricColumn page property expected.

To circumvent this issue, either try to avoid using underscores in the name or, if you must use it, then prefix the underscore with an asterisk (*) in the target name. For example, if you must name the target "storage_server", then rename it "storage*_server".

No Performance Data Displayed When Target Monitored in Enterprise Manager 10g Grid Control Release 3 (10.2.0.3)

If you use Enterprise Manager 10g Grid Control Release 3 (10.2.0.3) to monitor Sun Exadata Storage Server, then the performance reports may not display any data.

To circumvent this issue, upgrade Enterprise Manager 10g Grid Control Release 3 (10.2.0.3) to Enterprise Manager 10g Grid Control Release 4 (10.2.0.4).

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