Oracle® GoldenGate

Enterprise Manager Plug-In Release Notes

12*c* (12.1.0.3)

E63071-03

March 2018

This document describes the new features, major changes, and the known issues in the Enterprise Manager Plug-in for Oracle GoldenGate 12*c* (12.1.0.3) release. It includes the following sections:

1 Overview

The Enterprise Manager Plug-in for Oracle GoldenGate extends the Oracle Enterprise Manager (OEM) Cloud Control to support for monitoring and managing Oracle GoldenGate processes including the following:

- Viewing summary of all Oracle GoldenGate release 11g (11.2) and later instances on a single, customizable web page.

- In depth examination into dozens of metric values and metric history.

- Automated notifications and ticket creation through incidents.

- Graphing historical trends of any numerical metric.

- Enhanced EM target promotion; simultaneously promoting all targets in an Oracle GoldenGate instance.

1.1 Home Page

For each process in the instance, the Oracle GoldenGate EM Plug-in home page displays:

- Target name

- Target type, such as Extract or Manager

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- Process status

- The lag in seconds

- Sparkline graphs that display lag trends

- Total operations

- Delta operations

- Delta operations per second

- Incidents

- Time elapsed since last Oracle GoldenGate checkpoint

- Timestamp of last Oracle GoldenGate checkpoint

1.2 Custom Screens

The Oracle GoldenGate EM Plug-in includes custom screens for:

- Customizing the display on the home page. This allows the you to:

  - Indicate that certain Oracle GoldenGate instances should or should not be displayed on the home page.

  - Change the order of instances displayed.

  - Define an alternate display name.

  - Add a description for an instance.

- Promoting Oracle GoldenGate targets. To simplify the promotion of Oracle GoldenGate instances that may include many Extract and Replicat processes, a custom screen displays all of the processes defined for an instance and allows the user to promote all or a subset in a single action.

- To support high availability, the tab was added to Manage Agent home screen.

1.3 Supported Platforms

The Oracle GoldenGate EM Plug-in supports monitoring of the platforms where Oracle GoldenGate 11g (11.2 and later) instances can run with the following exceptions: HP NonStop and DB2 for i.

1.4 Versions Supported

The Oracle GoldenGate EM Plug-in has been certified on the following product releases:

- Enterprise Manager 12*c* Cloud Control Release 1 (12.1.0.3) and later.

- Oracle GoldenGate 11g Release 2 (11.2.1.0.17) and later.

- Oracle recommends that you use Oracle GoldenGate Monitor Agent 12c (12.1.3) with this Oracle GoldenGate EM Plug-in to ensure full functionality.

2 New and Changed Features

This section outlines the new features that are being introduced in Release 12*c* (12.1.0.3) .

- Support for DB2 z/OS was added.

- Support for High Availability replication failovers in a cluster was added.

- The new Manage Agent tab was added to the home page to allow you to set master and slave combinations for high availability.

- For target types Replicat and Extract you can:

  - Control processes using Start, Stop, Kill and Resume actions.

  - View and edit the associated configuration files.

  - View and edit the associated report and discard files.

- Preferred Credentials security for processing control and file operations was enhanced to provide target-level privileges to Administrator Users.

- You can remotely monitor of Oracle GoldenGate using the Oracle GoldenGate Monitor Agent.

- Response Metrics are now categorized under Default/Availability rather than the previous Default/Load category.

3 New and Changed Parameters and Commands

This section contains information about new and updated Oracle GoldenGate EM Plug-in EM Plug-in parameters and Commands as the result of new features or functionality changes in the product for this release.

There are no new parameters or commands in this release.

4 Applicable GGSCI Commands

The following GGSCI commands are applicable to the Oracle GoldenGate:

- `START JAGENT` starts up the JAgent for the Oracle GoldenGate instance.

- `STOP JAGENT` stops the JAgent.

- `INFO JAGENT` and `STATUS JAGENT` indicate whether or not the JAgent is running.

- `CREATE DATASTORE` creates a storage area to hold monitoring information supplied by Oracle GoldenGate Extract, Replicat, and Manager processes.

- `REPAIR DATASTORE` checks that all Extract and Replicat processes are registered and attempts to resolve any internal consistency issues. This should only be used when directed by Oracle Support.

5 Deprecations

- The `OGG_VIEW_DISCARD_FILE` role and log file is deprecated.

- Support for specifying a particular release of Oracle GoldenGate using the `feature_version.xml` file is deprecated because it is set automatically in this release.

6 Installation and Upgrades

The installation file downloaded from Oracle is not compressed using `gzip`, instead it is a standard ZIP file. To uncompress the download, use the following methods:

Windows

Use WinZip or another uncompress method that supports ZIP files.

Linux, Mainframe, UNIX

Use the `unzip` command.

If you do not have these utilities, you can download them from the Oracle UnZip Utilities Download web site at

http://updates.oracle.com/unzips/unzips.html

For installation and upgrade instructions, see *Oracle Enterprise Manager Oracle GoldenGate System Monitoring Plug-In Installation Guide*.

7 Corrected Problems

For questions about specific BugDB bug identification number or Service Request (SR) ticket numbers, contact Oracle Customer Support.

7.1 Release 12.1.0.3.3 — March 2018

BUG 25119374 - ADFC-10001: cannot instantiate class 'oracle.sysman.goldengate.uimodel.bean.Agent.

If the `agentList` variable is Null, then a `NullPointer Exception` occurred. To correct this issue, the exception was handled by adding `If` checks and also handled the unnecessary open issue by closing them properly.

7.2 Release 12.1.0.3.2 — July 2017

Bug 22288706 - Ability manage Big Data adapter process from EM.

If the report and discard file sizes are greater than a page size, then an `Unknown exception ]] java.lang.NumberFormatException For input string` occurred. The `GETFILEINCHUNK` command was modified to correct process the sizes.

Bug 25266530 - Windows report files are not displaying content

An issues with report files not displaying any content on Windows systems was fixed.

Bug 21057078 - OEM continues to display the Preferred credential is not set after setting credentials

An issue with OEM incorrectly refreshing the Preferred credentials when the Extract process has two parents was fixed.

7.3 Release 12.1.0.3.0 — June 2015

Bug 21081841 - EM: Promoting single child target is not working as expected

When promoting a target, all of the matched processes in the instance are returned.

Bug 20563884 - Not able to add GoldenGate targets in OEM privilege propagated group

For a composite target, `is_ propagating = 1` means that its privilege is passed to its member targets. For the oracle_goldengate target `is_propagating` is now set to 1.

Bug 20255354 - Total Ignores and delta ignores is missing from Replicat metrics

Added total ignores and delta ignores for Replicat processes.

Bug 19688486 - Negative value for Delta value

If the current value of a performance MP is zero, its delta value is now also zero.

Bug 19412616 - Better Alert Message whenever GoldenGate target become down

When a target goes down, the message displayed was improved to "Target is DOWN".

Bug 18176892 - Message metric in OEM page does not work correctly

The message metric for GoldenGate targets was removed and Log Monitoring configuration in the targets metadata was added.

Bug 16984726 - JAgent passwords shown in clear text in OEM 12c console

The password field was changed to be secure input in the GoldenGate Discovery Parameter page.

8 Known Issues

For questions on specific bugs or ticket numbers, consult Oracle Customer Support. SR is the Oracle Support SR number, and BugDB is the bug identification number. .

8.1 Release 12.1.0.3.2 — July 2017

Bug 25438821 - After applying the 25185826 patch, an `CommandsManagerException` error may occur while loading logs tabs data

If you encounter this issue, you need to do the following:

1. After applying the agent patch, restart the EM agent.

2. After applying the server patch and if ADF Exceptions and errors occur, you need to remove the corresponding process, and then rediscover it in the Server UI.

9 Getting Help with My Oracle Support

You can use My Oracle Support to find knowledge solutions, workarounds, and other information that is reported by customers, partners, and Oracle employees. My Oracle Support also enables you to open an SR ticket. If a patch is required to resolve an SR, you will receive instructions about how to download it from My Oracle Support.

> **Note:** If you purchased Oracle GoldenGate and support through a distributor, contact your distributor instead of attempting to create a service request through My Oracle Support.

9.1 Viewing the Oracle GoldenGate Knowledge Base

To view the Oracle GoldenGate Knowledge Base, follow these steps:

1. Browse to the My Oracle Support web site at http://support.oracle.com.

2. Select your language and then log in with your email and Oracle password.

3. Click the **Knowledge** tab.

4. In the **Select a product or product line** field, enter **GoldenGate**, and then select an Oracle GoldenGate product from the context-sensitive list to narrow your results. (You may have to wait a few seconds for this list to appear).

5. In the **Enter search terms** field, enter a search keyword or multiple keywords to focus the query.

Additional information about how to use this tab is obtained by clicking **Help**.

9.2 Creating an Oracle GoldenGate SR Ticket

If you cannot find an answer to your question or problem in the Knowledge Base, you can open a support request ticket with Oracle Support by following these steps:

1. Browse to the My Oracle Support web site at `http://support.oracle.com`.

2. Select your language, and then sign in with your credentials. If you have not done so, you will have to register to use this web site.

3. Click the **Service Requests** tab.

4. Click **Create SR**.

5. Use the Create Service Request wizard to complete and submit your SR. Additional information about how to use this tab is obtained by clicking **Help**.

10 Documentation Accessibility

For information about Oracle's commitment to accessibility, visit the Oracle Accessibility Program website at `http://www.oracle.com/pls/topic/lookup?ctx=acc&id=docacc`.

Access to Oracle Support

Oracle customers that have purchased support have access to electronic support through My Oracle Support. For information, visit `http://www.oracle.com/pls/topic/lookup?ctx=acc&id=info` or visit `http://www.oracle.com/pls/topic/lookup?ctx=acc&id=trs` if you are hearing impaired.

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