Oracle® GoldenGate

Patch Set Notes

10.0 for NSK

September 2009

These patch set notes accompany the Oracle GoldenGate 10.0.0.x for NSK patch set. This document contains the following sections:

- Patch Set Overview
- Critical Patch Updates
- Accessing the Latest Version of this Document
- System Requirements
- Preinstallation Tasks
- Installation Tasks
- Known Issues

1 Patch Set Overview

Patch sets are a mechanism for delivering fully tested and integrated product fixes. Patch sets provide bug fixes only; they do not include new functionality and they do not require certification on the target system.

Patch sets include all of the libraries that have been rebuilt to implement the bug fixes in the set. All of the fixes in the patch set have been tested and are certified to work with each other. Because the patch set includes only low impact patches, it does not require you to certify applications or tools against the server.

You can apply the Oracle GoldenGate for NSK release 10.0.0.x patch set to any Oracle GoldenGate 10.0 for NSK installation.

2 Critical Patch Updates

Review the latest Critical Patch Updates, and recent change list, please read the Release Notes.

3 Accessing the Latest Version of this Document

This is the initial documentation release, there are no prior versions.

4 System Requirements

Check your platform-specific installation guide for a list of supported operating systems.

5 Preinstallation Tasks

Complete the following preinstallation tasks before installing the patch set:

- Review Known Preinstallation Issues
- X24 Compatibility Issues
- Default Parameter Changes
- Change in EMS Message Handling by the GGS_EMSMESSAGE procedure
- Improved Installation Procedures
- Definition Required for Enscribe Targets When Replicating Compressed Updates

5.1 Review Known Preinstallation Issues

There are many changes in default parameters, and in the way the some parameters function. Before upgrading to 10.0 you may need to modify your EXTRACT or REPLICAT parameter files. Please follow the documented Installation and Upgrade instructions for this release.

There is a new FORMAT RELEASE version for 10.0. If you are moving data between previous versions, please make sure FORMAT RELEASE is set correctly, or it will default to the new FORMAT RELEASE 10.0 trail format, which is not backwards compatible.

The installation and upgrade procedures for Windows are documented on the support download site. Please follow the procedures at the site to ensure correct installation or upgrade. The following list highlights the significant changes that you will encounter before or during the upgrade process.

5.2 X24 Compatibility Issues

If you are currently running any of the X24 products (D24, E24, N24, M24, T24) you need to also download and install their latest version due to a compatibility issue between GoldenGate for NSK v10 and the prior X24 versions.

5.3 Default Parameter Changes

5.3.1 HOMETERMESSGE Parameter Default Change

We changed the default behavior of the HOMETERMMESSAGE parameter. It is now set to NO by default. This was done due to performance issues especially when the target system is taken down for servicing.

5.3.2 EXACTKEY Parameter Default Change

When a customer accepts the requirements for using ENTRYSEQUPDATES (target file can't be updated by other apps, can't be audited, etc.), they still need to specify EXACTKEY. We changed the system to default EXACTKEY when ENTRYSEQUPDATES is used.

5.3.3 LOGFILEOPENS Parameter Default Change

Currently the default setting for LOGFILEOPENS is 1. We have many customers report either excessive message queuing on their Loggers, or timeouts to their Logger processes, and we always recommend LOGFILEOPENS 8 as one of the strategies for remedying these issues. We decided to stop having these issues and change the default to 8 as we suggest as a best practice setting to our customers. Maximum opens was also increased to 16.

5.3.4 EXITPARAM Length was Increased and Default Changed

The default size was increased to 256 bytes. The EXITPARAM text is null terminated and no longer space filled to 50 bytes.

The parameter file must have the EXITPARAM value as a quoted string with the "&" continuation character for each line.

This requires a recompile of all customer user exits. Customer user exits **_should always_** be recompiled when moving to a different GGS version to avoid problems with changes to the user exit interfaces.

5.3.5 SUPPRESSALTERMESSAGES Behavior Change

By default, when Extract encounters an ALTER in the TMF trail, it reports this to the Extract report. If the ALTER is performed on multiple partitions of the same table, this message would be displayed for every partition, resulting in many ALTER messages for the same table. The SUPPRESSALTERMESSAGES parameter was implemented at the request of a customer who only wanted the first ALTER message for a table to be displayed. When SUPPRESSALTERMESSAGES is specified in the Extract, we will display the first alter message per table, and all other alters for that table will be suppressed in the report display.

There is also a SUPPRESSALLALTERMESSAGES that would suppress even the first message.

5.4 Change in EMS Message Handling by the GGS_EMSMESSAGE procedure

The EMS event message suppression logic has been removed which suppressed duplicate messages generated by GoldenGate in a 30 second window. It now will send all messages to EMS.

5.5 Improved Installation Procedures

ConfProc is a user replaceable TAL function which allows a customer to change the default location for the AUDCFG and, by association, the GGSCPxx segments.

BUILDMAC and NLDLIB now ask if you want to change the default location for AUDCFG. If the user answers yes, they must enter the $VOL.SUBVOL where they want AUDCFG to be. The new CONFMAKE macro will then edit CONFPROC, save it as CONFCSTM and compile it in both TNS and Native mode.

5.6 Definition Required for Enscribe Targets When Replicating Compressed Updates

A TARGETDEF is required on the MAP statement, using a SOURCEDEFS file or DICTIONARY parameter when the data source is either Open Systems (Oracle, SQL Server, DB2, Sybase, etc.) or SQL/MP, or SQL/MX with compressed updates that are being replicated to Enscribe and the target MAP statement does not explicitly use a COLMAP.

6 Installation Tasks

Please follow the Installation and Upgrade Instructions for 10.0 located in a separate document.

7 Known Issues

None identified at this time.