Oracle® Fusion Middleware

Upgrading Oracle GoldenGate for HP NonStop (Guardian)

19*c* (19.1.0.0.0)

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Upgrading Oracle GoldenGate for HP NonStop

This document describes how to upgrade to a new release of the Oracle GoldenGate data replication software for HP NonStop (Guardian).

This topic contains the following section on Upgrading Oracle GoldenGate.

- Upgrading Oracle GoldenGate

Upgrading Oracle GoldenGate

Upgrading Oracle GoldenGate requires three phases: backup, installation, and migration.

- **Backup**: Perform a full backup of your Oracle GoldenGate environment before installing and migrating to the latest Oracle GoldenGate release.
- **Installation**: Install Oracle GoldenGate following the steps in the Installation Guide, *Installing for HP NonStop (Guardian)*. Ensure to specify a new subvolume for your upgraded Oracle GoldenGate instance.
- **Migration**: Once you have installed Oracle GoldenGate, you must migrate to the latest instance. Follow the steps in Migrating from a Previous Release of Oracle GoldenGate to complete the migration.

- Migrating from a Previous Release of Oracle GoldenGate

Migrating from a Previous Release of Oracle GoldenGate

Following are the steps to migrate from a previous release of Oracle GoldenGate:

1. Bring down your current Oracle GoldenGate instance:

```
TACL> RUN GGSCI
GGSCI> STOP SYNCFILE *
GGSCI> STOP REPLICAT *
GGSCI> STOP EXTRACT *
GGSCI> STOP MANAGER
GGSCI> EXIT
```

2. If you plan to `HOTSWAP LOGGER` process(s), then skip this step: `GGSCI> STOP LOGGER`.

3. After you install Oracle GoldenGate, GGSUNPAK prompts you:

```
Would you like to Migrate information from another GGS environment (Y/N): Y
```

4. Enter your previous Oracle GoldenGate volume and subvolume:

```
Enter old OGG vol.subvol or X to quit: $data01.tssoj06n

PID: $Y2VX \THOR.$SYSTEM.SYS21.FUP
STOPPED: $Y2VX
CPU time: 0:00:00.004

Copying OGG data from $DATA01.TSSOJ06N...

PID: $Y2VY \THOR.$SYSTEM.SYS21.FUP
STOPPED: $Y2VY
CPU time: 0:00:00.015
File Utility Program - T6553H02 - (11FEB2015)    System  \THOR
(C)1981 Tandem (C)2014 Hewlett Packard Development Company, L.P.
ALLOW ABENDS ON
ALTER CONTEXT, NO AUDIT
ALTER CONTEXT, AUDIT
ALTER GROUP, NO AUDIT
COPY $DATA01.TSSOJ06N.GROUP, GROUP
1 RECORDS TRANSFERRED
ALTER GROUP, AUDIT
ALTER EXTCTXT, NO AUDIT
COPY $DATA01.TSSOJ06N.EXTCTXT, EXTCTXT
1 RECORDS TRANSFERRED
ALTER EXTCTXT, AUDIT
ALTER REPGRP, NO AUDIT
ALTER REPGRP, AUDIT
ALTER REPCTXT, NO AUDIT
COPY $DATA01.TSSOJ06N.REPCTXT, REPCTXT
3 RECORDS TRANSFERRED
ALTER REPCTXT, AUDIT
ALTER REMCTXT, NO AUDIT
ALTER REMCTXT, AUDIT
ALTER RMTCTXT, NO AUDIT
ALTER RMTCTXT, AUDIT
LOAD $DATA01.TSSOJ06N.LOGGGS, LOGGGS, SORTED
RECORDS LOADED: 609
ALTER LOGCONF, NO AUDIT
ALTER LOGCONF, AUDIT
ALTER MRKRGGS, NO AUDIT
ALTER MRKRGGS, AUDIT
ALTER SYNCGRP, NO AUDIT
ALTER SYNCGRP, AUDIT
ALTER COORDGRP, NO AUDIT
ALTER COORDGRP, AUDIT

PID: $Y2VZ \THOR.$DATA03.TSSOJ06N.SCANGRP
Oracle GoldenGate Checkpoint Conversion
Version 12.2.0.1.4 J06 2018-02-05 Debug System \THOR
Copyright (C) 1995, 2018, Oracle and/or its affiliates. All rights reserved.

Scanning to fixup program, params, report,and process name
Processing GROUP
  Reads        1
```

```
  Updates      1
Processing REPGRP
  Reads        0
  Updates      0
Processing SYNCGRP
  Reads        0
  Updates      0
Processing COORDGRP
  Reads        0
  Updates      0
STOPPED: $Y2VZ
CPU time: 0:00:00.003
Checkpoint conversion successful
Migration successful.

$DATA03 TSSOJ06N 8>
$DATA03 TSSOJ06N 8>
```

5. If you have a running Logger process, then you are asked if you want to HOTSWAP the Logger object.

   ```
   Logger was running during migrate
   Do you want to HOWSWAP logger to the new ENV  (Y?N)
   ```

   If you answer yes, then the program will change to the Logger object running in the migration process installation location.

   > **Caution:**
   >
   > You must coordinate HOTSWAP with any manual steps to upgrade BASELIB as part of the upgrade process.

6. DUP any Obey files you use in your current Oracle GoldenGateenvironment. This step is particularly critical if your Obey files contain table define names or startup/shutdown commands.
7. Recompile your user exits, then rebind them into Oracle GoldenGate. You must perform this step to ensure your user exits work with your newly-installed release of Oracle GoldenGate.
8. Point your applications to the new release of GGSLIB.

   ```
   GGSCI> BIND PROGRAMS, CHANGELIB
   ```

   Enter the list of applications you want to bind.

   Enter your new GGSLIB when prompted.

   Enter GO to bind your new library to your applications.

   ```
   GGSCI> LINK PROGRAMS, CHANGELIB
   ```

9. Restart your Oracle GoldenGate components in your new environment.

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