

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 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

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 LOGGER
GGSCI> STOP MANAGER
GGSCI> EXIT
```

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

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

3. 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
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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>
```

4. 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.

 **Note:**

You can `HOTSWAP` only when migrating from a release 10.0 or later environment. **Caution:** You must coordinate `HOTSWAP` with any manual steps to upgrade `BASELIB` as part of the upgrade process.

5. `DUP` any Obey files you use in your current Oracle GoldenGate environment. This step is particularly critical if your Obey files contain table define names or startup/shutdown commands.
6. 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.

 **Note:**

When you install the new release of Oracle GoldenGate, all program locations are updated to the new default. If Extract or Replicat are expected to run from a specific place, you must manually point to the correct location using the `ALTER` command.

```
TACL> ALTER EXTRACT group_name PROGRAM program_location
```

7. 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
```

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

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