

## 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](#)
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## 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 OOracle 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 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  
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>

```

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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Oracle® Fusion Middleware Upgrading Oracle GoldenGate for HP NonStop (Guardian), 12c (12.2.0.1.4)  
E23007-02

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