

# Installing Oracle GoldenGate

## Practice Overview

In this practice will perform the following:

- Install Oracle GoldenGate on the Oracle Linux appliances that you created in the previous practice
- Get familiar with `ggsci` command prompt



## Installing Oracle GoldenGate Procedure

### A. Download Oracle GoldenGate

1. Download Oracle GoldenGate version 12.2.0.1.

If you Google it, you will easily get it straight away. At the time of this writing, following is the download link:

<http://www.oracle.com/technetwork/pt/middleware/goldengate/downloads/index.html>

If you do not see the version you are after, try Oracle Software Delivery cloud:

<https://edelivery.oracle.com>



## B. Install Oracle GoldenGate on ggsrv1

In the following steps, you will install the Oracle GoldenGate on the ggsrv1 appliance.

2. Create a directory under the `oracle` user home to save the installation files in it.

```
cd
mkdir source
```

3. Using WinScp, copy the installation zip file to the created directory.

4. Unzip the Installation file and change directory to Disk1

```
cd source
unzip V100692-01.zip
cd fbo_ggs_Linux_x64_shiphome/
cd Disk1
```

5. Run the Oracle Universal Installer (OUI) and install an Oracle GoldenGate instance.

You can install Oracle GoldenGate in more than one home on a machine. Each Oracle GoldenGate home is called "Oracle GoldenGate instance".

Because OUI displays GUI windows, it is easier to run it from the Virtual Appliance window rather than from a Putty terminal window. If you want to use Putty, you have to configure the Xming with it.

- a) At the OS terminal prompt, run `./runInstaller` to launch the GUI.  
**Note:** in production, if you do not have access to the OS GUI interface, you can use the Xming utility to direct the Installer windows to a client computer.
- b) At the Installation Option panel, accept the default of Oracle 12c. Click Next.
- c) In the Installation Details panel, **change** the software location to `/u01/app/oracle/product/ogg`
- d) Do **not** select the Start Manager Option. Click Next.
- e) In the Summary panel, click Install. It takes about a couple of minutes.
- f) In the Finish panel, click Close.

## C. Install Oracle GoldenGate on ggsrv2

6. Repeat all the steps in the previous section to install Oracle GoldenGate on ggsrv2 machine. Use the same setting in the Installer wizard.

## D. Open the `ggsci` command prompt and create the subdirectories

7. In each system, set an environment variable (I suggest to call it `GG_HOME`) to point at the Oracle GoldenGate home directory.

**Note:** this variable is not standard. You use it in the course practices to make your live easier when we want to change directory to the GoldenGate root directory.

You can use Putty for the remaining steps.

```
vi ~/.bash_profile

# root directory of the Oracle GoldenGate
GG_HOME=/u01/app/oracle/product/ogg; export GG_HOME
```

8. In each system, start the `ggsci` command prompt and create the subdirectories

**Note:** If you had selected to start the Manager from the Installer Wizard, those subdirectories would have been created by the wizard and therefore you would not have needed to do this step.

```
source ~/.bash_profile
cd $GG_HOME
ggsci
GGSCI> CREATE SUBDIRS
```

9. Get yourself familiar with the `ggsci` online help system

- a) Issue help command to display a summary of all commands

```
GGSCI> help
```

- b) To display details on using a specific command, issue the following:

```
GGSCI> Help Add Extract
```

- c) View your command history

```
GGSCI> history
```

- d) Repeat a command (for example, the third one)

```
GGSCI> !3
```

10. Exit `ggsci`

```
GGSCI> exit
```

## Summary

By end of this practice, you should have two Linux-based Oracle VirtualBox appliances where each of them has Oracle GoldenGate installed in it.

You also should be able to issue the `ggsci` command prompt utility.

