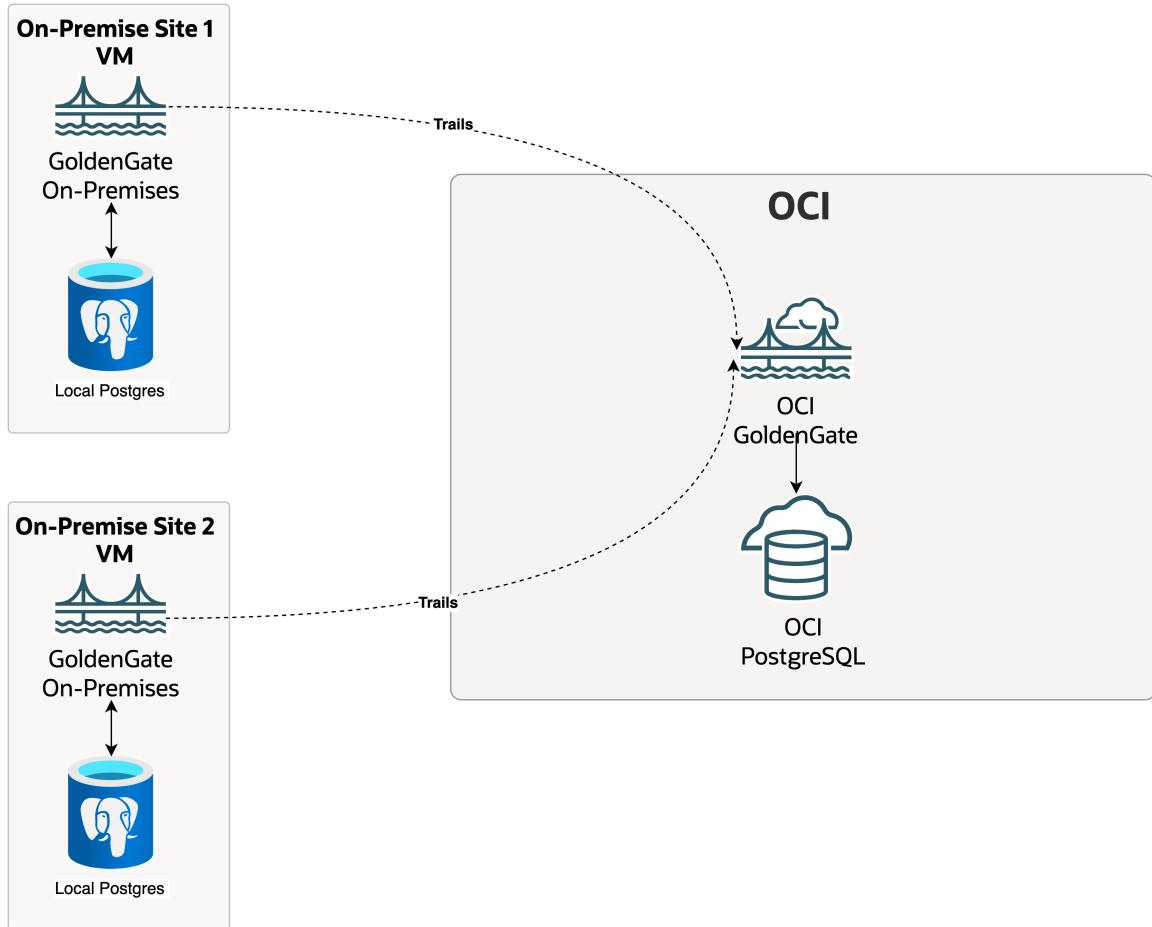


Install Oracle Goldengate 23ai for PostgreSQL on Oracle Linux 8 VM



1. Download the Oracle 23ai software for Oracle and Postgres from [e-delivery](#)

The screenshot shows the Oracle Software Delivery Cloud interface. At the top, there is a dark header bar with a small orange logo on the left. Below it is a green decorative bar with the text "Oracle Software Delivery Cloud". The main area has a light beige background. On the left, there is a "All Categories" dropdown menu. In the center, there is a search bar containing the text "oracle goldengate". A dropdown menu is open over the search bar, listing various Oracle GoldenGate products. The listed items are:

- Oracle GoldenGate
- Oracle GoldenGate Application Adapters
- Oracle GoldenGate Application Adapters for Base24
- Oracle GoldenGate Application Adapters for JMS and Flat File
- Oracle GoldenGate Application Adapters for Logger for Enscribe
- Oracle GoldenGate EM Plugin
- Oracle GoldenGate for Big Data
- Oracle GoldenGate for Big Data License Subscription
- Oracle GoldenGate for Big Data Targets
- Oracle GoldenGate for Big Data Targets License Subscription
- Oracle GoldenGate for Distributed Applications and Analytics
- Oracle GoldenGate for Distributed Applications and Analytics License Subscription

On the right side of the search bar, there is a green "Search" button.

Oracle Software Delivery Cloud

- Choose a category and type in a search term or software title you would like to download.
- Select from the drop down results or click Search - you can also select one of our most Popular Downloads.
- A list of results will appear - additional filters will then be available to refine your search.
- Click on 'Select' next to the title you wish to download - the software will automatically be placed in your Download Queue when you click Continue.
- **Download Package (DLP): A collection of related Releases / Release (REL): A specific version of new functionality of a product.**
- Still need help? Take our step-by-step [Demo Tour](#) or visit the [FAQs](#).

All Categories Oracle GoldenGate

All Commercial Linux/VM 1-Click Courseware Documentation

Found 140 results

Page Size

-  [DLP: Oracle GoldenGate 23.4 \(Oracle GoldenGate \)](#)
-  [DLP: Oracle GoldenGate 21.3.0.0.0 \(Oracle GoldenGate \)](#)
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-  [DLP: Oracle GoldenGate 19.1.0.0 \(Oracle GoldenGate \)](#)
-  [DLP: Oracle GoldenGate 18.1.0.0 \(Oracle GoldenGate \)](#)
-  [DLP: Oracle GoldenGate 12.3.0.1.0 \(Oracle GoldenGate \)](#)
-  [DLP: Oracle GoldenGate 12.2.0.2.0 \(Oracle GoldenGate \)](#)
-  [DLP: Oracle GoldenGate 12.2.0.1.0 \(Oracle GoldenGate \)](#)

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Oracle GoldenGate 23.4 

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Oracle GoldenGate 23.4.0.0

987.2 MB

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You are downloading the base release version of GoldenGate. You can either install this base release and then download and install the latest Release Update, or download and install the full release package which includes the latest Release Update. Installing the latest Release Update will ensure you have the most current security and functionality. Refer to " Latest GoldenGate/Database (OGG/RDBMS) Patch recommendations" Doc ID: 2193391.1 for more information.

You may download files:

- Using the download manager - Select the checkboxes next to the desired files, click 'Download', save the single use download manager to your computer, then run the executable file. Visit the FAQs for more detailed information.
- Individually - Click the file name to download

[Back](#) [View Digest Details](#) [WGET Options](#) [Restore](#) [Download](#)

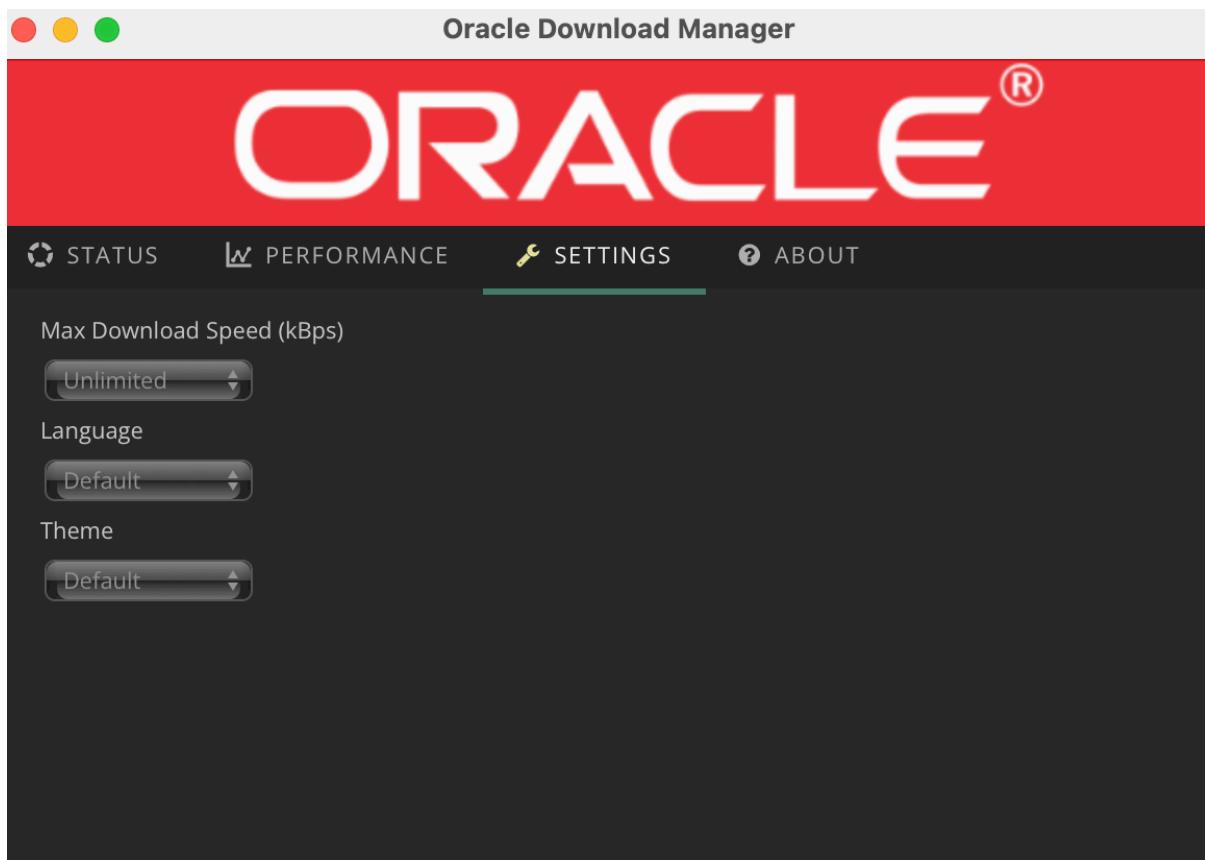
<input checked="" type="checkbox"/>	Oracle GoldenGate 23.4	
<input checked="" type="checkbox"/>	Oracle GoldenGate 23.4.0.0.0 for Linux x86-64 !	
<input checked="" type="checkbox"/>	V1041908-01.zip Oracle GoldenGate 23.4.0.24.05 on Linux x86-64 for Oracle, 493.6 MB	
<input checked="" type="checkbox"/>	V1041909-01.zip Oracle GoldenGate 23.4.0.24.05 on Linux x86-64 for PostgreSQL, 493.6 MB	

Total 2 distinct files Total Size 987.2 MB

NOTE: Some downloaded parts may be split into more than one file.

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Download the 2 Zip files using the Oracle Download Manager



V1041908-01.zip -> Oracle GoldenGate 23.4.0.24.05 on Linux x86-64 for Oracle, 493.6 MB

V1041909-01.zip -> Oracle GoldenGate 23.4.0.24.05 on Linux x86-64 for PostgreSQL, 493.6 MB

Copy and unzip the files on 2 separate Oracle Linux 8 VMs

OGG 23ai Postgres Installation:

Ref : <https://docs.oracle.com/en/middleware/goldengate/core/23/core/doc/install-operating-system-requirements.html#GUID-9316548F-3167-4C59-86CE-E39949720B82>

1. Install Postgres on the same host

```
sudo dnf update
```

```
sudo dnf install -y https://download.postgresql.org/pub/repos/yum/reporpms/EL-8-x86\_64/pgdg-redhat-repo-latest.noarch.rpm
```

```
sudo dnf -qy module disable postgresql
```

```
sudo dnf install -y postgresql14-server postgresql14-contrib
```

```
# Initializing PostgreSQL 14 Database in RHEL 8
```

```
sudo /usr/pgsql-14/bin/postgresql-14-setup initdb
```

```
sudo systemctl start postgresql-14
```

```
sudo systemctl enable postgresql-14
```

```
sudo systemctl status postgresql-14
```

```
sudo su - postgres
```

```
psql
```

```
# CREATE ROLE admin WITH LOGIN SUPERUSER CREATEDB CREATEROLE PASSWORD 'RAbbithole1234#_';
```

```
\du
```

List of roles		
Role name	Attributes	Member of
admin	Superuser, Create role, Create DB	{}
postgres	Superuser, Create role, Create DB, Replication, Bypass RLS	{}

```
# To create non-super User :
```

```
CREATE USER apptestuser WITH ENCRYPTED PASSWORD 'RAbbithole1234#_';
```

```
# Create Database :
```

```
CREATE DATABASE apptestdb ;
```

```
# Assign non-super user to new database :
```

```
GRANT ALL PRIVILEGES ON DATABASE apptestdb to apptestuser ;
```

- Enable Logical replication on the Postgres14 database

```
$ vim /var/lib/pgsql/14/data/postgresql.conf
```

```
## Uncomment and set below parameters
listen_addresses = *
wal_level = logical
max_replication_slots = 2
max_wal_senders = 1
track_commit_timestamp = on
wal_keep_size = 4096
```

```
# Restart Postgresql service with sudo OS user and whitelist ports ##
```

```
$ sudo systemctl restart postgresql-14
```

```
$ sudo systemctl status postgresql-14
```

```
# Whitelist Postgres ports #
```

```
sudo firewall-cmd --list-ports
```

```
sudo firewall-cmd --zone=public --permanent --add-port=5432/tcp
```

```
sudo firewall-cmd --reload
```

2. Create Directory for the installation with opc user

```
mkdir -p $HOME/ogg_postgres_23ai
```

```
mkdir -p $HOME/oralInventory
```

```
vim ~/.bash_profile
```

```
#Add below 2 entries in profile
```

```
export OGG_HOME=/home/opc/ogg_postgres_23ai
```

```
export LD_LIBRARY_PATH=$OGG_HOME/datadirect/lib:$OGG_HOME/lib
```

3. Unzip and Install OGG Postgres binary

```
unzip V1041909-01.zip  
  
cd ggs_Linux_x64_PostgreSQL_services_shiphome/Disk1/response/  
  
vim oggcore.rsp  
  
# change below parameters  
  
INSTALL_OPTION=PostgreSQL  
SOFTWARE_LOCATION=/home/opc/ogg_postgres_23ai  
INVENTORY_LOCATION=/home/opc/oralInventory  
UNIX_GROUP_NAME=opc
```

4. Install the binary in silent mode

```
cd ggs_Linux_x64_PostgreSQL_services_shiphome/Disk1  
  
.runInstaller -silent -nowait -responseFile  
/home/opc/ggs_Linux_x64_PostgreSQL_services_shiphome/Disk1/response/oggcore.rs  
p
```

As a root user, run the following script(s):

1. /home/opc/oralInventory/orainstRoot.sh

5. Create password for opc user and enable GUI on OL8 with VNC

Ref : <https://docs.oracle.com/en/learn/ol-install-vnc/#install-a-graphical-desktop-environment>

1. First thing is to enable password authentication on your user. In this case we will do it with opc user. It is highly advisable to use another user and not 'opc'

with root user :

```
$ vim /etc/ssh/sshd_config
```

Change in file line 'PasswordAuthentication yes'

```
$ systemctl restart sshd
```

```
$ passwd opc
```

2. With opc user :

```
sudo yum groupinstall "Server with GUI"

sudo systemctl set-default graphical

sudo reboot now

#Go to /etc/gdm/custom.conf and uncomment WaylandEnable=False

sudo yum install -y tigervnc-server tigervnc-server-module

#Set user password

vncpasswd

#Go to /etc/tigervnc/vncserver.users add your user to the list

:1=opc

#Go to /etc/tigervnc/vncserver-config-defaults to add screen resolution and session

session=gnome
geometry=1280x1024

# 1280x1024 resolution works best for my Macbook Pro 2020 w Intel chip

sudo systemctl daemon-reload

sudo systemctl enable --now vncserver@:1.service

sudo systemctl status --now vncserver@:1.service

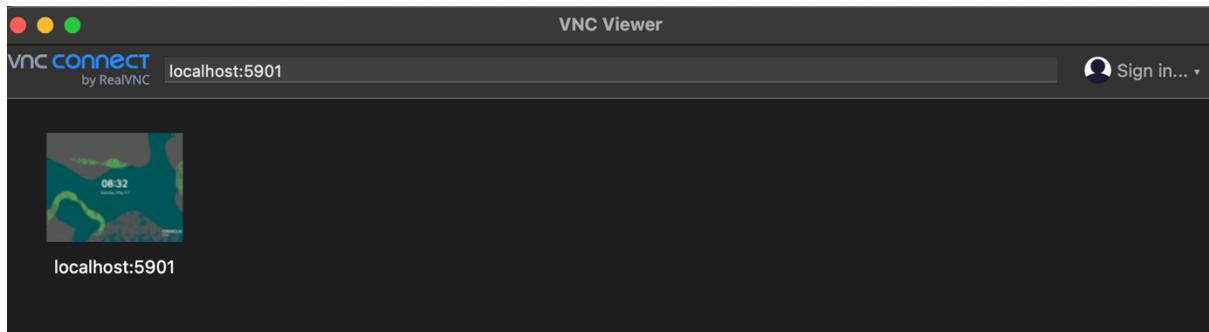
# Check VNC port
netstat -tanelp | grep vnc

tcp      0      0 0.0.0.0:5901          0.0.0.0:*          LISTEN     1000

# Open a SSH tunnel to the host over port 5901

ssh -L 5901:localhost:5901 -i mydemo_vcn.priv opc@168.138.31.117

# Open VNCViewer and connect with localhost:5901 and use the VNC password
# created above, and then the 'opc' password set in Step 1
```



6. Login with opc user using VNC viewer and install Postgres deployment using oggca.sh script

Ref :

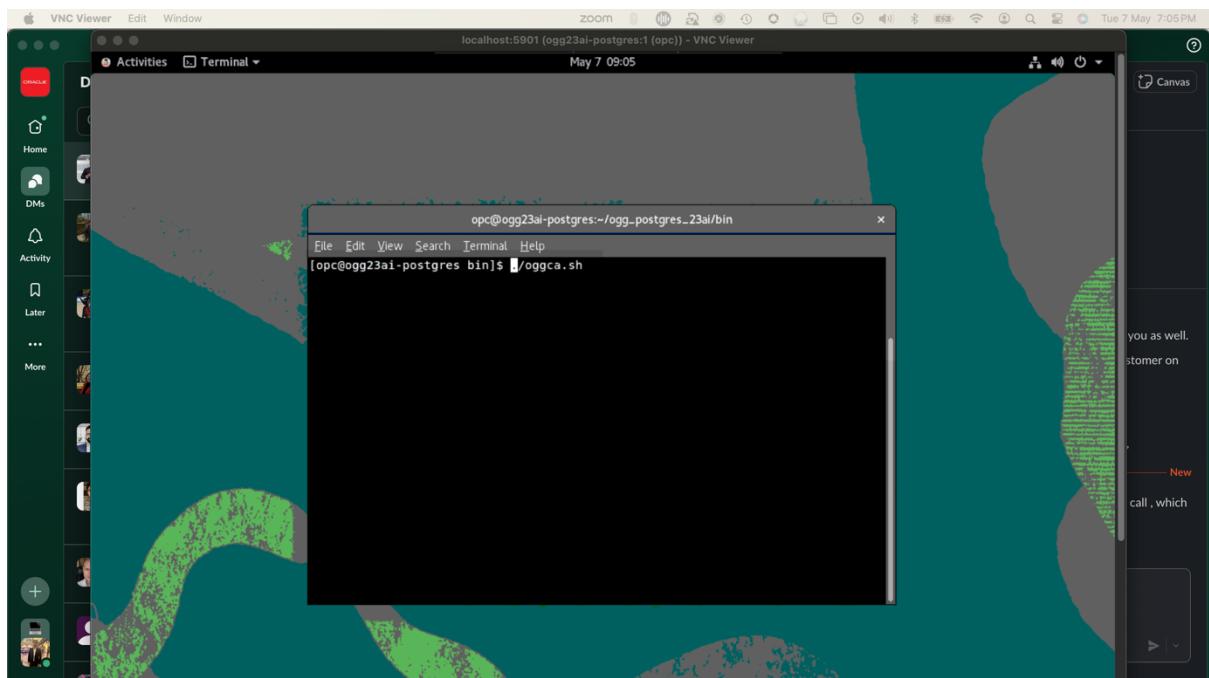
<https://docs.oracle.com/en/middleware/goldengate/core/23/core/doc/deploy-add-deployment.html#GUID-5EF5682D-F9CF-447D-8875-CBCC57AC70FC>

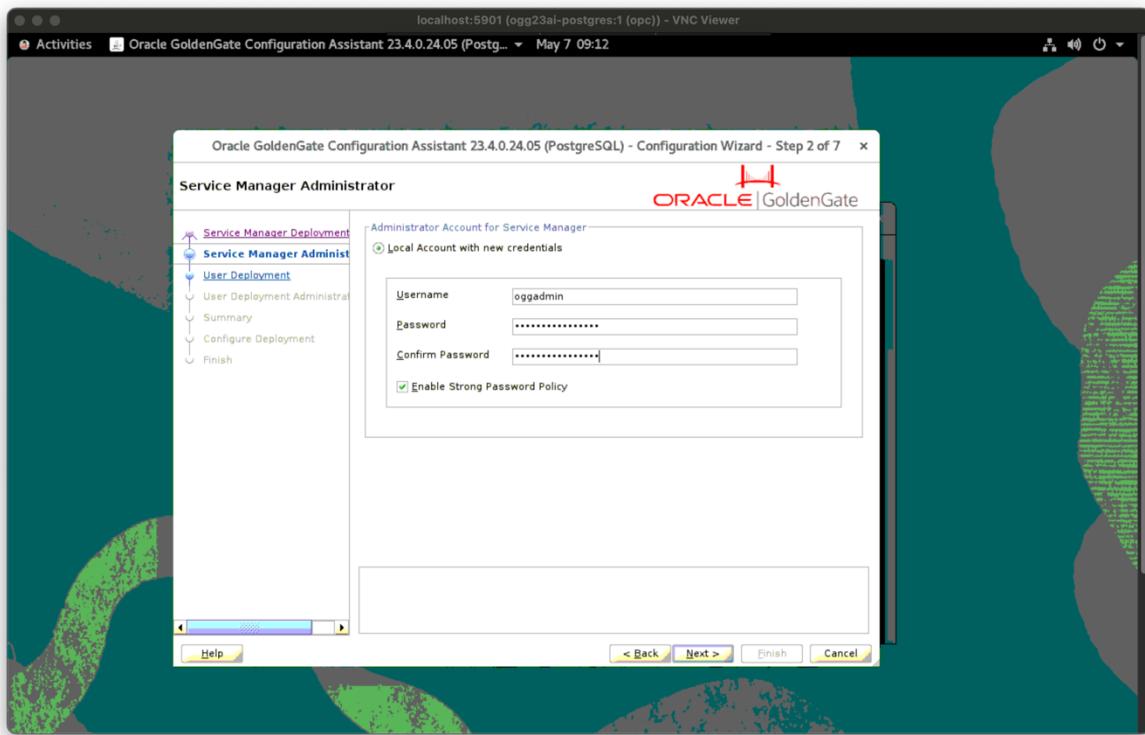
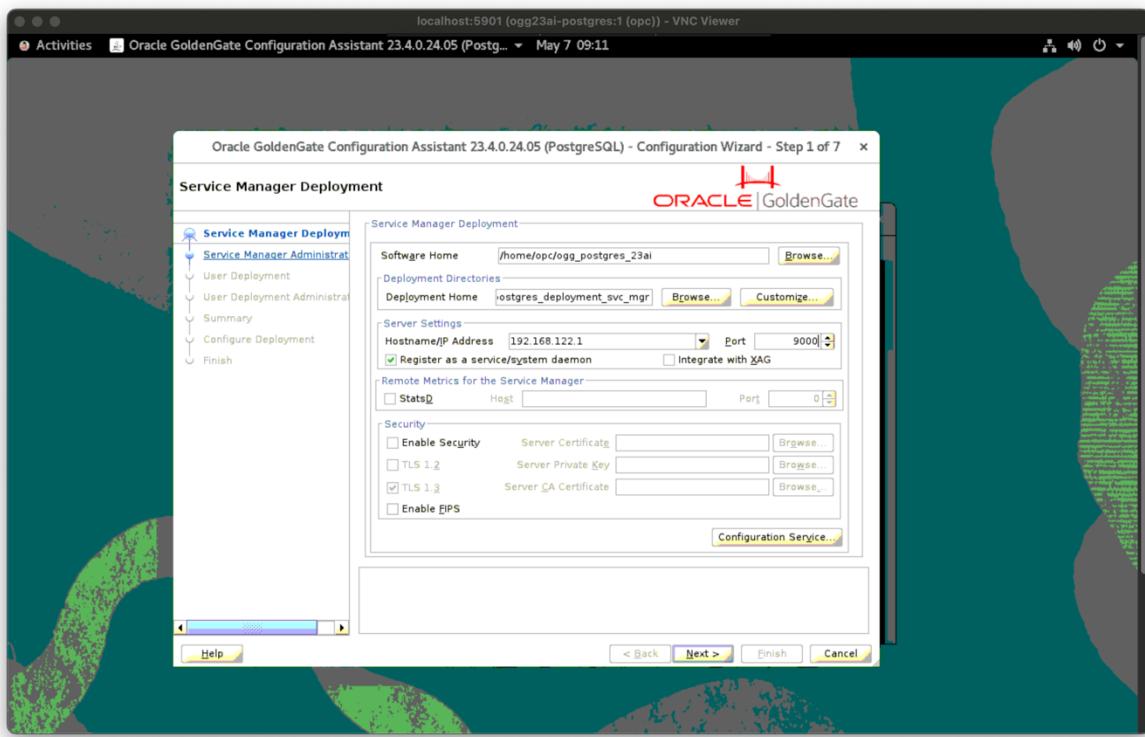
```
mkdir -p /home/opc/postgres_deployment_usr_mgr
```

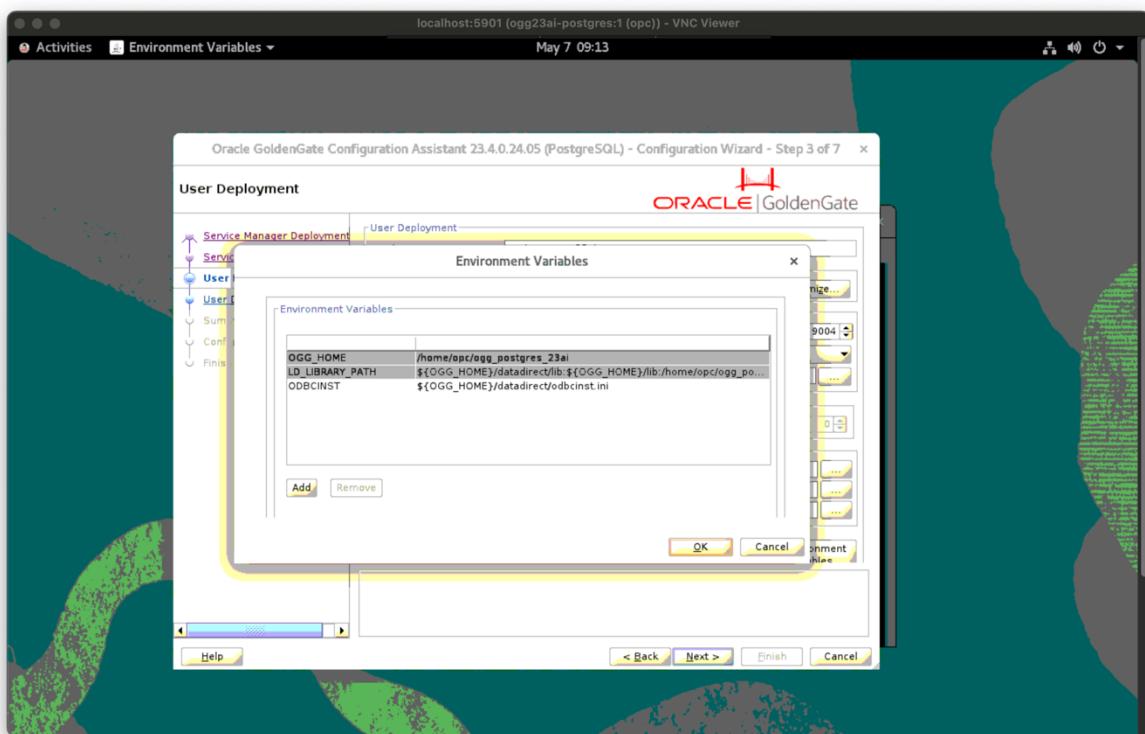
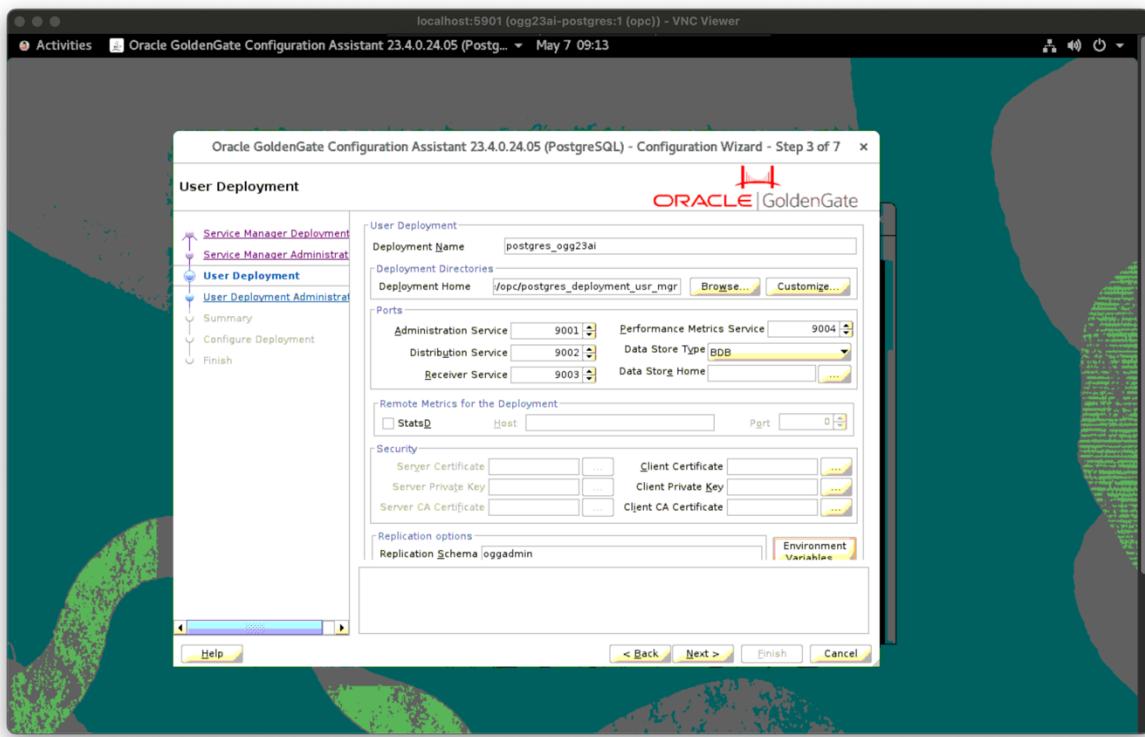
```
mkdir -p /home/opc/postgres_deployment_svc_mgr
```

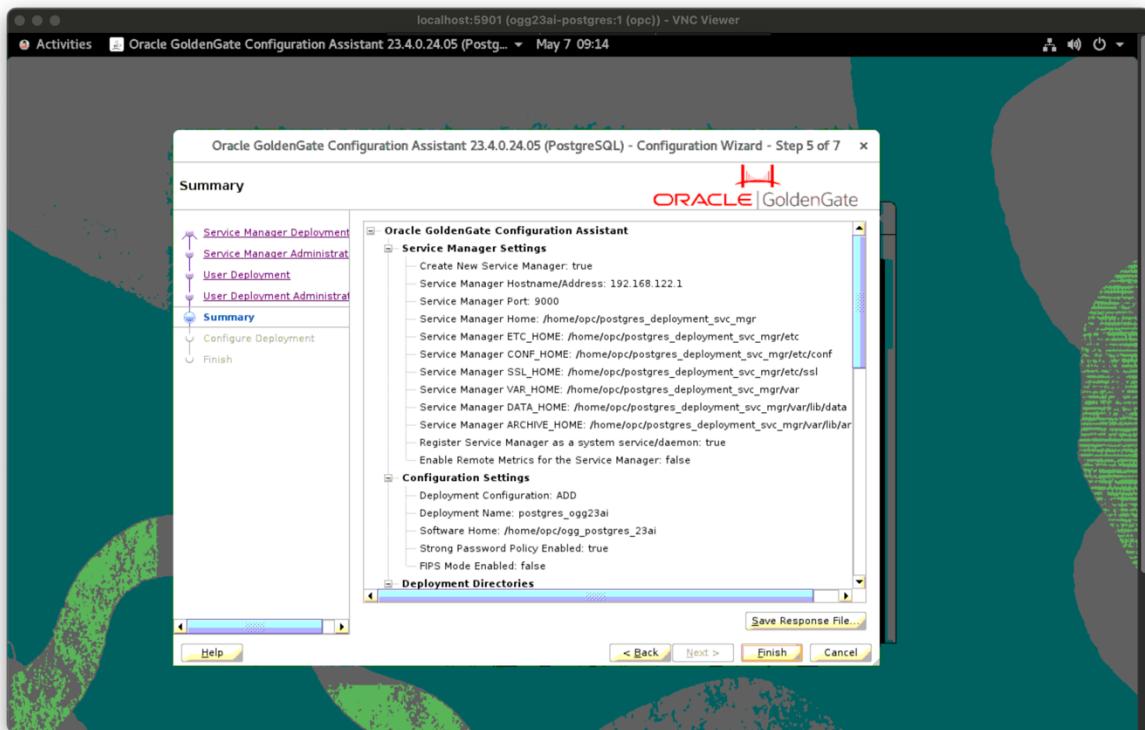
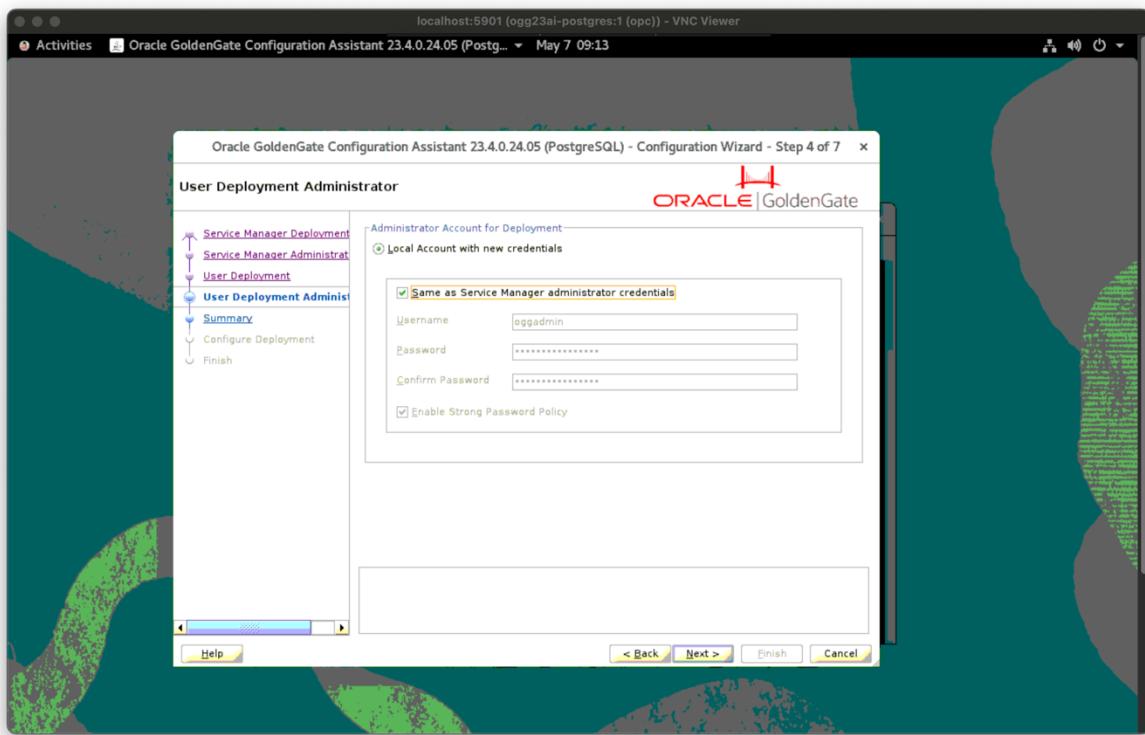
```
cd ogg_postgres_23ai/bin/
```

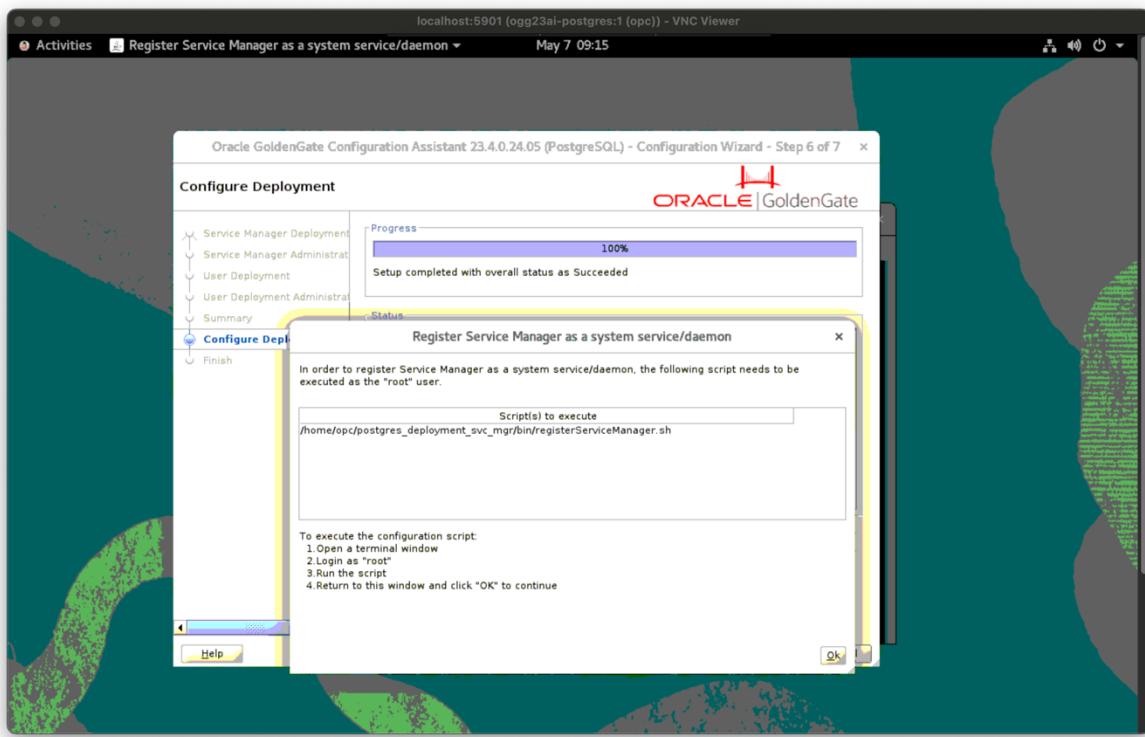
```
./oggca.sh
```







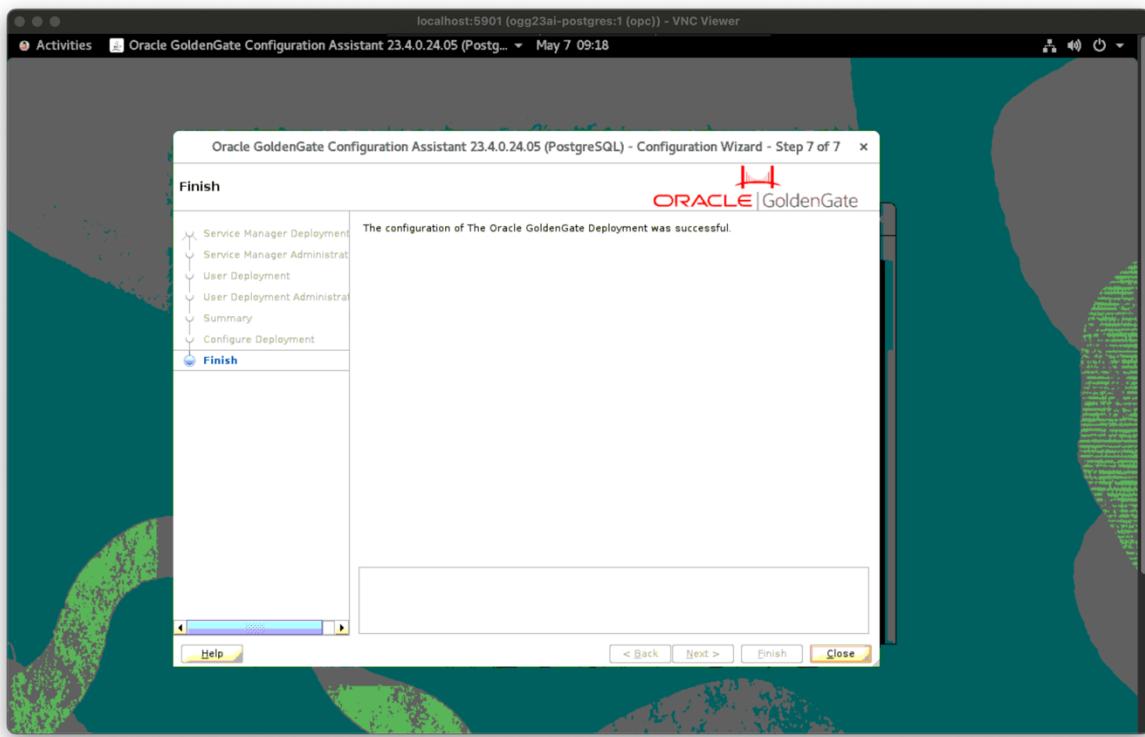




With root user:

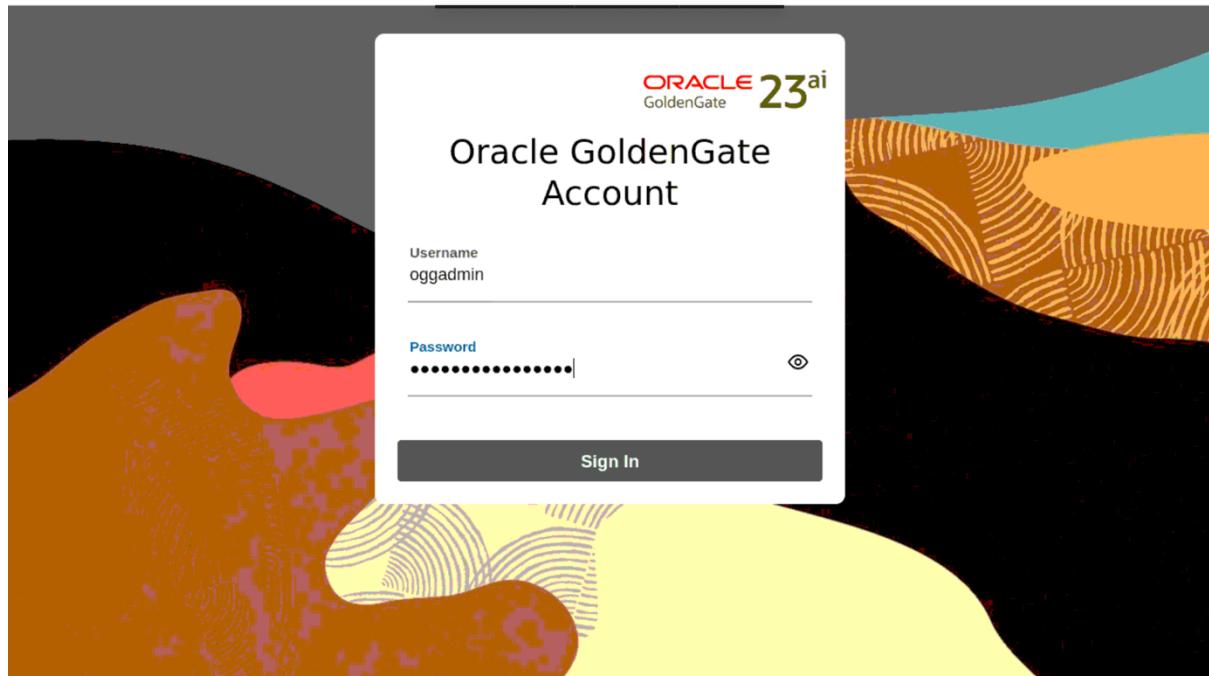
```
cd /home/opc  
../postgres_deployment_svc_mgr/bin/registerServiceManager.sh
```

A screenshot of a terminal window titled "ssh" with three tabs labeled "ssh", "ssh", and "ssh". The terminal shows the command being run: [root@ogg23ai-postgres opc]# ../postgres_deployment_svc_mgr/bin/registerServiceManager.sh. The output includes copyright information from Oracle and details about the Oracle GoldenGate Install As Service Script, including environment variable assignments (OGG_HOME, OGG_CONF_HOME, OGG_VAR_HOME, OGG_USER) and the creation of a systemd service file named OracleGoldenGate.service. The command ends with a prompt: [root@ogg23ai-postgres opc]# |



Open Service Manager:

<http://localhost:9000/>



Activities Firefox May 7 09:26

Service Mgr. Environment x + localhost:9000/?ojr=environmentVariables%3Bname%3Dpostgres_ogg23ai

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ORACLE Oracle GoldenGate Service Manager 23.4.0.24.05 for PostgreSQL (S...)

oggadmin Security

Environment Variables +

Variable Name	Variable Value	Actions
ODBCINST	\$(OGG_HOME)/datadirect/odbcinst.ini	
LD_LIBRARY_PATH	\$(OGG_HOME)/lib:/home/opc/ogg_postgres_23ai/datadirect/lib:/home/opc/ogg_postgres_23ai/lib:/home/opc/ogg_postgres_23ai/datadirect/lib:/home/opc/ogg_postgres_23ai/lib	

Details
 Configuration (selected)

Activities Firefox May 7 09:25

Service Mgr. Overview x + localhost:9000/?ojr=home

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ORACLE Oracle GoldenGate Service Manager 23.4.0.24.05 for PostgreSQL (S...)

oggadmin Security

Deployments

Deployment	Status	Running Services	Not Running Services	Actions
postgres_ogg23ai	Running	4	0	
ServiceManager	Running	1	0	

Home
 User Administration
 Deployments
 Certificate Management
 Diagnosis Log
 Debug Log

Open Postgres deployment Administration Service :

<http://localhost:9001/services/v2/content/?ojr=account>

The screenshot shows the Oracle GoldenGate Services 23.4.0.24.05 for PostgreSQL (postgres...) interface. At the top, there are tabs for 'Service Mgr. Services' and 'Admin Service Overview'. The URL in the address bar is 'localhost:9001/services/v2/content/?ojr=home'. Below the header, there's a navigation bar with links to 'Oracle Linux Home', 'Oracle Linux Support', 'Oracle Linux Blog', 'Unbreakable Linux Net...', 'Linux Technology Center', 'Oracle Linux Downloads', and 'Oracle Linux Training'. The main content area is titled 'Administration Service' and includes sections for 'Extracts' and 'Replicats'. Under 'Extracts', there are four status indicators: 'Running' (green), 'Failed' (red), 'Stopped' (grey), and 'Other' (blue). Under 'Replicats', there are similar indicators. On the left, a sidebar for 'oggadmin' (Security) lists options like 'Home', 'User Administration', 'DB Connections', 'Extracts', 'Replicats', 'Trails', 'Tasks', 'Encryption', and 'Path Connections'. A 'Critical Events' section is also present.

Add the local Postgres 14 as a connection.

The screenshot shows the Oracle GoldenGate Services interface with the 'DB Connections' configuration dialog open. The dialog title is 'Credentials'. It instructs the user to 'Create Credentials to connect to the database system. Provide the login information for the Database alias.' The 'Credential Domain' is set to 'OracleGoldenGate' and the 'Credential Alias' is 'postgreslocal'. Under 'Connection Type', the 'Data Source Name (DSN)' option is selected. The 'Data Source Name (DSN)' field contains 'postgreslocal', and the 'Database Name' field contains 'apptestdb'. The 'User ID' field is set to 'admin'. The 'Password' and 'Verify Password' fields both contain masked text. A 'Submit' button is at the bottom right. The background shows the same navigation and service status as the previous screenshot.

Activities Firefox May 7 09:31

Service Mgr. Services Admin Service DB Connect +

localhost:9001/services/v2/content/?ojr=DBConnections

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ORACLE Oracle GoldenGate Services 23.4.0.24.05 for PostgreSQL

Administration Service Distribution Service Receiver Service Performance

oggadmin Security

DB Connections + Q

Search in DB Connection Tab

Domain Alias

No data to display.

For connecting to a database and managing new database login credential: +

Home User Administration DB Connections Extracts Replicats Trails Tasks Encryption Path Connections Managed Process Profiles Parameter Files Diagnosis Log

Credentials

Create Credentials to connect to the database system. Provide the login information for the Database alias.

Credential Domain: OracleGoldenGate Credential Alias: postgreslocal

Connection Type:

Choose whether to create a connection using DSN or using Database server and port

Data Source Name (DSN) Database Server and Port

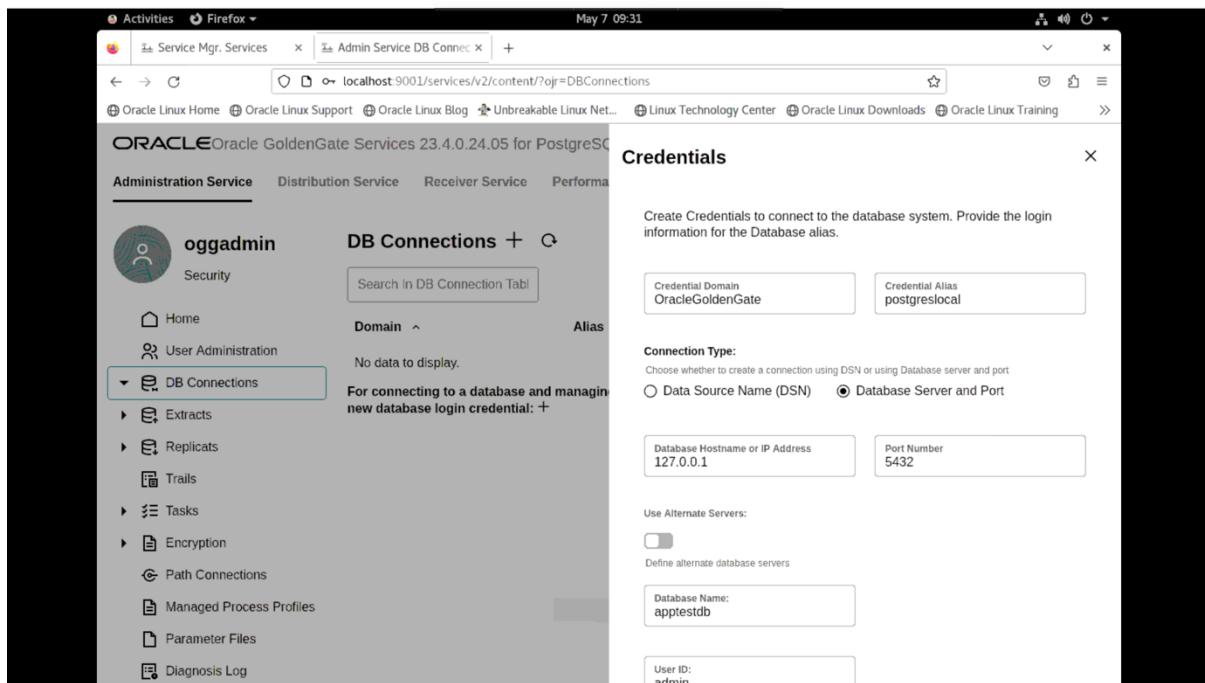
Database Hostname or IP Address: 127.0.0.1 Port Number: 5432

Use Alternate Servers:

Define alternate database servers

Database Name: appitestdb

User ID: admin



Activities Firefox May 7 09:31

Service Mgr. Services Admin Service DB Connect +

localhost:9001/services/v2/content/?ojr=DBConnections

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ORACLE Oracle GoldenGate Services 23.4.0.24.05 for PostgreSQL

Administration Service Distribution Service Receiver Service Performance

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DB Connections + Q

Search in DB Connection Tab

Domain Alias

No data to display.

For connecting to a database and managing new database login credential: +

Home User Administration DB Connections Extracts Replicats Trails Tasks Encryption Path Connections Managed Process Profiles Parameter Files Diagnosis Log

Credentials

Define alternate database servers

Database Name: appitestdb

User ID: admin

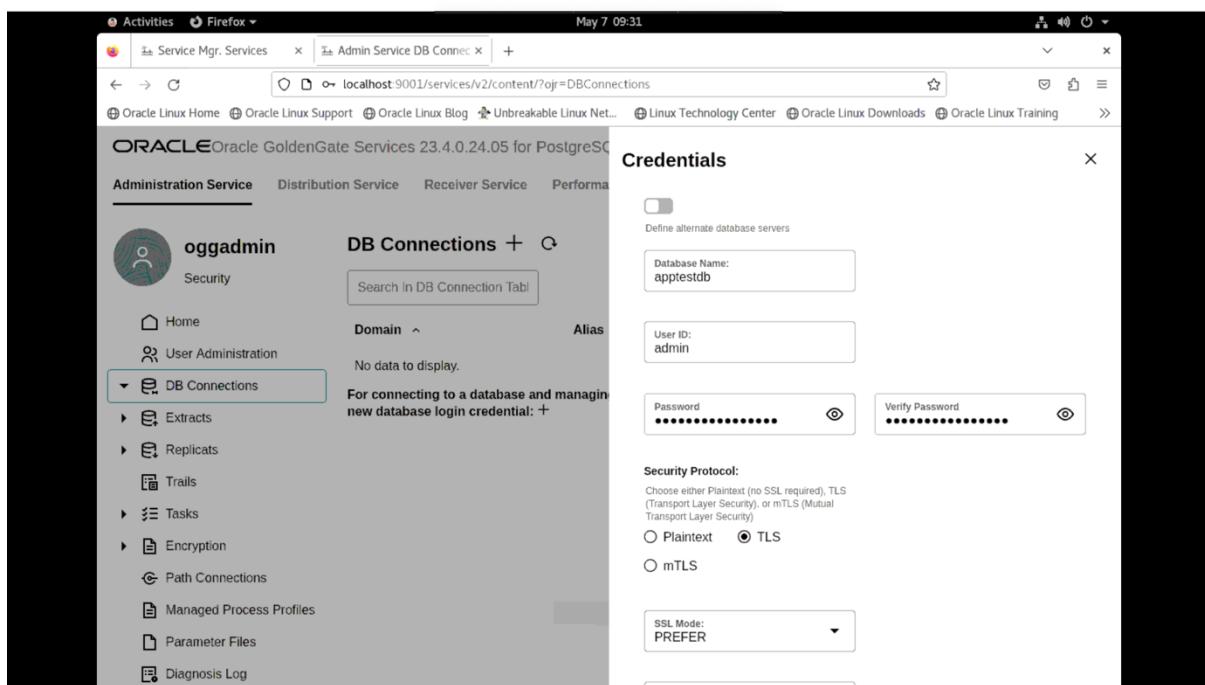
Password: Verify Password:

Security Protocol:

Choose either Plaintext (no SSL required), TLS (Transport Layer Security), or mTLS (Mutual Transport Layer Security)

Plaintext TLS mTLS

SSL Mode:





oggadmin
Security

[Home](#)

[User Administration](#)

[DB Connections](#)

[postgreslocal\(admin@127.0.0.1:5432/apptestdb;sslMode=prefer;validateServerCertificate=0\)](#)

Connected to: apptestdb

Checkpoint + [C](#)

Search in Checkpoint Table

Checkpoint Table ^

Actions

No data to display.

[Checkpoint](#)

[Trandata](#)

[Heartbeat](#)

[Extracts](#)

[Replicats](#)

[Trails](#)

[Tasks](#)

[Encryption](#)

[Path Connections](#)

[Managed Process Profiles](#)

[Parameter Files](#)

[Diagnosis Log](#)

—

Add an Extract for the Local Postgres Database

The screenshot shows the Oracle GoldenGate Services interface for PostgreSQL. On the left, there's a sidebar with a user icon for 'oggadmin' and sections for Home, User Administration, DB Connections, Extracts (which is selected), Replicats, Trails, Tasks, Encryption, Path Connections, Managed Process Profiles, Parameter Files, and Diagnosis Log. The main area is titled 'Add Extract' and shows a four-step wizard: Step 1 (Extract Information), Step 2 (Extract Options), Step 3 (Managed Options), and Step 4 (Parameter File). Step 1 is active. It displays a summary of existing extracts: 0 Running and 0 Failed. A note says: 'The Extract types are either Change Data Capture (CDC) or Initial Load. Specify the desired Extract.' Below this, there's a radio button for 'Change Data Capture Extract' (selected) and another for 'Initial Load Extract'. A process name input field contains 'EXTLCU'.

This screenshot continues the 'Add Extract' wizard at Step 2. The sidebar and main interface are identical to the previous step. The 'Extract Options' section is now active, showing a dropdown menu for 'Begin' set to 'Now'. Below it is the 'Extract Trail' section, which includes fields for 'Name' (set to 'LP'), 'Subdirectory', 'Trail Size (MB)' (set to '500'), 'Trail Sequence' (set to '0'), and 'Trail Offset' (set to '0'). The 'Source Credentials' section shows a dropdown for 'Domain' (set to 'OracleGoldenGate') and an 'Alias' field containing 'postgreslocal'. At the bottom right are 'Back' and 'Register' buttons.

The screenshot shows the Oracle GoldenGate Extracts configuration interface. On the left, the navigation menu includes Home, User Administration, DB Connections, Extracts (selected), Replicats, Trails, Tasks, Encryption, Path Connections, Managed Process Profiles, Parameter Files, Diagnosis Log, and Debug Log. The main area displays 'Extracts +' with 0 Running and 0 Failed. A 'Process Name' dropdown is set to 'Custom'. The right side shows a four-step wizard: 'Extract Information' (green checkmark), 'Extract Options' (green checkmark), 'Managed Options' (black circle with '3'), and 'Parameter File' (grey). Step 3 is currently active. A note states: 'Additional management options for Extract can be added. It is optional to add the AutoStart and AutoRestart details.' Configuration options include: Profile Name: Custom (critical to deployment health), Auto Start (on), Startup Delay Minutes: 0, Startup Delay Seconds: 10; Auto Restart (on), Restart on Failure only (on), Disable Task After Retries (on); Max Retries: 5, Retry Delay Minutes: 0, Retry Delay Seconds: 30; Retries Window Hours: 0, Retries Window Minutes: 20, Retries Window Seconds: 0. Navigation buttons at the bottom are Back, Next (disabled), and a dark green 'Next >' button.

The screenshot shows the Oracle GoldenGate Extracts configuration interface. The left sidebar and main extract status area are identical to the previous screenshot. The right side shows the 'Parameter File' step of the wizard (green checkmark). A note says: 'Use parameter file to configure extract options and source mapping.' A code editor window displays the following SQL-like extract definition:

```
EXTRACT EXTLCL
USERIDALIAS postgreslocal, DOMAIN OracleGoldenGate
EXTTRAIL LP
TABLE public.orders;
```

Navigation buttons at the bottom are Back, Create (disabled), and a dark green 'Create and Run' button.

 **oggadmin**
Security

- Home
- User Administration
- DB Connections
- Extracts**
- Replicats
- Trails
- Tasks
- Encryption
- Path Connections
- Managed Process Profiles
- Parameter Files
- Diagnosis Log
- Debug Log

Notifications

You don't have any notifications yet.

Extracts

Extracts + Group Action ▾

Process Name	Status	Lag	Actions
EXTLCL	Running	0 sec	   

Create Replication from On-Premise (Remote) Goldengate to OCI Goldengate

1. Go to OCI Goldengate deployment and download the root certificate for the OCI Goldengate deployment.

<https://vxth7gib3rya.deployment.goldengate.ap-melbourne-1.oraclecloud.com/services/adminsrvr/v2/content/index.html?ojr=account>

The screenshot shows the Oracle GoldenGate Services Administration Service interface. The URL in the browser is <https://vxth7gib3rya.deployment.goldengate.ap-melbourne-1.oraclecloud.com/services/adminsrvr/v2/content/index.html?ojr=account>. The interface includes a navigation bar with links like Connect an on-premises database, Oracle Cloud Infrastructure, Admin Services, Admin Service (postgres), PostgreSQL as, OTL Accrual Inquiry, Internationalization, Manage User, Getting Started, My JIRA Tickets, PostgreSQL, CoE, CMigrate Jira Configuration, Oracle EMP Tools, Oracle Mail, Oradocs, Ora IT, Ora HR, GGDEMO, Important Confluence, Other Bookmarks, and Help.

The main content area has tabs for Administration Service, Distribution Service, Receiver Service, and Performance Metrics Service. The Administration Service tab is selected. It displays two sections: Extracts and Replicats. Each section has four status categories: Running (green checkmark icon), Failed (red X icon), Stopped (grey info icon), and Other (blue question mark icon). The counts for each category are 0, 0, 0, and 0 respectively. Below these sections is a Critical Events table with columns for Code, Date, Severity, and Message. A message at the bottom of the table states "No data to display."

● ● ● Page Info — https://vxth7gib3rya.deployment.goldengate.ap-melbourne-1.oci.o...

General | Media | Permissions | Security

Website Identity

Website: vxth7gib3rya.deployment.goldengate.ap-melbourne-1.oci.oraclecloud.com
Owner: This website does not supply ownership information.

Verified by: DigiCert Inc View Certificate

Privacy & History

Have I visited this website prior to today? No

Is this website storing information on my computer? Yes, cookies and 1.2 MB of site data Clear Cookies and Site Data

Have I saved any passwords for this website? Yes View Saved Passwords

Technical Details

Connection Encrypted (TLS_ECDHE_RSA_WITH_AES_128_GCM_SHA256, 128 bit keys, TLS 1.2)
The page you are viewing was encrypted before being transmitted over the Internet.
Encryption makes it difficult for unauthorized people to view information traveling between computers. It is therefore unlikely that anyone read this page as it traveled across the network.

?

Firefox about:certificate?cert=MIINDCCBhygAwIBAgIQBHzoTsQEAZukbnyvszKADANBgkqhkiG9w0BAQsFADBzMQswCQYDVQQGEwJVUzE... Certificate for...

Getting Started Getting Started My JIRA Tickets PostgreSQL CoE CMigrate Jira Confl... Oracle EMP Tools Oracle Mail Oradocs Ora IT Ora HR GGDEMO Important Confluence > Other Bookmarks

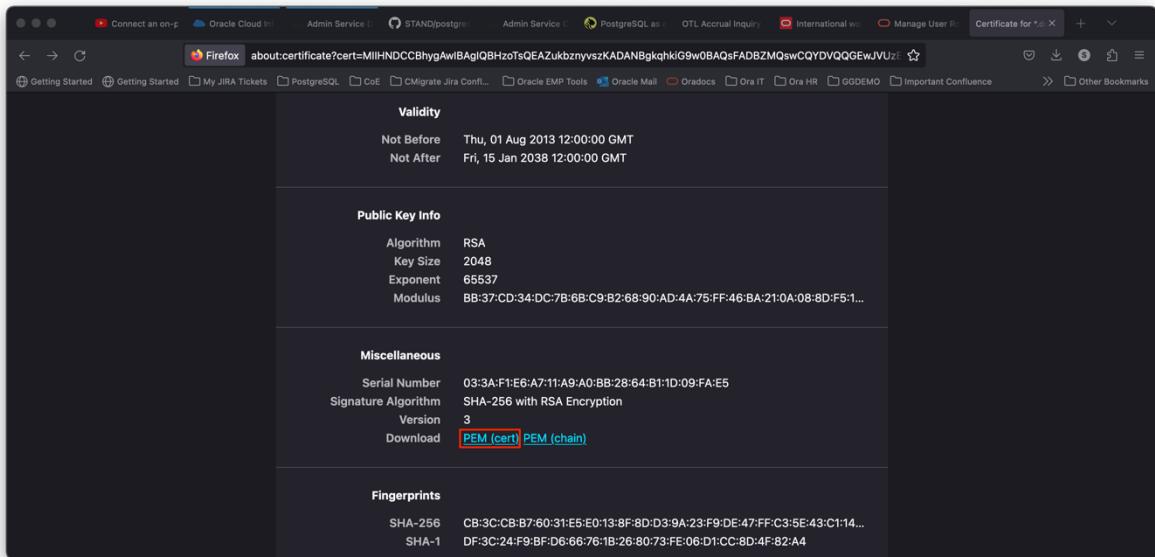
Certificate

*.deployment.goldengate.ap-melbourne-1.oci.oraclecloud.com DigiCert Global G2 TLS RSA SHA256 2020 CA1 DigiCert Global Root G2

Subject Name	
Country	US
Organization	DigiCert Inc
Organizational Unit	www.digicert.com
Common Name	DigiCert Global Root G2

Issuer Name	
Country	US
Organization	DigiCert Inc
Organizational Unit	www.digicert.com
Common Name	DigiCert Global Root G2

Validity



Copy the PEM file ‘deployment-goldengate-ap-melbourne-1-oci-oraclecloud-com.pem’ to the VM

2. Go to the Service manager of your Local Goldengate installed in VM and Import the above downloaded pem file for DigiCert Root certificate as a CA certificate.

Activities Firefox May 8 08:56

Service Mgr. Overview localhost:9000/?ojr=home

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ORACLE Oracle GoldenGate Service Manager 23.4.0.24.05 for PostgreSQL (S...)

oggadmin Deployments

Deployment Status Running Services Not Running Services Actions

Home postres_deployment Running 4 0

User Administration ServiceManager Running 1 0

Deployments

- ServiceManager
- postres_deployment

Certificate Management

Diagnosis Log

Debug Log

Activities Firefox May 8 08:57

Service Mgr. Certificates localhost:9000/?ojr=certificate%3Bname%3Dpostgres_deployment

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ORACLE Oracle GoldenGate Service Manager 23.4.0.24.05 for PostgreSQL (S...)

oggadmin Server Certificates +

Client Certificates +

CA Certificates +

Shared

Local

Deployment Options

- postgres_deployment
 - Details
 - Configuration
 - Restart Options
 - Authorization Profile
 - Certificates
 - Logs

Certificate Management

Activities Firefox May 8 09:00

Service Mgr. Certificates + localhost:9000/?obj=certificate%3Bname%3Dpostgres_deployment

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Go back one page (Alt+Left Arrow) Right-click or pull down to show history

Service Manager 23.4.0.24.05 for PostgreSQL

Add CA Certificate

Add the CA Certificate

Unique Name DigiCertRoot

Certificate PEM **Required**

Certificate Location Shared Local

oggadmin Security

Server Certificates +

Client Certificates +

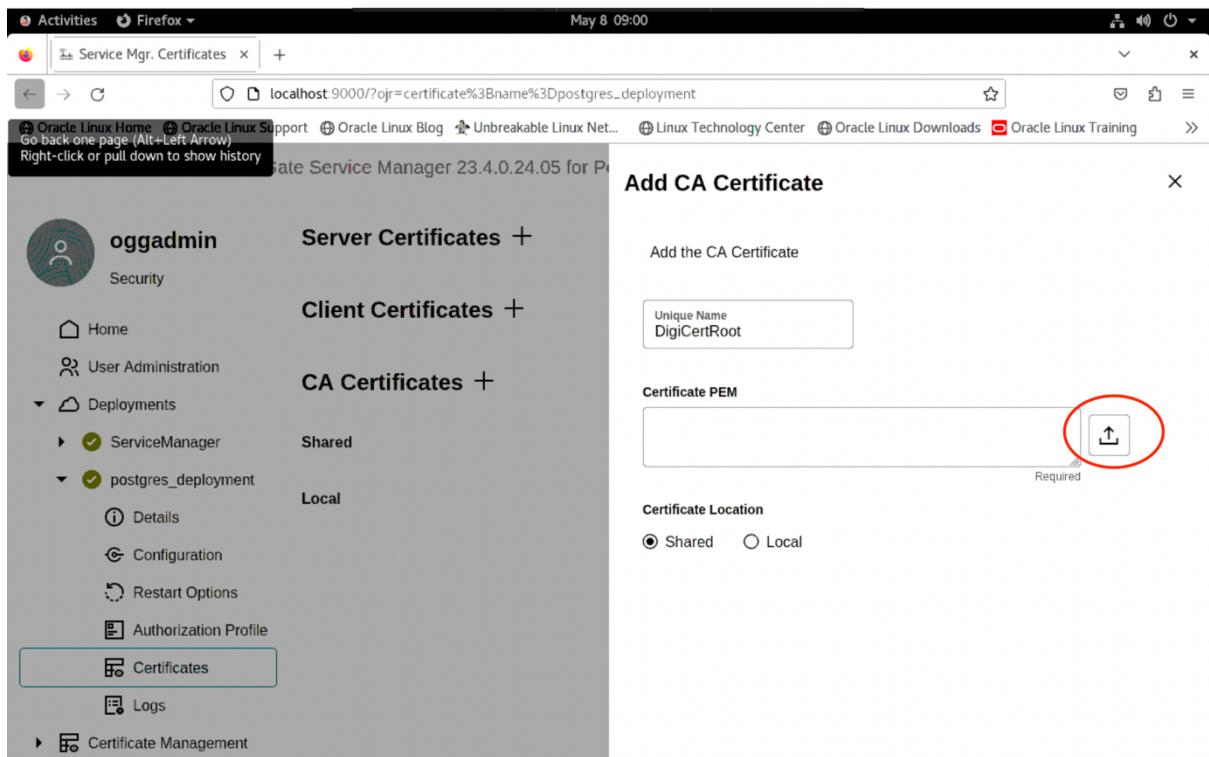
CA Certificates +

Deployments

- ServiceManager
- postgres_deployment**
 - Details
 - Configuration
 - Restart Options
 - Authorization Profile

Certificates **Logs**

Certificate Management



Activities Firefox May 8 09:01

Service Mgr. Certificates +

File Upload

Cancel

Recent

Home

Documents

Downloads

Music

Pictures

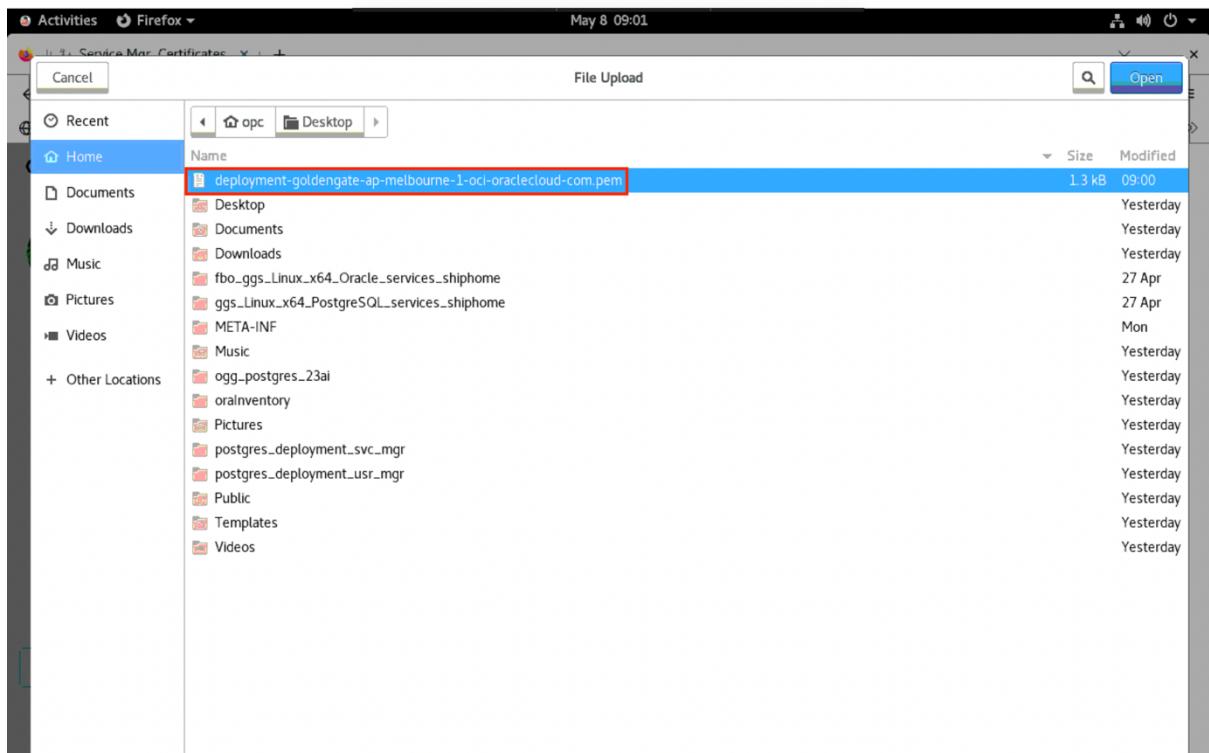
Videos

+ Other Locations

deployment-goldengate-ap-melbourne-1-oci-oraclecloud-com.pem

Name Size Modified

Name	Size	Modified
deployment-goldengate-ap-melbourne-1-oci-oraclecloud-com.pem	1.3 kB	09:00
Desktop		Yesterday
Documents		Yesterday
Downloads		Yesterday
fbo_ggs_Linux_x64_Oracle_services_shiphome		27 Apr
ggs_Linux_x64_PostgreSQL_services_shiphome		27 Apr
META-INF		Mon
Music		Yesterday
ogg-postgres_23ai		Yesterday
oralinventory		Yesterday
Pictures		Yesterday
postgres_deployment_svc_mgr		Yesterday
postgres_deployment_usr_mgr		Yesterday
Public		Yesterday
Templates		Yesterday
Videos		Yesterday



oggadmin Security

- Home
- User Administration
- Deployments
 - ServiceManager
 - postgres_deployment**
 - Details
 - Configuration
 - Restart Options
 - Authorization Profile
 - Certificates**
 - Logs
- Certificate Management
- Diagnosis Log
- Debug Log

Server Certificates +

Add the CA Certificate

Client Certificates +

CA Certificates +

Shared Local

Unique Name
DigiCertRoot

Certificate PEM

```
-----BEGIN CERTIFICATE-----
MIIDjCCAnagAwIBAgIQAzx5qcRqaC7KGSxHQn65TANBgk
ohkiGQuuORADnEcEADRh...
```

Certificate Location

Shared Local

Submit

oggadmin Security

- Home
- User Administration
- Deployments
 - ServiceManager
 - postgres_deployment**
 - Details
 - Configuration
 - Restart Options
 - Authorization Profile
 - Certificates**
 - Logs
- Certificate Management
- Diagnosis Log
- Debug Log

Server Certificates +

Client Certificates +

CA Certificates +

Shared

Status	Name	Issued To	Issued By	Validity Start	Validity Expiration	Actions
<input checked="" type="checkbox"/>	DigiCertRoot	CN = DigiCert Global Root G2	Self-signed	Aug 1, 2013, 12:00:00 PM UTC	Jan 15, 2038, 12:00:00 PM UTC	  

Local

3. Add a Path connection user in Administration Service and Credential in ‘User Administration’ for both On-Premise Goldengate in VM and OCI Goldengate deployment

First add it in Target OCI GG Deployment

Go to Deployment console : <https://vxth7gib3rya.deployment.goldengate.ap-melbourne-1.oci.oraclecloud.com/services/adminsrvr/v2/content/index.html>

The screenshot shows the Oracle GoldenGate Services 23.4.0.24.05 Admin Service interface. The left sidebar is for the 'oggadmin' user, showing navigation options like Home, User Administration, DB Connections, Extracts, Replicats, Trails, Tasks, Encryption, Path Connections, and Managed Process Profiles. The 'User Administration' option is highlighted with a red box. The main panel displays a table titled 'Users' with three rows:

Username	Role	Authenticated By	Info	Actions
distuser	Operator	Password		
oggadmin	Security	Password		
ggadmin-m9Vlygkz	Security	Password	Oracle GoldenGate Administrator	

The screenshot shows the Oracle GoldenGate Services 23.4.0.24.05 Admin Service interface. The left sidebar is for the 'oggadmin' user, showing navigation options like Home, User Administration, DB Connections, Extracts, Replicats, Trails, Tasks, Encryption, Path Connections, and Managed Process Profiles. The 'Path Connections' option is highlighted with a red box. The main panel displays a table titled 'Path Connections' with one row:

Alias	User ID	Actions
distuser	distuser	

Now go to the Source Goldengate VM and to the deployment Administration service and do the same : <http://localhost:9001/>

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ORACLE Oracle GoldenGate Services 23.4.0.24.05 for PostgreSQL

Administration Service Distribution Service Receiver Service Performance

Create new User

Create a new GoldenGate user identified by either a password or a client certificate. Also assign the appropriate security role to the new user

Authenticated By: Password Role: Operator Info

Username: distuser

Password: Enter 8 to 30 characters.

Verify Password: Enter 8 to 30 characters.

oggadmin Security

Home User Administration DB Connections Extracts Replicats Trails Tasks Encryption Path Connections Managed Process Profiles Parameter Files Diagnosis Log Debug Log

Path Connections

Search In Path Connection Table Alias: No data to display.

Create Credentials for the DistPath to connect to a GoldenGate Deployment. Provide the login information for the GoldenGate alias. Note that the Credential Domain will be 'Network'.

Credential Domain: Network

Credential Alias: distuser

User ID: distuser

Password: Enter 8 to 30 characters.

Verify Password: Enter 8 to 30 characters.

Submit

Now create a distribution path to send trail files to OCI Goldengate from On-premises Goldengate

The screenshot shows the Oracle GoldenGate Services 23.4.0.24.05 for PostgreSQL Distribution Service Overview page. The top navigation bar includes 'Activities', 'Firefox', 'Service Mgr. Sign Out', 'Dist. Service Overview', and a '+' button. The URL in the address bar is 'localhost:9001?ojr=pathConnections'. The main content area has tabs for 'Administration Service', 'Distribution Service' (which is selected), 'Receiver Service', and 'Performance Metrics Service'. On the left, a sidebar for 'oggadmin' (Security) shows links for Home, Distribution Paths, Target-Initiated Paths, Data Streams, Diagnosis Log, and Debug Log. The 'Distribution Service' section contains three cards: 'Distribution Paths' (Running: 0, Failed: 0, Stopped: 0, Other: 0), 'Target-Initiated Paths' (Running: 0, Failed: 0, Stopped: 0, Other: 0), and 'Data Streams' (Running: 0, Failed: 0, Stopped: 0, Other: 0). Below these is a 'Log Information' section with applied filters for Severity: Warning, Fatal, Error, and columns for Date, Severity, and Message.

The screenshot shows the 'Add Path' dialog box overlaid on the Distribution Service Overview page. The dialog has a header 'Add Path' with a close button. It features a flowchart with seven numbered steps: 1. Path Information, 2. Source Options, 3. Target Options, 4. Trail Options, 5. Advanced Options, 6. Filtering Options, and 7. Managed Options. Step 1 is highlighted. A descriptive text box states: 'The Path routes trail data from the source to the target system. Provide a name for the Path.' Below this are two input fields: 'Path Name' (set to 'SENDTOOCI') and 'Description'. A note below the 'Path Name' field says 'Required'.

Activities Firefox May 8 10:01

Service Mgr. Sign Out Dist. Service Overview +

localhost:9001?ojr=pathConnections

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ORACLE Oracle GoldenGate Services 23.4.0.24.05 for PostgreSQL

Add Path

Path Information Source Options Target Options Trail Options Advanced Options Filtering Options Managed Options

Information from the source trail is required. Add information about the trail location (file name and directory) and starting options for the source Trail.

Source ... EXTCL Trail Name LP Subdirectory

Generated Source URI trail://localhost:9002 /services

Encryption Profile LocalWallet

Begin Position in Log

Source Log Sequence Number 0 RBA Offset 0

Activities Firefox May 8 10:02

Service Mgr. Sign Out Dist. Service Overview +

localhost:9001?ojr=pathConnections

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ORACLE Oracle GoldenGate Services 23.4.0.24.05 for PostgreSQL

Add Path

Path Information Source Options Target Options Trail Options Advanced Options Filtering Options Managed Options

Different protocols (WSS, WS, and OGG) are available for the Path. Specify the desired protocol and add the required source details.

Target Protocol WSS Reverse proxy enabled

Target Host vxth7gib3rya.deployment.goldenga Port Number 443

Trail Name RD Subdirectory Trail Size (MB) 500

Target Encryption Algorithm NONE Change Encryption

Activities Firefox May 8 10:03

Service Mgr. Sign Out Dist. Service Overview +

localhost:9001?ojr=pathConnections

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ORACLE Oracle GoldenGate Services 23.4.0.24.05 for PostgreSQL

Administration Service Distribution Service Receiver Service Performance

oggadmin Security

Home Distribution Paths Target-Initiated Paths Data Streams Diagnosis Log Debug Log

Distribution Paths +

Running 0 Failed 0 Stopped 0

Data Streams +

Running 0 Failed 0 Stopped 0

Log Information

Applied Filters: Severity: Warning, Fatal, Error

Date Severity

Add Path

Path Information Source Options Target Options Trail Options Advanced Options Filtering Options Managed Options

Optionaly add filtering rules (inclusion and exclusion rules) based on names, types, or column values.

Rule Name: Rule Action: Exclude (Include)

Filter Type: Object Type

Object Types: Negate: Add

Activities Firefox May 8 10:03

Service Mgr. Sign Out Dist. Service Overview +

localhost:9001?ojr=pathConnections

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ORACLE Oracle GoldenGate Services 23.4.0.24.05 for PostgreSQL

Administration Service Distribution Service Receiver Service Performance

oggadmin Security

Home Distribution Paths Target-Initiated Paths Data Streams Diagnosis Log Debug Log

Distribution Paths +

Running 0 Failed 0 Stopped 0

Data Streams +

Running 0 Failed 0 Stopped 0

Log Information

Applied Filters: Severity: Warning, Fatal, Error

Date Severity

Add Path

Path Information Source Options Target Options Trail Options Advanced Options Filtering Options Managed Options

Additional AutoRestart Options can be added to the DistPath. Adjust the AutoRestart Retries and Delays if needed.

Critical: Auto Restart:

Autorestart Retries: 10

Autorestart Delay: 2

Administration Service **Distribution Service** Receiver Service Performance Metrics Service

oggadmin
Security

- Home
- Distribution Paths**
 - SENDTOOCI
- Target-Initiated Paths
- Data Streams
- Diagnosis Log
- Debug Log

Distribution Paths + All Path Actions ▾

Running	Failed	Stopped	Other
1	0	0	0

Name	Status	Lag	Actions
SENDTOOCI	Running	0 sec	...