

Oracle® Insurance Policy Administration

Oracle Installer

Version 9.7.1.0

Documentation Part Number: E51561-01

December, 2013

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INTRODUCTION

Oracle Installer is an installation application that automates the installation of Oracle Insurance Policy Administration (OIPA), Oracle Insurance Rules Palette (OIRP), Oracle cycle agent, Oracle cycle client and OIPA database schemas in an Oracle database.

Customer Support

If you have any questions about the installation or use of our products, please visit the My Oracle Support website: <https://support.oracle.com>, or call (800) 223-1711.

Oracle customers have access to electronic support through My Oracle Support. For information, visit <http://www.oracle.com/pls/topic/lookup?ctx=acc&id=info> or visit <http://www.oracle.com/pls/topic/lookup?ctx=acc&id=trs> if you are hearing impaired.

PREREQUISITES

Oracle Installer needs a number of prerequisites in order to execute successfully.

Technical Requirements

- OEL Enterprise Linux 5.8 64-bit
- Oracle Database 11G Release 2 Enterprise Edition
- Oracle WebLogic Server 10.3.6
- Sun Java SE 1.6.0_31 or later
- 500MB of hard disk space

Additional Requirements

- The Oracle Installer uses an active X Window system. If installing remotely, make sure the environment you are installing from is setup to display X Window.
- The installer can only be launched by a user other than the root user.
- When performing the database installation, the installation user must be able to execute SqlPlus, and should be the owner of the Oracle database.
- When installing the OIPA Application and the Web Application Utility, the installation user must be owner of the Weblogic .
- The installation user must have access to JDK.
- Set DomainRegistrationEnabled to **true** in nodemanager.properties before running the WebLogic NodeManager.
- Both Oracle and WebLogic user should have oinstall group to support multi user installation

Example:

```
# groups oracleuser
oracleuser: dba oinstall
# groups wlsuser
wlsuser : oinstall
```

- Also make sure that Oracle inventory folder has group level permissions for the Weblogic user in order to run the installer using Weblogic user

PRE-INSTALLATION STEPS

The following checks are required before any applications can be installed.

Xconnection Check

Note: This check is not required when the log in user and the install user are the same

An Xconnection check is required before installing any applications. Without this check, the Installer Wizard will not open.

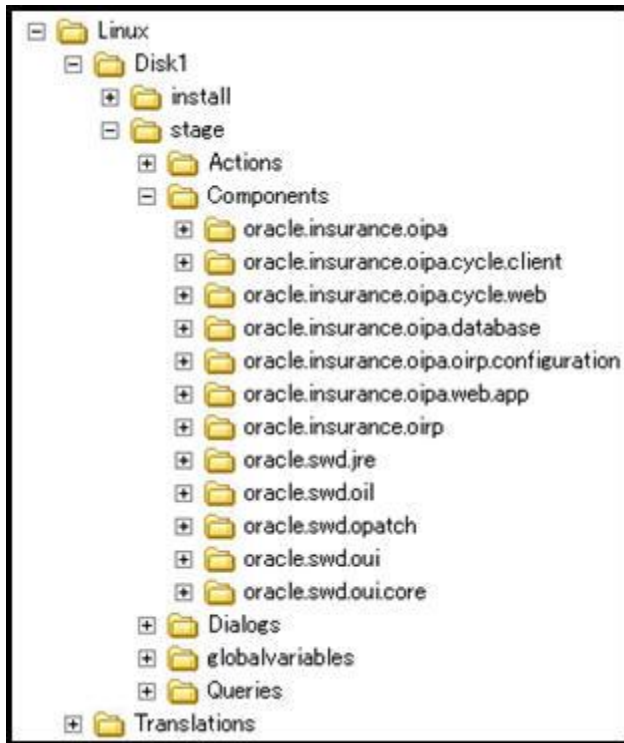
To check the Xconnection configuration, execute the `xclock` command at the install user prompt. If `xclock` does not execute successfully, then execute the following steps:

Go to the log in user prompt and run the following commands.

1. `xauth extract - :`echo $DISPLAY |awk -F: '{print $2}'` | sudo su - <user> -c "xauth merge -"`
Here replace <user> with the respective user from where you want to run the installer
For Example: `$ xauth extract - :`echo $DISPLAY |awk -F: '{print $2}'` | sudo su - gbuora -c "xauth merge -"`
2. Log in to the respective user and run the `xclock` command to check the configuration done properly

Installation Package structure

The following diagram will show the Oracle Installer package structure



Installation Package Structure

INSTALLATION PROCESS

The following sections will walk through the installation process.

Installing the OIPA Schema in Oracle Database

Pre-Schema Installation Checks

Run the following commands as ORACLE user to know oracle variables status, if not set export manually

1. echo \$ORACLE_SID
If not set, export. Example: export ORACLE_SID=DB11G
2. echo \$ORACLE_HOME
If not set, export. Example: export ORACLE_HOME=/u01/app/oracle/product/11.2.0/db_1
3. echo \$PATH
If not set, export. Example: export PATH=\$PATH:\$ORACLE_HOME/bin

Installing the OIPA Schema

Make sure you are as Oracle owner user and go to the Linux/Disk1/ directory and run the **runInstaller.sh** file.

For example:

```
[oracleuser@slc01hfz install]$OIPA_INSTALLER_HOME/Linux/Disk1/runinstaller.sh -jreLoc
/opt/jdk1.6.0_41
```

Note: Click on each field on the screen to get more information in the message window at down

1. On the Installer's Welcome page, click **Next**.
2. Select Install OIPA Database , make sure that drop down has Oracle entry and click **Next**.
3. Enter or select the OIPA Database installation (Make sure Oracle user has full permissions on the folder) and Oracle inventory paths. Click **Next**.
4. Enter the server name, port, system ID (SID) and DBA user credentials for the Oracle Database. Click **Next**.
5. Enter the OIPA schema, OIPA Read-only and Search user credentials and click **Next**.
6. Enter the IVS schema user credentials and click **Next**
7. Review the information on the Summary page.
8. Click **Install** to begin the installation.

Post-Schema Installation Checks

Follow these steps to check that the installer successfully installed the required schemas in the database:

1. Run the command `$ sqlplus`.
2. Enter your user name. This is the DBA username specified during installation.

3. Enter your password. This is the DBA password specified during installation.
4. Run the SQL query `SELECT DISTINCT Username FROM dba_users`. The query should show the OIPA users created by the installer.
5. Run the SQL query. Example: `CONNECT oipa_user/oipa_user@DB11G`.
6. Select any table. The records for that table should be displayed.
7. Run the SQL query to check the populated data the tables. Example: `SELECT * FROM ASCODE;`

Installing OIPA, OIRP, Cycle Agent and Cycle Client

Before starting the OIPA, OIRP and cycle installation, make sure to manually check the following node manager settings: Note: Click on each field on the screen to get more information in the message window at down

1. In the node manager properties file,
`/opt/Middleware/Home_11G/wlserver_10.3/common/nodemanager/nodemanager.properties`,
change the value of `DomainRegistrationEnabled` to **true**.

Note: If weblogic server is newly installed and `nodemanager.properties` file is not available in the above path, run the following (step 2) `startNodeManager` command to create the `nodemanager.properties` file.

2. Kill the nodemanager if it is already running and start the node manager by executing the following command as weblogic user

```
[weblogicuser@slc01hfhz]$opt/Middleware/Home_11G/wlserver_10.3/server/bin/startNodeManager.sh
```

3. Make sure you are running as Weblogic owner user and go to the `Linux/Disk1` directory and run the **runInstaller.sh** file

Example:

```
[weblogicuser@slc01hfhz install]$OIPA_INSTALLER_HOME/Linux/Disk1/runinstaller.sh -jreLoc /opt/jdk1.6.0_4
```

4. On the Installer's Welcome page, click **Next**.
5. Select Install OIPA application on Server , make sure that drop down has Weblogic Server and click **Next**.
6. Enter or select the OIPA installation path (Make sure current user has full permissions on that folder). Click **Next**.
7. Page will display list of the applications to be installed and click **Next**.
8. Enter or select the path to the WebLogic home directory (Example: `/u02/oracle/middleware/wlserver_10.3`). Click **Next**.
9. Enter the domain name, WebLogic Admin Port, OIPA Listening Port and WebLogic user credentials. Click **Next**.
10. Enter the database server name, port, and SID, as well as the OIPA, OIPA Read-only, OIPA search user credentials. Click **Next**.
11. Make any necessary updates to the `PAS.properties` file. There are five pages in total relating to this file.
12. Make any necessary updates to the Coherence configuration and click **Next**.

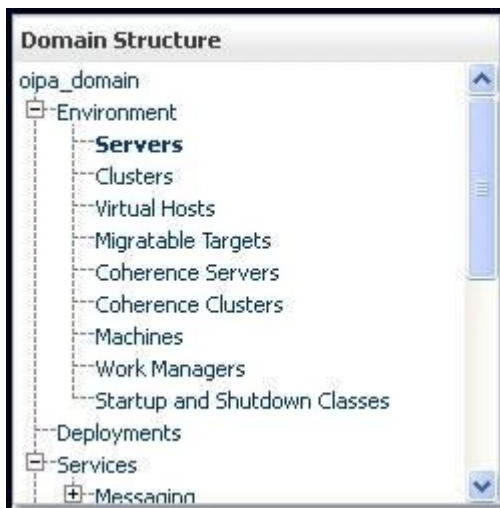
13. Enter or select the OIRP download directory.
14. Make any necessary updates to the cycle.properties file of the cycle agent. There are four pages in total relating to this file.
15. Make any necessary updates to the cycle agent Coherence configuration and click **Next**.
16. Make any necessary updates to the cycle.properties file of the cycle client and click **Next**.
17. Make any necessary updates to the cycle client Coherence configuration and click **Next**.
18. Review the information on the Summary page.
19. Click **Install** to begin the installation.

Post-OIPA Installation Checks

Before following the steps below, log in to the WebLogic administration console using the location specified during installation. For example: <http://localhost:3080/console>). Use the WebLogic credentials specified during installation.

Check the Servers' Statuses

1. Click **oipa_domain** in the Domain Structure box on the left side of the screen.
2. Expand the **Environment** node and click **Servers**. The servers just installed should be listed as **RUNNING**.



The Servers node within the WebLogic Domain Structure

Check the Deployed Applications' Statuses

1. Click **oipa_domain** in the Domain Structure box on the left side of the screen.
2. Expand the **Environment** node and click **Deployments**. The applications just installed should have a state of Active.



Deployments node within the WebLogic Domain Structure

To check cycle, ensure that **run.sh** (located in the `/usr/oipa/OIPA_Home/CycleClient/bin/` folder) executes successfully from the cycle client.

Log in to OIPA and the Web Application Utility

1. For OIPA, go to `http://localhost:10000/PASJava/` in Internet Explorer.
2. For the Web Application Utility, go to `http://localhost:11000/PaletteConfig` in Internet Explorer.

Note: In the above URLs, remember to substitute the server name and port number for those that were specified during installation.

UNINSTALL PROCESS

To uninstall the applications and/or the OIPA database follow the steps below.

Uninstall OIPA, OIRP and Cycle

1. Run the de-installer using weblogic owner. Go to oui/bin directory of OIPA home (where application was installed) directory and execute runInstaller –deinstall

Example: [wlsuser@slc01hfz install]\$OIPA_HOME/oui/bin/runinstaller.sh -deinstall -jreLoc /opt/jdk1.6.0_41

2. On the installer's Welcome page, click **Next**
3. OIPA Home path details will be displayed, click **Deinstall** to de-install the OIPA application
4. A warning message will be displayed, click on 'Yes' for complete de-installation
5. De-installation complete page will be displayed once the de-installation is done, click **Finish**

Uninstall OIPA Database Schema

1. Before running database de-installation, make sure that database is up and OIPA schema users are not in use. Go to sqldeveloper and disconnect the connections to oipa users if already connected.

2. Run the de-installer using oracle owner. Go to oui/bin directory of OIPA ORACLE HOME (Path was given during OIPA database schema installation) directory and execute runInstaller –deinstall

Example: [gbuora@slc01hfz install]\$ORA_HOME/oui/bin/runinstaller.sh -deinstall -jreLoc /opt/jdk1.6.0_41

3. On the installer's Welcome page, click **Next**
4. OIPA Oracle Home path details will be displayed, click **Deinstall** to de-install the OIPA oracle schema
5. A warning message will be displayed, click on 'Yes' for complete de-installation
6. De-installation complete page will be displayed once the de-installation is done, click **Finish**