ORACLE
INSURANCE

Oracle® Insurance Policy Administration Installer for Oracle Weblogic and MS-SQLServer

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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 5.9 64-bit
- Microsoft SQL Server 2014 on Windows (should be running on Windows Server 2012 R2 x86_64)
- Oracle WebLogic Server 12c
- Sun Java SE 1.6.0_41 or later and 500MB of hard disk space

Coherence Compatibility

1. Logon to Oracle website and download the coherence jar using the below url:
   `http://www.oracle.com/technetwork/middleware/coherence/downloads/index.html`

   (`Version: Coherence 3.7.1.0`)

2. Web logic 12 C(version 12.1.2) is bundled with coherence 12 by default as OIPA uses Coherence 3.7.1.0 we will have to manually replace the coherence 12 jar with coherence 3.7.1.0 in the location where the web-logic is installed.

   Ex: `/opt/oracle/Middleware/Oracle_Home/coherence/lib/Coherence.jar` with the coherence 3.7.1.0 jar downloaded above.

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 sqlcmd in cmd-dos, and should be the owner of the SQLServer Instance.
- 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.
- Make sure that associated group owner of Oracle inventory folder should be shared `with Weblogic` user. Also group us`ers should` have write permissio`ns on oracle` inventory folder.

JDBC Driver Setup for Weblogic with JTDS

1. Download jtds-1.2.2.jar from http://sourceforge.net/projects/jtds/files/jtds/1.2.2/
2. Update **WEBLOGIC_CLASSPATH** entry. Open file and add the entry for jtds jar as shown below for the file ${WL_HOME}/common/bin/commEnv.sh

```
WEBLOGIC_CLASSPATH="${JAVA_HOME}/lib/tools.jar${CLASSPATHSEP}${WL_HOME}/server/lib/weblogic_sp.jar${CLASSPATHSEP}${WL_HOME}/server/lib/weblogic.jar${CLASSPATHSEP}${FEATURES_DIR}/weblogic.server.modules_10.3.6.0.jar${CLASSPATHSEP}${WL_HOME}/server/lib/webservices.jar${CLASSPATHSEP}${ANT_HOME}/lib/ant-all.jar${CLASSPATHSEP}${ANT_CONTRIB}/lib/ant-contrib.jar${CLASSPATHSEP}${WL_HOME}/server/lib/jtds-1.2.2.jar"
```

Once updated Kill if any existing weblogic process and set the environment by running ${WL_HOME}/server/bin/setWLSEnv.sh. You should see the new entry in the class path.

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

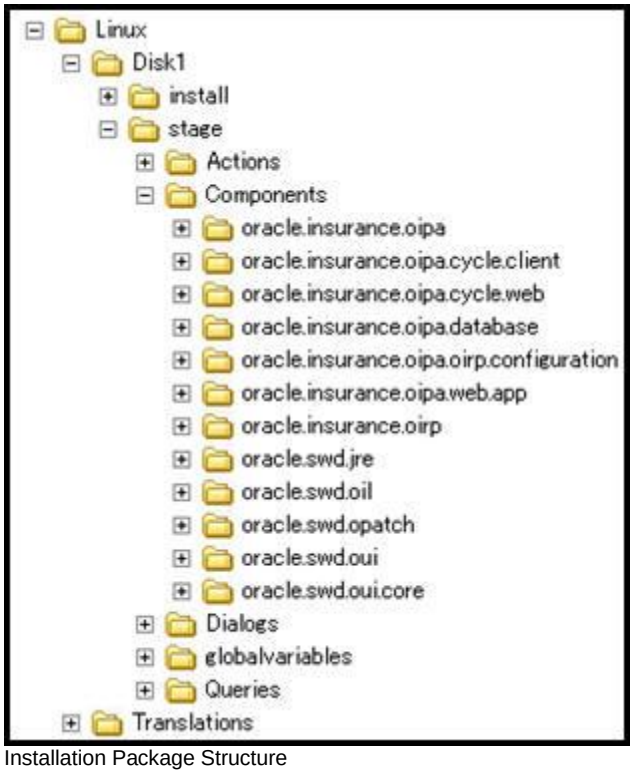
   merge -"

2. Log in to the respective user and run the xclock command to check the configuration done properly

Launch Utility

In Linux, the following shell file needs to be executed in order to start the installer. Go to the `Linux/Disk1/install/ directory` and run the **runInstaller.sh** file. It will ask to provide the jdk path. For example:

```
[gbuora@slc01hfz install]$OIPA_INSTALLER_HOME/Installer/Disk1/runinstaller.sh –jreLoc
/opt/jdk1.6.0_41
```



Installation Package Structure

In Windows, browse to the same location and run **`setup.exe`**. In case the proper jdk is not set in windows use the jreLoc switch to the appropriate jdk.

For **eg**: `C:\OIPA_Installer_10...\Installer\Disk1> setup.exe -jreLoc C:\Java\jre7`

INSTALLATION PROCESS

The following sections will walk through the installation process.

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

Installing the OIPA Database in SQLServer

1. On the Installer's Welcome page, click **Next**.
2. Select Install OIPA Database **,** make sure that drop down has MS_SQLServer entry and click **Next**.
3. Enter or select the Database Home installation and inventory paths. Click **Next**.
4. Enter the SQLServer Instance name, DBA user credentials, Database name for OIPA database. Click **Next**.
5. Specify the OIPA db owner and OIPA Read-only user credentials and click **Next**.
6. Specify the IVS user credentials, database name and click **Next**
7. Review the information on the Summary page.
8. Click **Install** to begin the installation.

Post-Database Installation Checks

Follow these steps to check that the installer successfully installed the required tables, etc in the database:

1. `Open MS-SQLServer Management Studio.`
2. Login to the instance used for the installation using the credentials provided in the installer.
3. Navigate to **`Databases > OIPA_DB > Tables`**.
4. Run the SQL query to check the populated data the tables. Example: `SELECT * FROM ASCODE;`
5. You can also check users created and their permissions under **`Security > Logins`** after logging in from the Instance admin user.

Installing OIPA, OIRP, Cycle Agent and Cycle Client

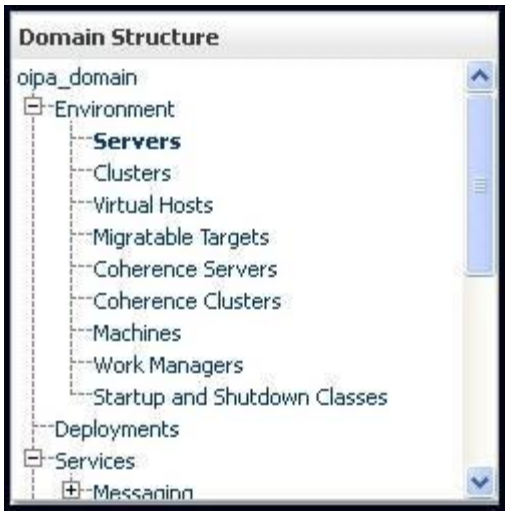
1. Launch the Installer wizard (see the Launch Utility section).
2. On the Installer's Welcome page, click **Next**.
3. Select Install OIPA application on Server , make sure that drop down has Weblogic Server and click **Next**.
4. Enter or select the OIPA installation path. Click **Next**.
5. View the applications to be installed and click **Next**.
6. Enter or select the path to the WebLogic home directory. Click **Next**.
7. Enter the domain name, WebLogic Admin Port, OIPA Listening Port and WebLogic user credentials. Click **Next**.
8. Choose **`MS-SQLServer`** from the database type dropdown.
9. Enter the database server name, port, and SID, as well as the OIPA, OIPA Read-only, OIPA search user credentials. Click **Next**.
10. Make any necessary updates to the PAS.properties file. There are five pages in total relating to this file.
11. Make any necessary updates to the Coherence configuration and click **Next**.
12. Make any necessary updates to the cycle.properties file of the cycle agent. There are four pages in total relating to this file.
13. Make any necessary updates to the cycle agent Coherence configuration and click **Next**.
14. Make any necessary updates to the cycle.properties file of the cycle client and click **Next**.
15. Make any necessary updates to the cycle client Coherence configuration and click **Next**.
16. Review the information on the Summary page.
17. 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:7001/console). Use the WebLogic credentials specified during installation.

Check the Servers' Statuses

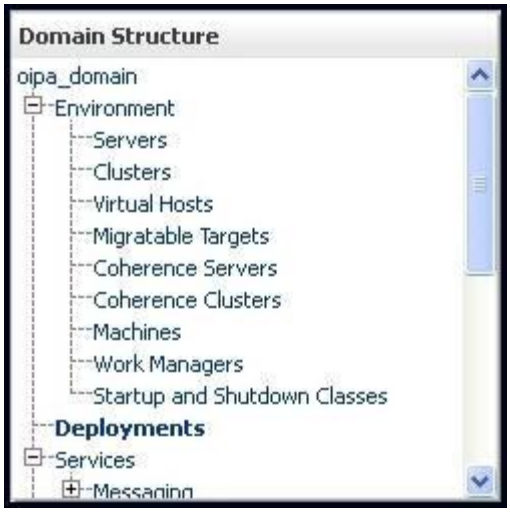
1. Click **oipa_domain** in the Domain Structure box on the left side of the screen.
2. Expand the **Environment** node and click **Servers**. The servers just installed should be listed as RUNNING.



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.

Data Intake Setup

Please follow the data Intake setup document.

Rules Palette IDE Setup

The Installer will place OIRP_10.2.1.0.zip at OIPA_HOME/OIRP OIRP location. It will be also available for download from the PaletteWeb application once it is configured. Follow the Rules Palette documentation for details.

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 Database

Note: Ensure Application is un-installed first before proceeding with database un-install.

1. Login to SQLServer Management Studio with Instance and Admin user (Eg: sa).
2. Right Click on the installed databases under Databases > OIPA_DB and select **Delete.**
3. Do the same for created users in **Security > Login**