ORACLE
INSURANCE

Oracle Insurance Insight

Oracle Insurance Insight Installation Guide

version 7.0

Part Number: E22075-01

December 2010

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Preface

The *Oracle Insurance Insight Installation Guide* provides instructions for installing and configuring Oracle Insurance Insight (OII) V7.0 and all required prerequisite software.

VERSION

This manual corresponds to Oracle Insurance Insight (OII) version 7.0.

INTENDED AUDIENCE

This manual is intended for users and administrators with knowledge of the insurance industry.

RELATED OII DOCUMENTATION

For more information, refer to the following documents:

- *Oracle Insurance Insight Release Notes*
- *Oracle Insurance Insight Warehouse Palette User Guide*
- *Oracle Insurance Insight Implementation Guide*
- *Oracle Insurance Insight Administration Guide*
- *Oracle Insurance Insight User Guide*

OII Documentation on the Oracle Technology Network (OTN)

The OII documentation set is packaged with the product release. You can also obtain these guides online thought the Oracle Technology Network (OTN) at this address:

http://www.oracle.com/technetwork/documentation/insurance-097481.html

Customer Support

If you need help with OII, please log a Service Request using My Oracle Support at"

https://support.oracle.com

Address any additional inquiries to:

Oracle Corporation
World Headquarters
500 Oracle Parkway
Redwood Shores, CA 94065
U.S.A.

Worldwide Inquiries:
Phone: +1.650.506.7000
Fax: +1.650.506.7200
oracle.com

Chapter 1

System Information

Configuration and Installation Requirements

Required Information

You must have the following information on hand for the OII installation:

- Oracle Database server name or IP Address
- Oracle Database host name
- Oracle Database user name/password

The Domain user account which will have Administrator privilege on local machine and database access rights on the database server.

Administrator Privileges

The user must log in with the Domain user account mentioned above on the machine on which you are installing OII.

Database Server Environment

Operating Systems:

- Windows Server 2003 or HP-UX 11 iv3

Prerequisite Software:

- Oracle Database 11g

Hardware Requirements:

- **CPU:** (4) 2GHz processors or higher
- **RAM:** 8GB or higher

APPLICATION SERVER ENVIRONMENT

Operating Systems:

Windows Server 2003 or HP-UX 11 iv3

Prerequisite Software:

- Oracle Database Client 11g
- Oracle WebLogic Application Server 11g
- Oracle JDeveloper 11g
- Oracle Business Intelligence Enterprise Edition 10.1.3.4.1 or higher
- Oracle Data Integrator 11g
- Oracle Application Express Release 4
- JDK 1.6.0
- 7-Zip

Hardware Requirements:

- **CPU:** 2GHz or higher
- **RAM:** 2GB or higher
- **Disk Space:** 6.5GB
- **Temporary Disk Space:** 4GB

Web Browser:

- Microsoft Internet Explorer Version 7.0 or later
- Mozilla Firefox 3.5 or later

Chapter 2

Installing Oracle Database Client

Required Version: Oracle Database Client 11g

Download: To download Oracle Database Client, enter the following URL in your browser:

http://www.oracle.com/technetwork/database/enterprise-edition/downloads/index.html

Documentation: This chapter is not a complete installation guide for Oracle Database Client 11g. It is provided to guide you through the Oracle Database Client installation process and select the options that are best suited for use with OII.

The full Oracle Database Client documentation set can be found at:

http://www.oracle.com/technetwork/database/enterprise-edition/documentation/index.html

The high-level instructions for installing and configuring Oracle Database Client 11g consists of these steps:

Table 1: Installation Road Map

Step	Description
Step 1	Download Oracle Database Client
Step 2	Install Oracle Database Client
Step 3	Create a Client Connection with Net Manager

STEP 1: DOWNLOAD ORACLE DATABASE CLIENT 11G

1. Create a temporary directory on your computer where you can download the Oracle Database Client installation file (e.g., **temp_client**).
2. Load the following URL into your browser to open the **Oracle Database Software Downloads** page:

   http://www.oracle.com/technetwork/database/enterprise-edition/downloads/index.html
3. Under the section, **Oracle Database 11g Release 2**, click on the "See All" link next to the relevant platform for your system. The Downloads page for **Oracle Database 11g Release 2** will open.
4. Click "Accept License Agreement" at the top of the page.

5. Go to the **Oracle Database 11*g* Release 2 Client** section, (e.g., **Oracle Database 11*g* Release 2 Client (11.2.x) for Microsoft Windows (32-bit)**), and click on the ZIP file link for the Oracle Database Client (e.g., **win32_11gR2_client.zip**).
6. Follow the instructions on the screen to go through the registration process and download the Oracle Database Client ZIP file to the temporary directory on your computer.
7. Go to the temporary directory and use the 7-Zip utility to extract the contents of the Oracle Database Client ZIP file. This will create a directory bearing the name of the ZIP file under the temporary directory.(e.g., **c:\temp_client\win32_11gR2_client**).

STEP 2: INSTALL ORACLE DATABASE CLIENT 11G

1. Locate the *setup.exe* file in the directory where you extracted the Oracle Database Client ZIP files in the previous section. This file will be usually located in the **client** directory under the unzipped directory

   (e.g., **C:\temp_client\win32_11gR2_client\setup.exe).**
2. Double-click *setup.exe*. The Oracle Universal Installer will launch. The first screen in the installer will be the **Select Installation Type** screen.

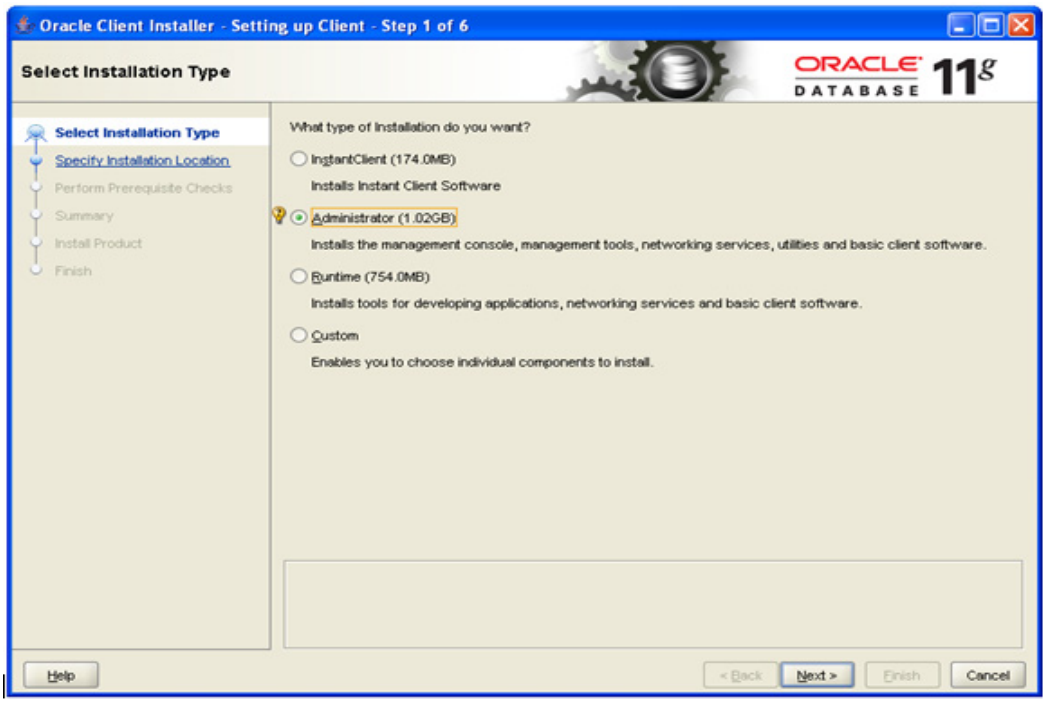


Figure 1: Select Installation Type Screen

3. Select **Administrator** as the installation type.

4. Click **Next**. The **Select Product Languages** screen opens.

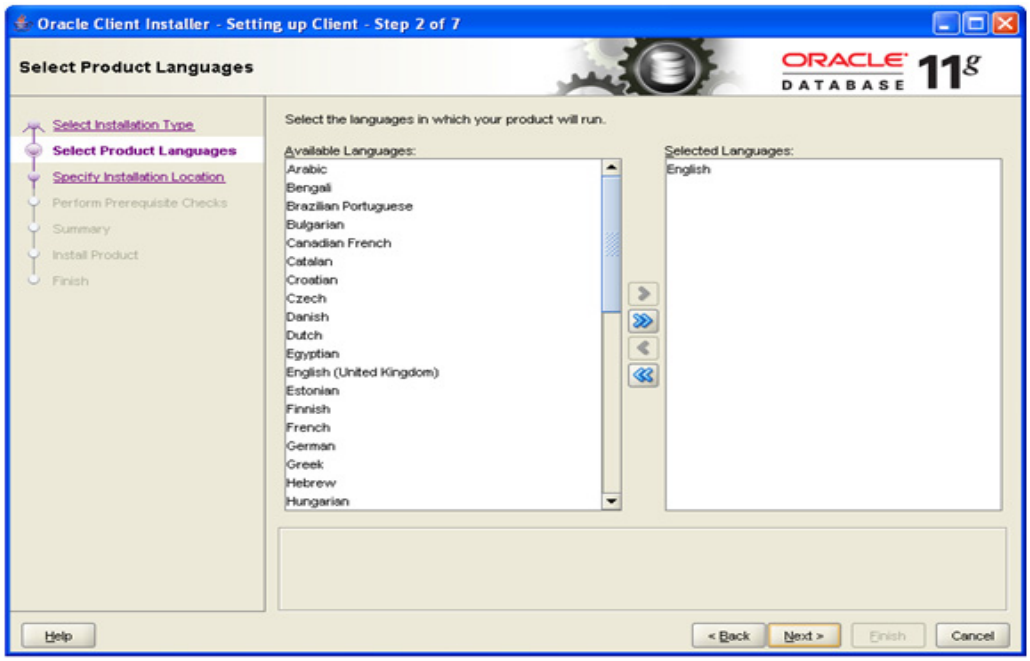


Figure 2: Select Product Languages Screen

5. Select the language in which you want to run the product (English is the selected default).
6. Click **Next**. The **Specify Installation Location** screen opens.

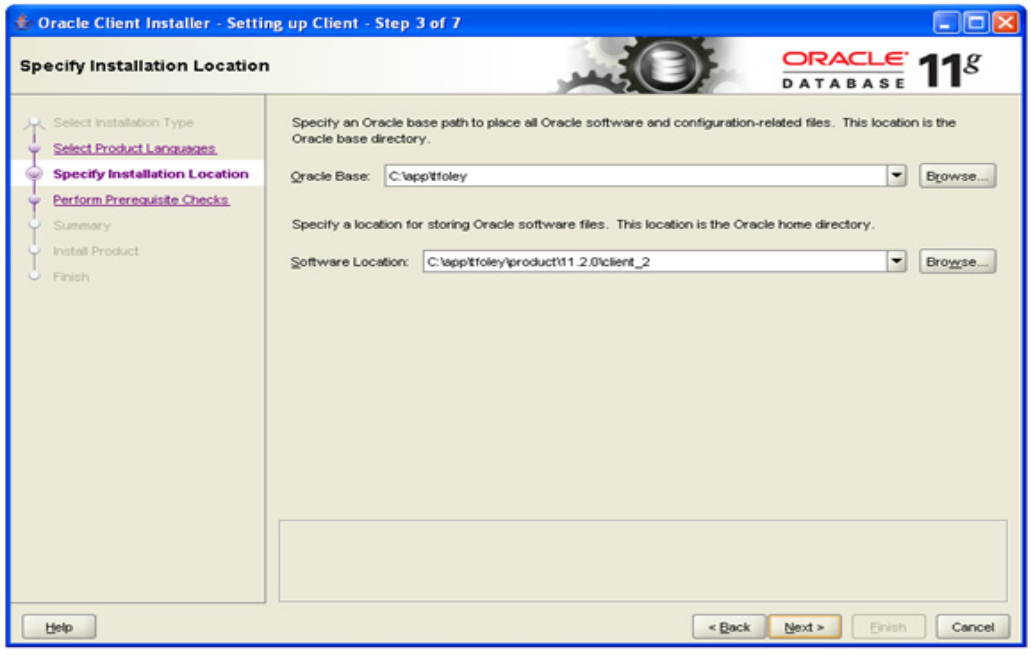


Figure 3: Specify Installation Location Screen

7. Accept the defaults for the installation directories or specify different ones as you see fit.

8. Click **Next**. The **Perform Prerequisite Checks** screen verifies that your computer meets the minimum system requirements.

   - If it does not, it will list the prerequisites that have failed.
   - If all prerequisites are successful then you will be transferred to the **Summary** screen.

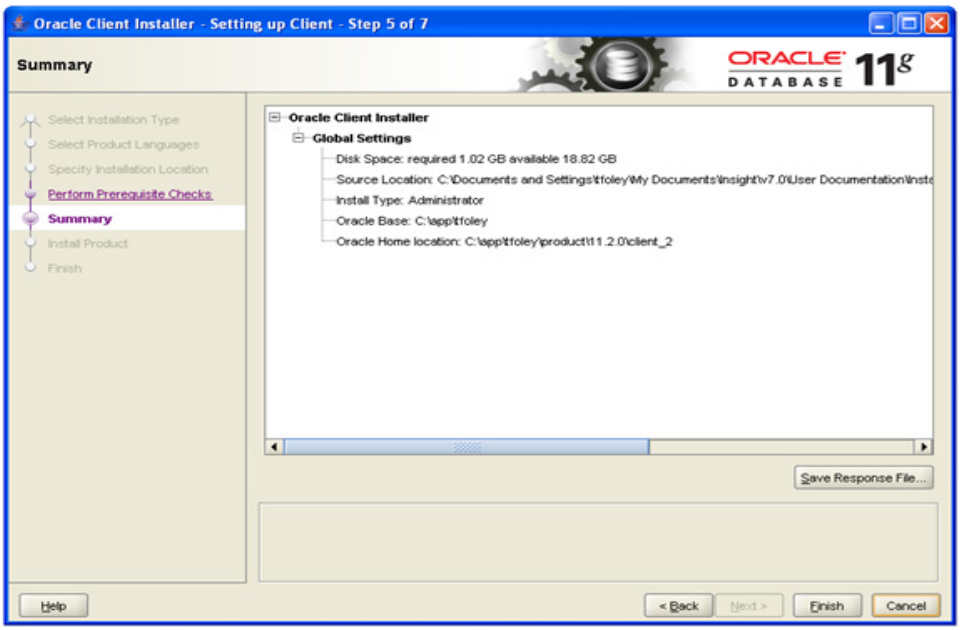


Figure 4: Summary Screen

9. Click **Finish** to start the installation. The **Install Product Screen** will appear and let you follow the progress of the installation. Note that the installation may take a while.

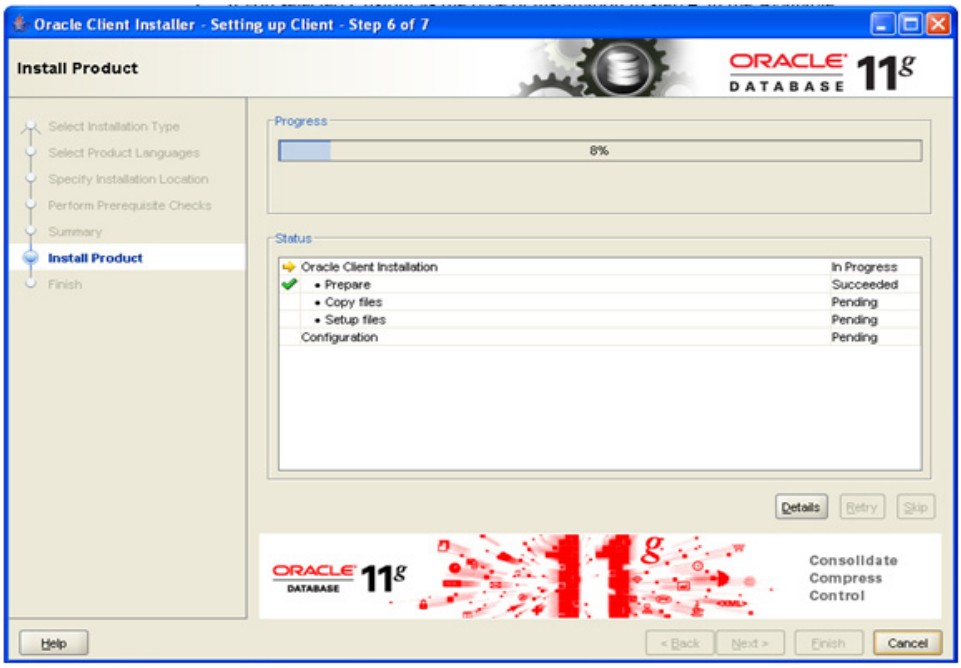


Figure 5: Install Product Screen

10. When the installation has finished, the **Finish** screen will appear.

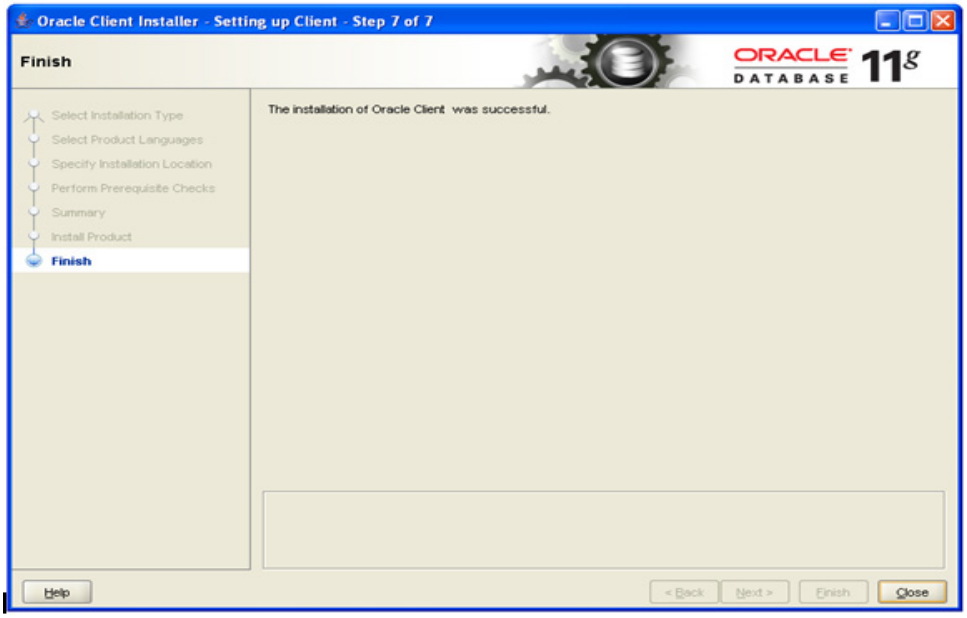


Figure 6: Finish Screen

11. Click **Close** to close the installer.

STEP 3: CREATE A CLIENT CONNECTION

1. Open Net Manager by selecting:
   All Programs >Oracle – OraClient11g_home1>Configuration and Migration Tools>Net Manger

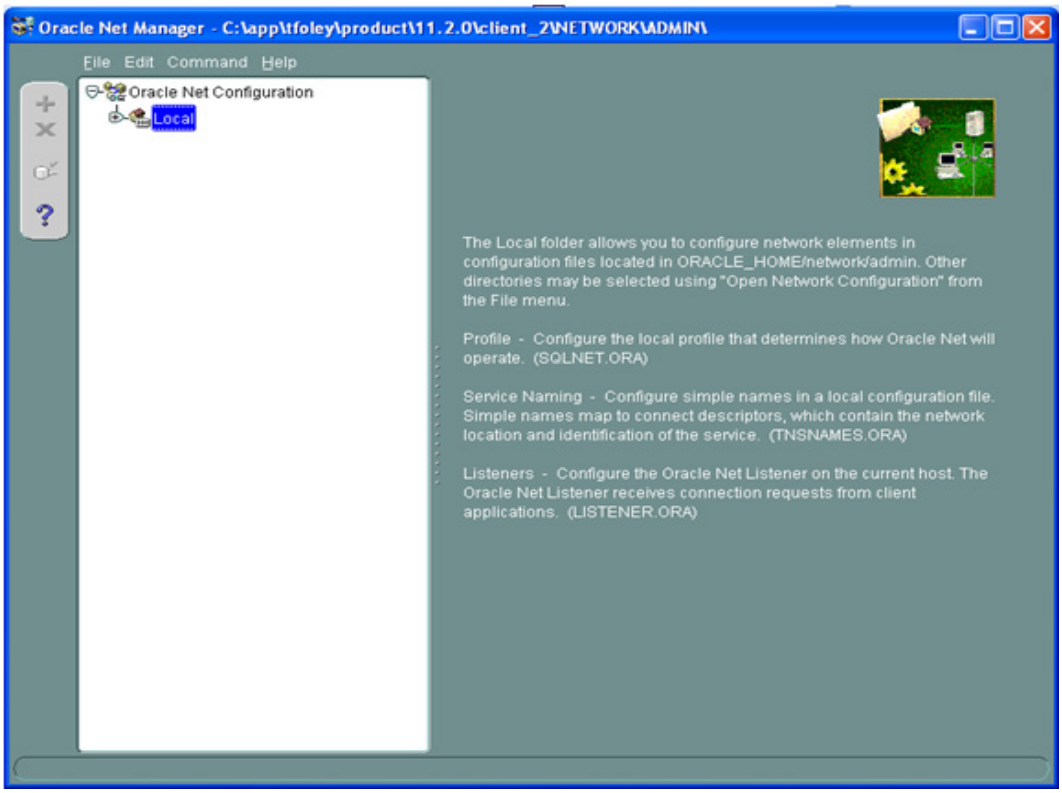


Figure 7: Oracle Net Manager Welcome Screen

2. In the menu on the left, expand the **Local** node and highlight the **Service Naming** node.
3. Click the '+' button to the left of the menu tree. The **Net Service Wizard: Welcome** screen appears.

4. Enter a **Net Service Name.** The name may be any name you choose. For this example we will use **Insight700** as the Net Service Name.

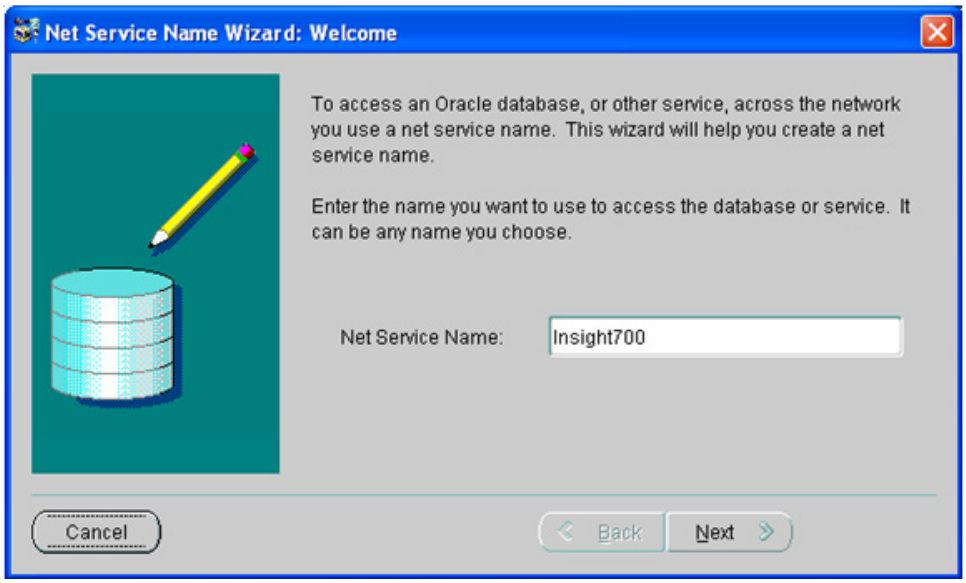


Figure 8: Welcome Screen

5. Click on **Next**. The **Protocol** screen opens.

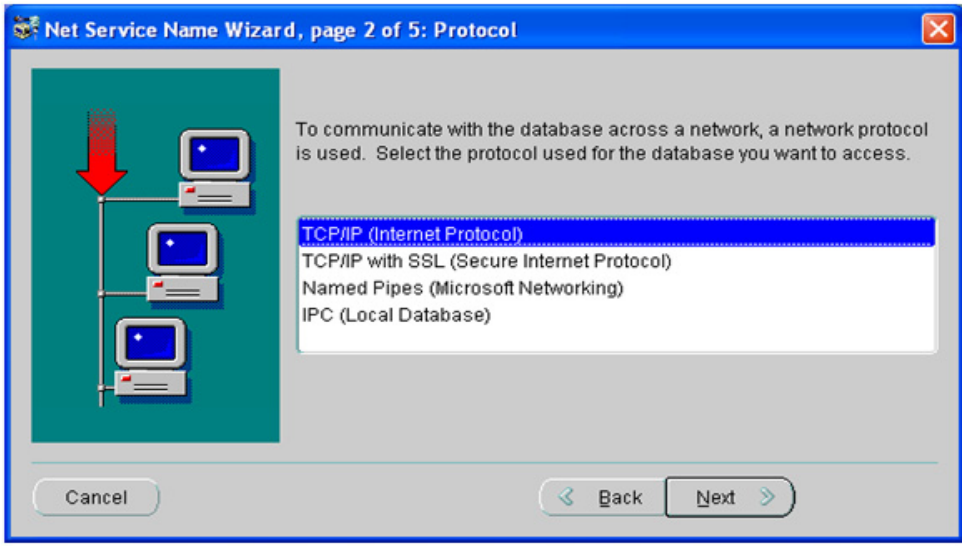


Figure 9: Protocol Screen

6. Keep the default selection ("TCP/IP (Internet Protocol)") and click on **Next**. The **Protocol Settings** screen opens.

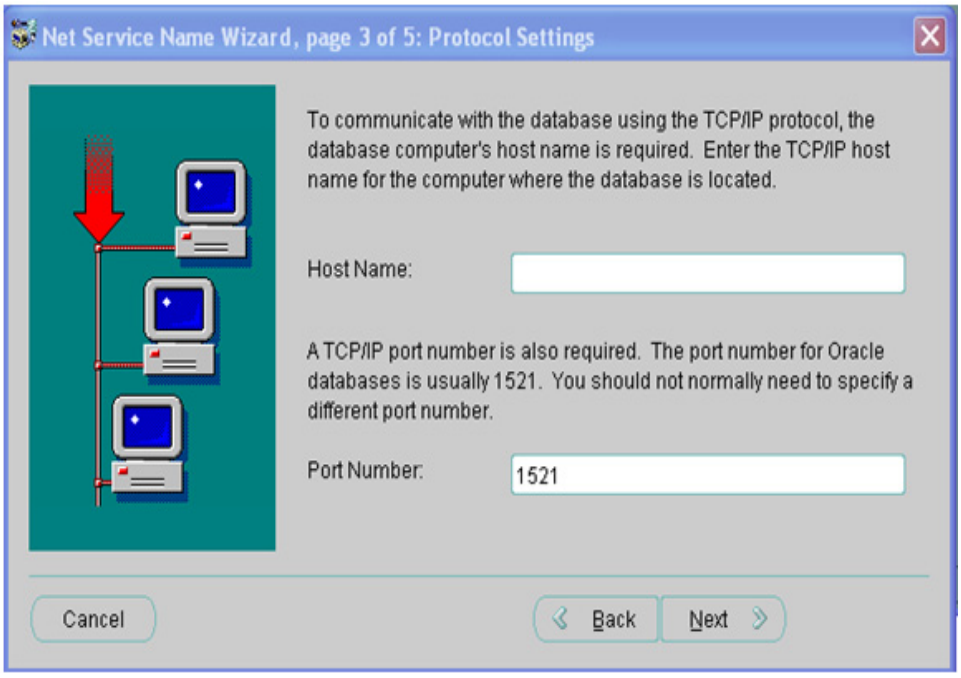


Figure 10: Protocol Settings Screen

7. Enter the following settings on the Protocol Settings screen:

   - **Host Name:** Enter the host name or address where the Oracle database server is located.
   - **Port Number:** Keep **1521** as the default. This is the standard default for Oracle databases.

8. Click **Next**. The **Service** screen opens.

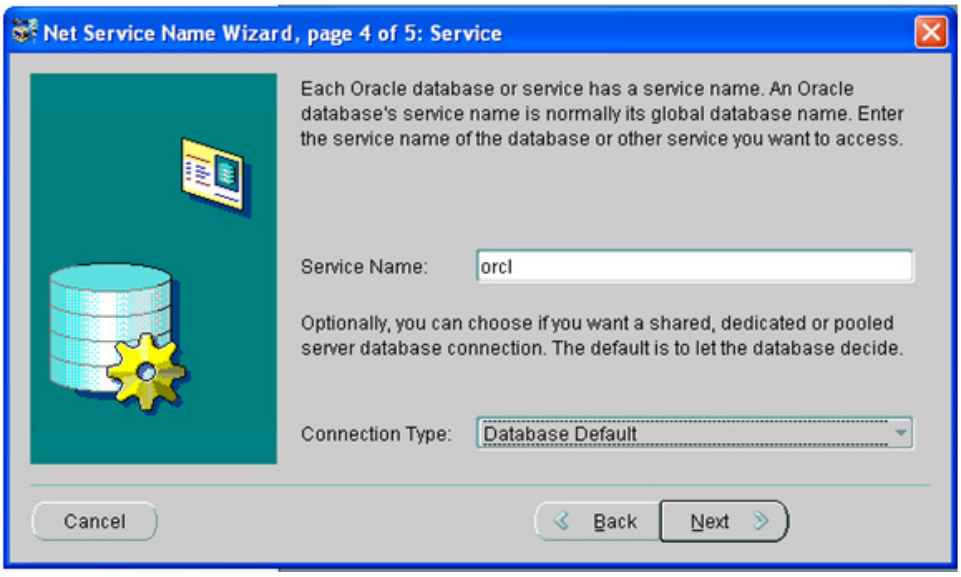


Figure 11: Service Screen

9. Specify the following settings on the **Service Name** screen:
    - **Service Name**: The Service Name name of the database you wish to access. For this example we will use the **orcl** as the Service Name.
    - **Connection Type**: Accept **Database Default** (this is the default selection).
10. Click on **Next**. The **Test** screen opens.

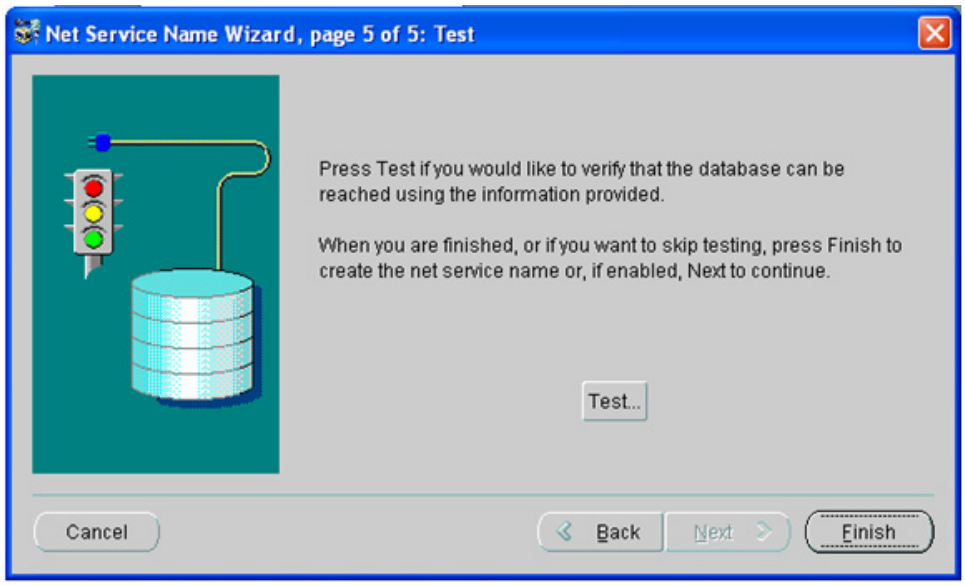


Figure 12: Test Screen

11. Click on the **Test** button to test the database connection. Net Manager will first attempt to connect to the database using the default username and password (scott/tiger) and it will return an error message.

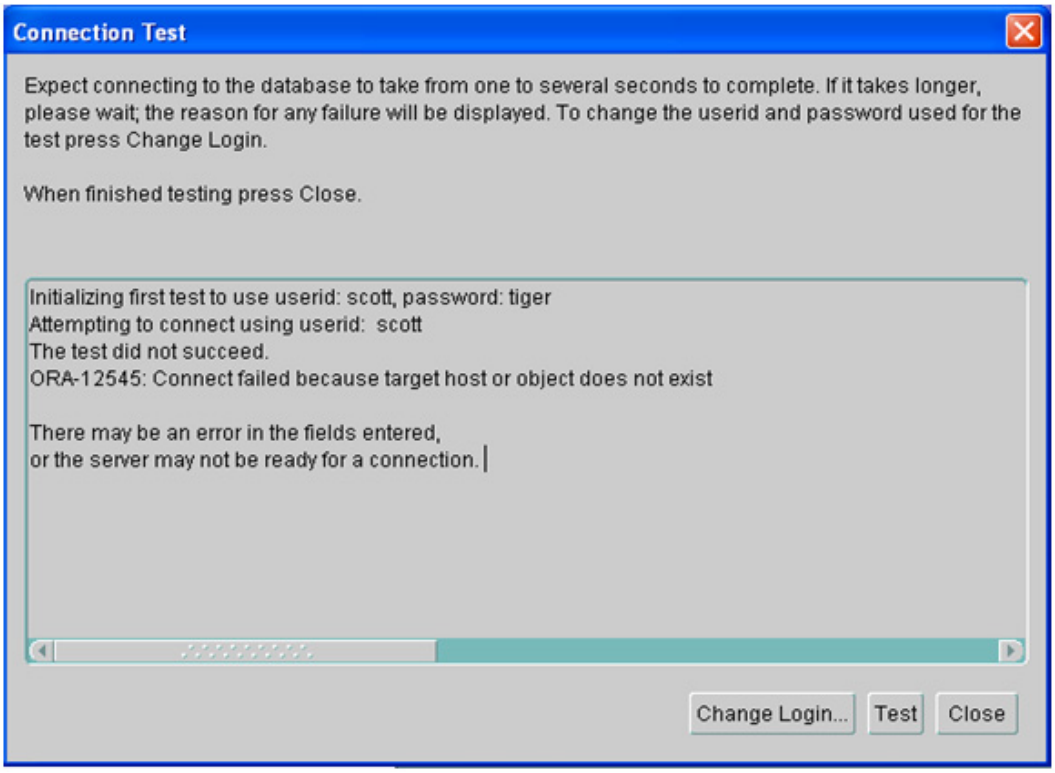


Figure 13: Connection Test Failed

12. Click on the **Change Login** button. A dialog box will appear in which you can specify a username and password that you know exists.

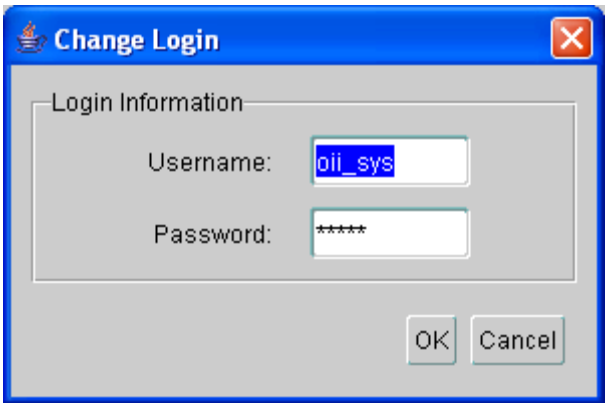


Figure 14: Change Login

13. Click **OK** to close the **Change Login** dialog box.
14. Click the **Test** button. A message indicating a successful connection will appear on the screen:

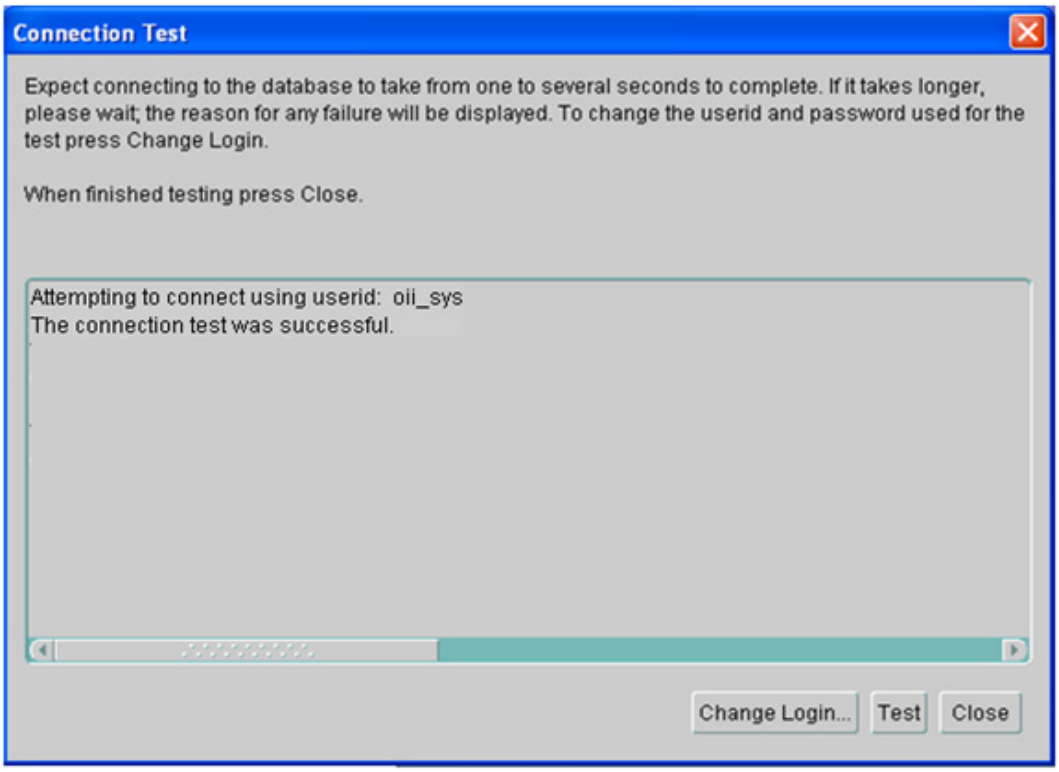


Figure 15: Connection Test Successful

15. Click the **Close** button to close the **Connection Test** screen.

16. Click on **Finish** on the Test screen. The main **Net Manager** screen opens and the connection you just created ill appear under the **Service Naming** folder.

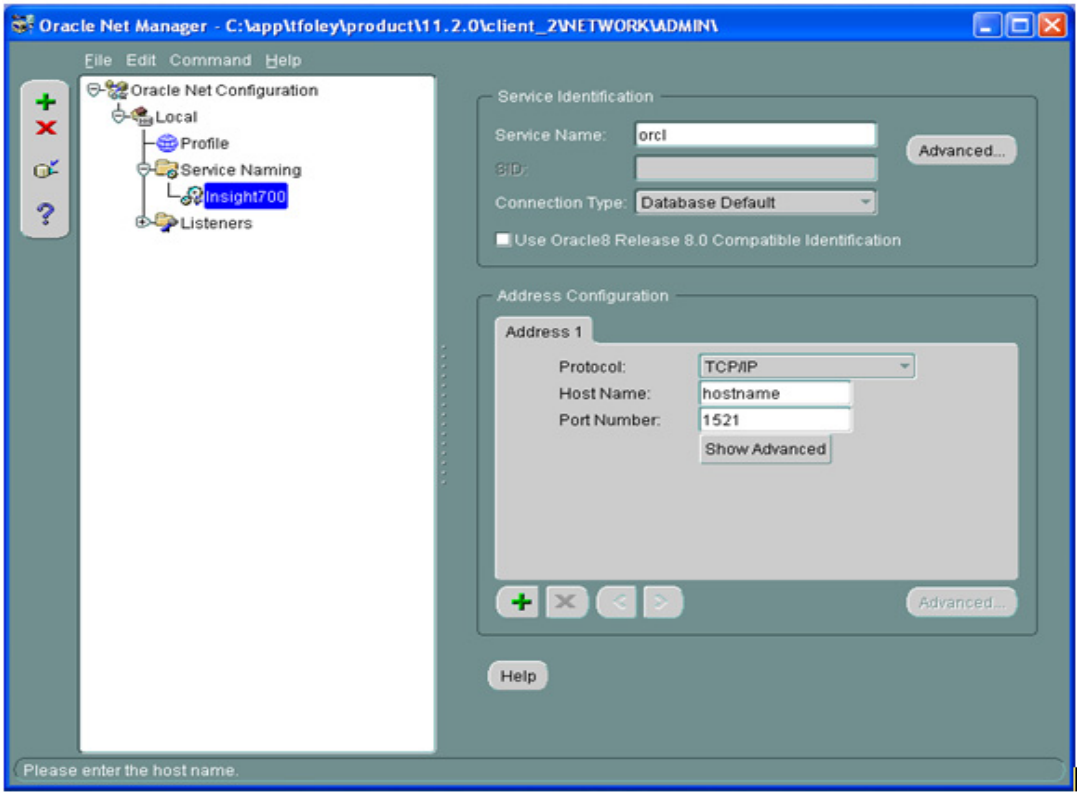


Figure 16: The New Connection Appears Under Service Naming Folder

17. Click on **File>Save Network Configuration** to save the connection.
18. Select **File>Exit** to close the screen.

WHAT'S THE NEXT STEP IN THE INSTALLATION?

The next step in the installation process is to install WebLogic and JDeveloper. Go to:

- *Chapter 3: Installing Oracle WebLogic Server and Oracle JDeveloper*

Chapter 3

Installing Oracle WebLogic Server and Oracle JDeveloper

This chapter describes how to install and configure Oracle WebLogic Server 11g and Oracle JDeveloper 11g.

Download: WebLogic is bundled with the JDeveloper installation file, allowing you to download and install both applications simultaneously.

Note JDeveloper 11.1.1.3.0 is required for use with OII.

The JDeveloper 11.1.1.3.0 installation file can be downloaded from the Oracle Technology Network at the following URL:

http://www.oracle.com/technetwork/developer-tools/jdev/downloads/archives-090457.html

Documentation: This chapter is not a complete installation guide for WebLogic or JDeveloper. It is provided to guide you through the installation process for both applications and select the recommended options that are best suited for use with OII.

The full WebLogic documentation set can be found at:

http://www.oracle.com/technetwork/middleware/weblogic/documentation/index.html

The full JDeveloper documentation set can be found at:

http://www.oracle.com/technetwork/developer-tools/jdev/documentation/index.html

The high-level instructions for installing and configuring WebLogic and JDeveloper consists of these steps:

Table 2: Installation Road Map

Step	Description
Step 1	Download the JDeveloper Installation File
Step 2	Install JDeveloper/WebLogic
Step 3	Create a WebLogic Domain
Step 4	Start the WebLogic Administration Console

STEP 1: DOWNLOAD THE JDEVELOPER INSTALLATION FILE

1. Create a temporary directory on your computer to which to download the JDeveloper installation file (e.g., **C:\temp\jdeveloper**).
2. Load the following URL into your browser to open the **Archives** page for JDeveloper:

http://www.oracle.com/technetwork/developer-tools/jdev/downloads/archives-090457.html

3. Accept the License Agreement at the top of the page.
4. Click on the **Oracle JDeveloper 11g 11.1.1.30** link and follow the instructions on the screen to go through the registration process and download the JDeveloper installation file to the temporary folder on your computer. Note that although the JDeveloper installation file is an executable file it has no .EXE extension (e.g., **jdevstudio11113install**).
5. Once the download is complete, rename the JDeveloper installation file and add an .EXE extension.

STEP 2: INSTALL JDEVELOPER/WEBLOGIC

1. Go to the folder where you downloaded the JDeveloper installation file and double-click it to launch the installer:

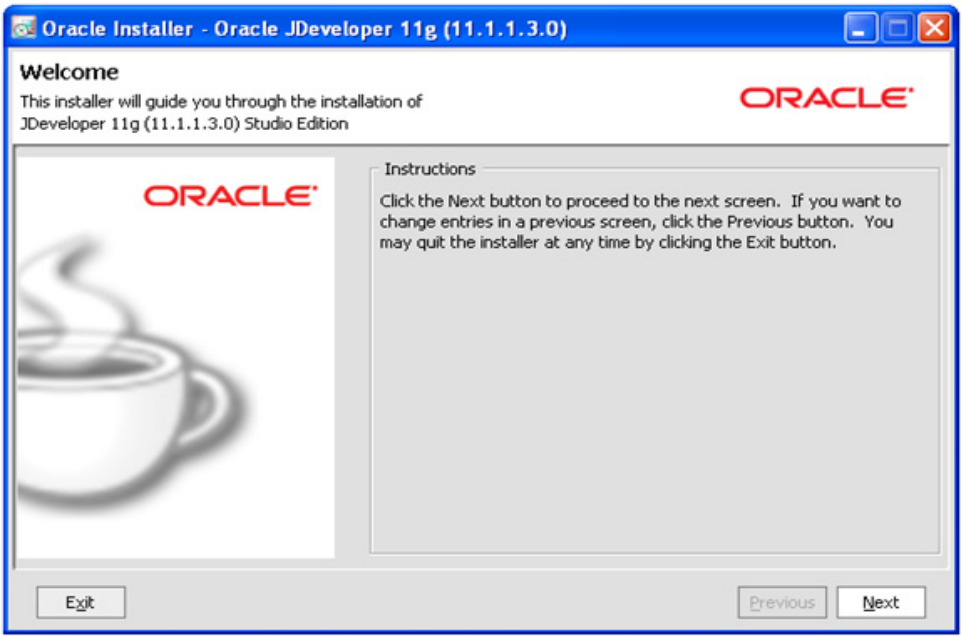


Figure 17: JDeveloper Installer Welcome Screen

2. Click **Next**. The Choose Middleware Home Directory screen appears.

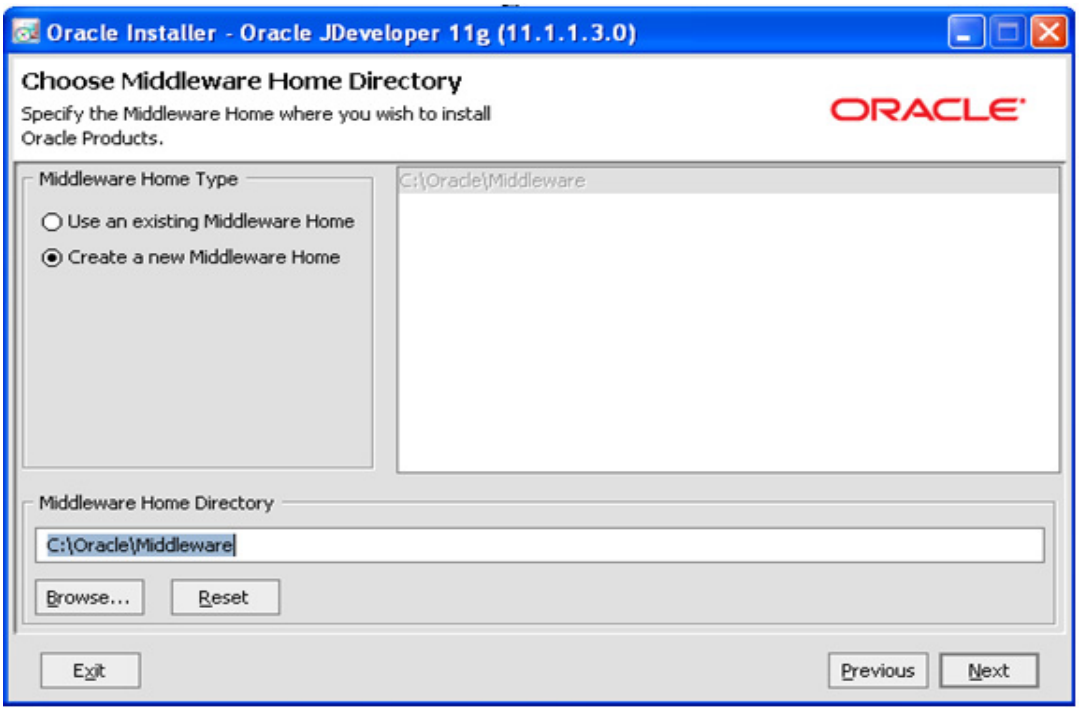


Figure 18: Choose Middleware Home Directories

3. Accept the existing default directory option or enter a new Middleware home directory. This will be the root directory under which WebLogic and JDeveloper will be installed.

4. Click **Next**. The Choose Install Type screen opens.

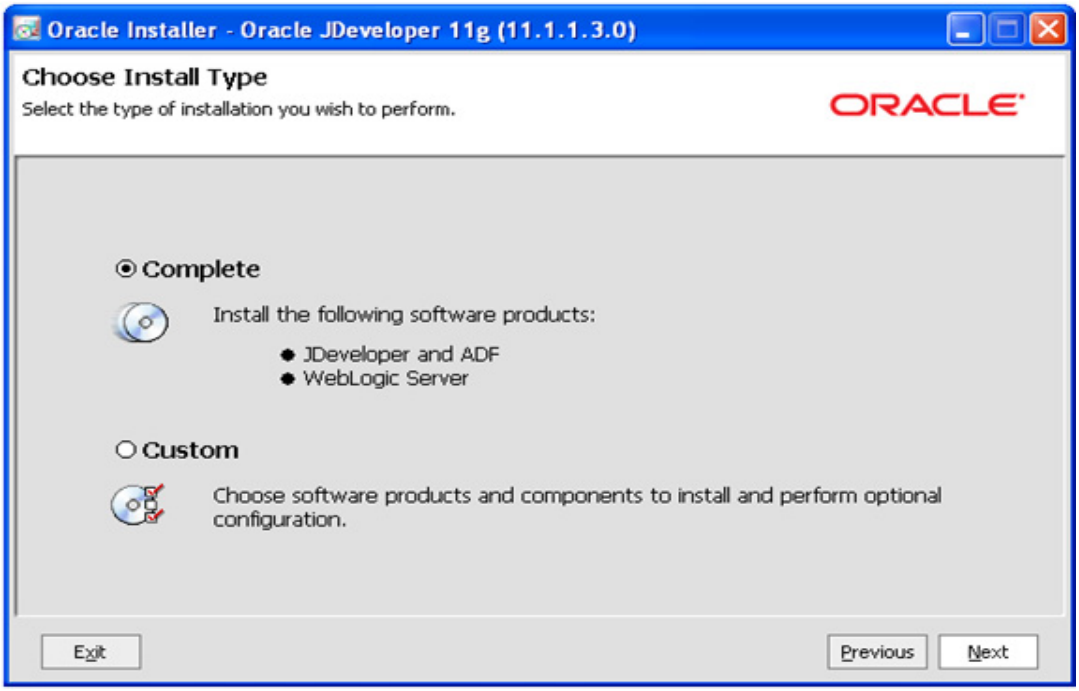


Figure 19: Choose Install Type

5. Select the “Custom” installation type.

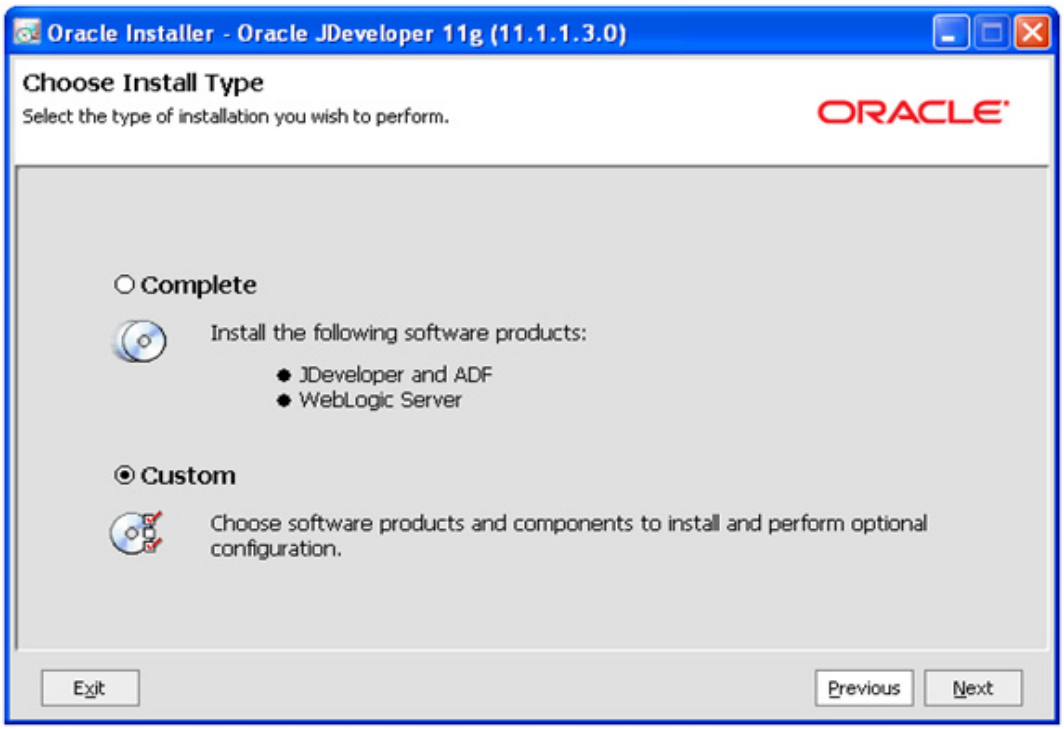


Figure 20: Select the “Custom” Install Type

6. Click **Next**. The Choose Products and Components screen opens.

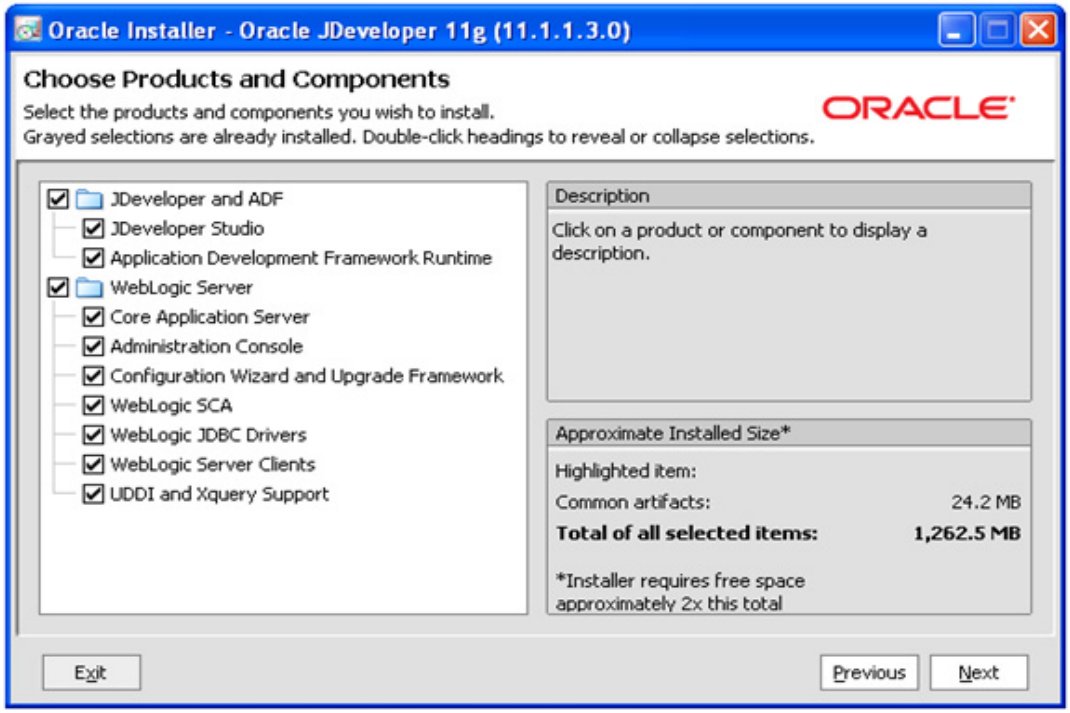


Figure 21: Choose Products and Components

7. On this screen select the following components:
   - **Application Development Framework Runtime**
   - All **WebLogic Server** components
8. De-select **JDeveloper Studio**. The selections on the screen will look like this:

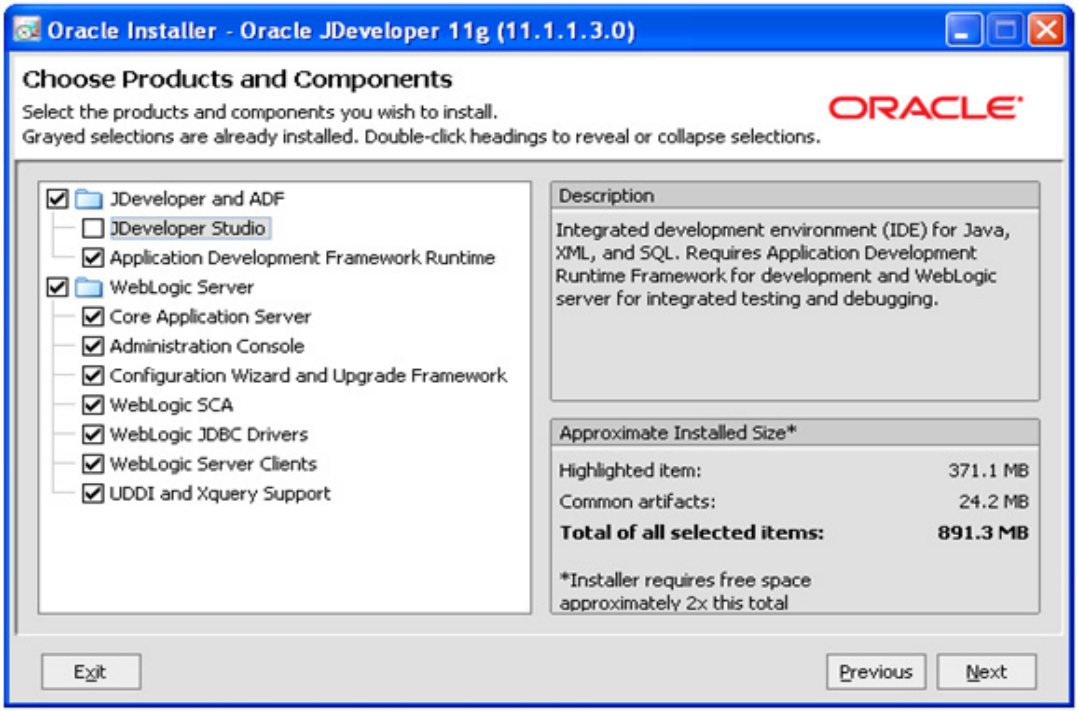


Figure 22: Select ADF and All WebLogic Server Components

9. Click **Next**. The JDK Selection screen opens.

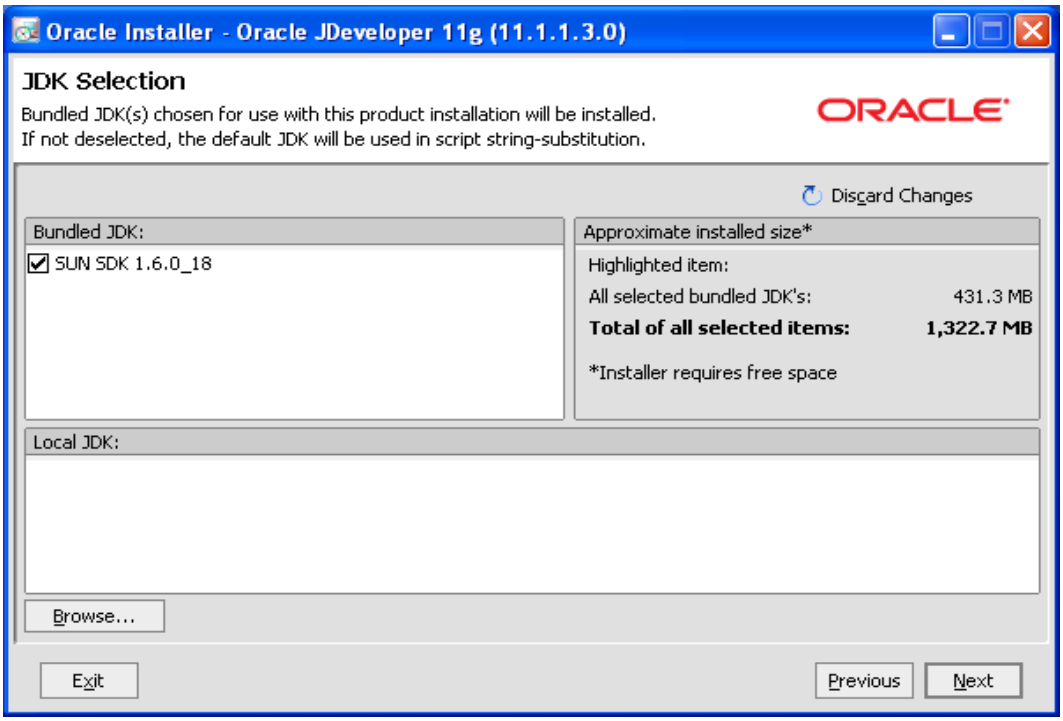


Figure 23: JDK Selection Screen

10. Make sure that the JDK is selected (e.g., SUN SDK 1.6.0_18). By default it should be selected.

Note The actual JDK version you see will likely be different then the one shown in Figure 23.

11. Click **Next**. The Confirm Product Installation Directories screen appears.

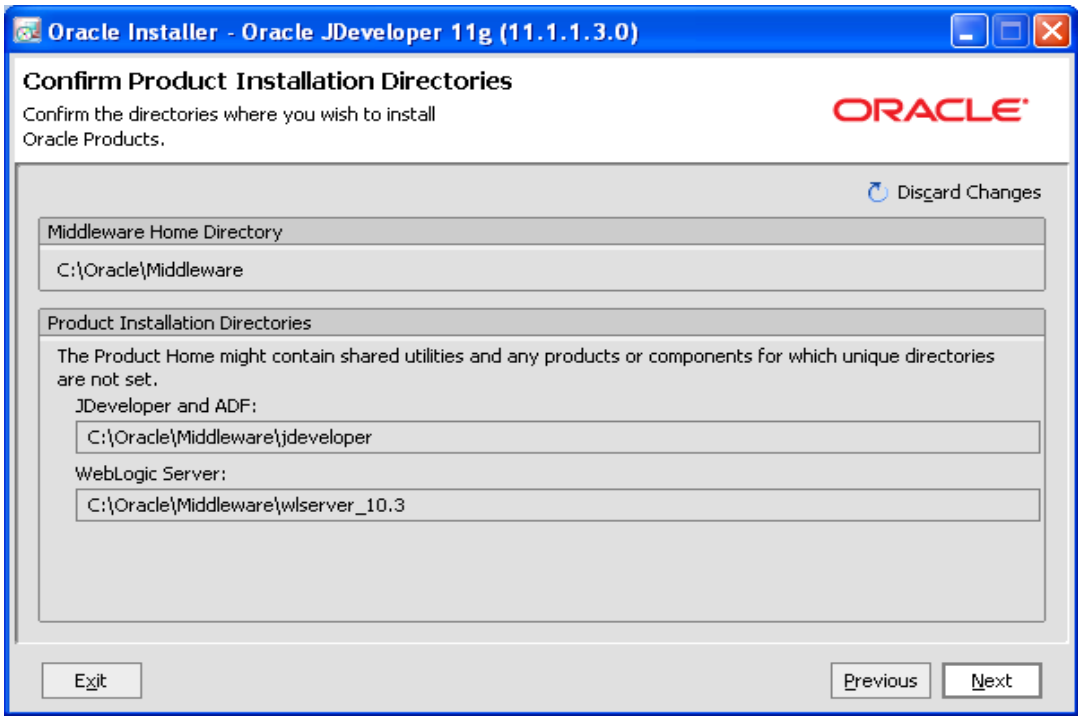


Figure 24: Confirm Product Installation Directories

12. Confirm the installation directories and click **Next**. The Install Windows Service screen opens.

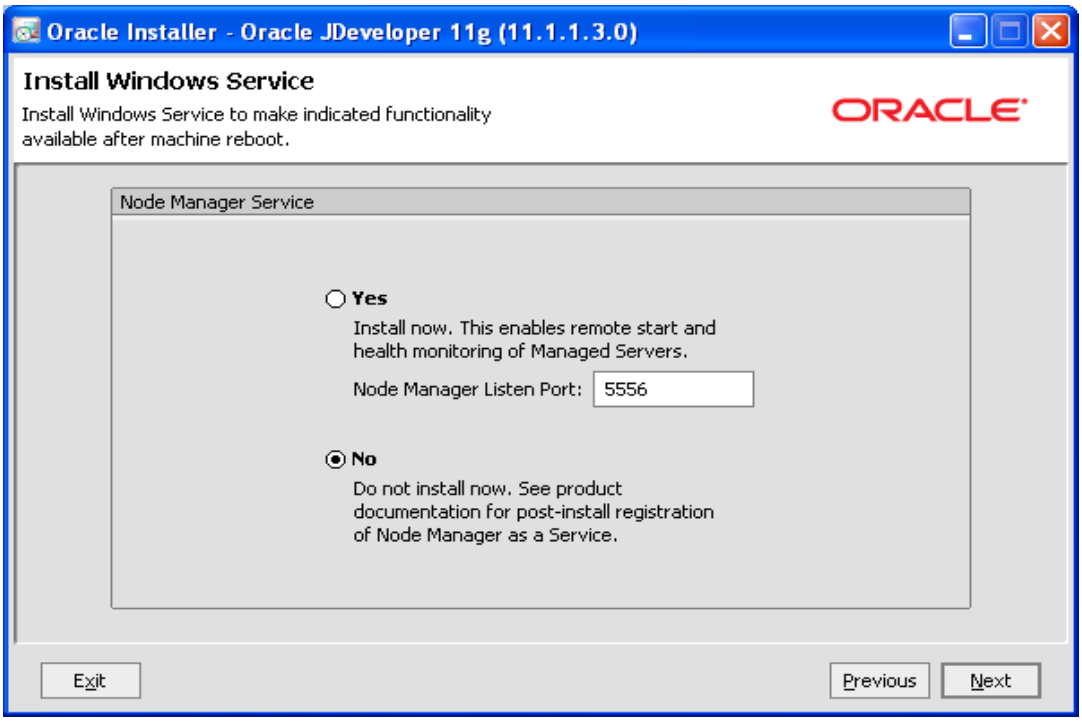


Figure 25: Install Windows Screen

13. Select **No** (the default) and click **Next**. The Choose Shortcut Location screen opens.

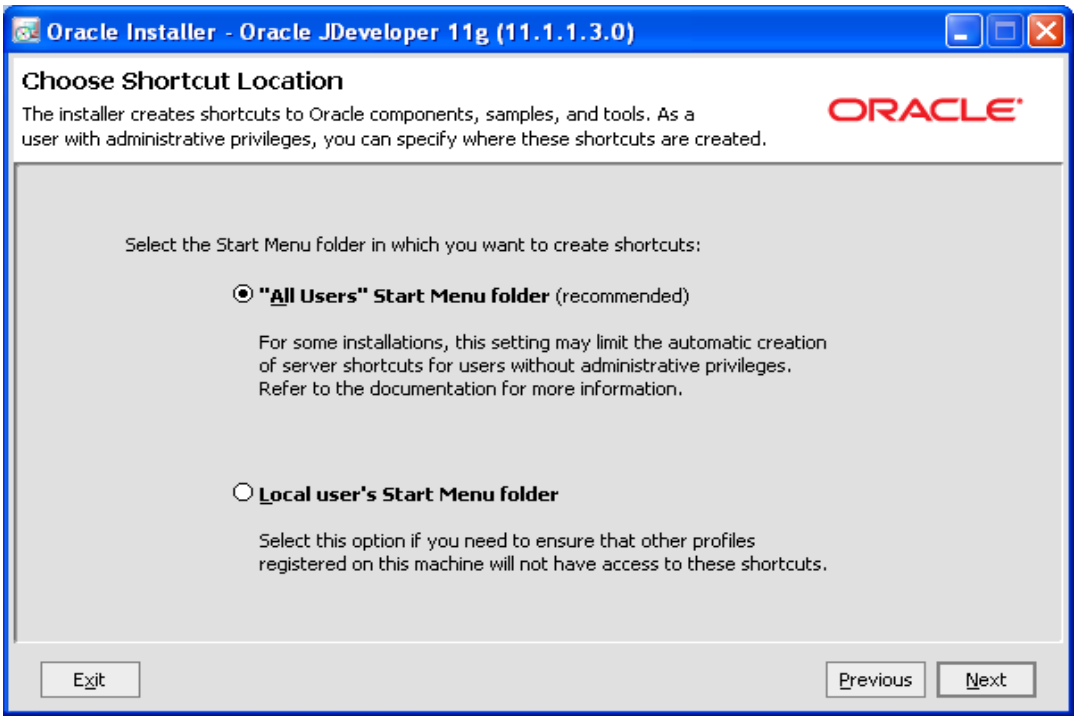


Figure 26: Choose Shortcut Location

14. Select **"All Users" Start Menu folder** (the default) and click **Next.** The Installation Summary screen opens.

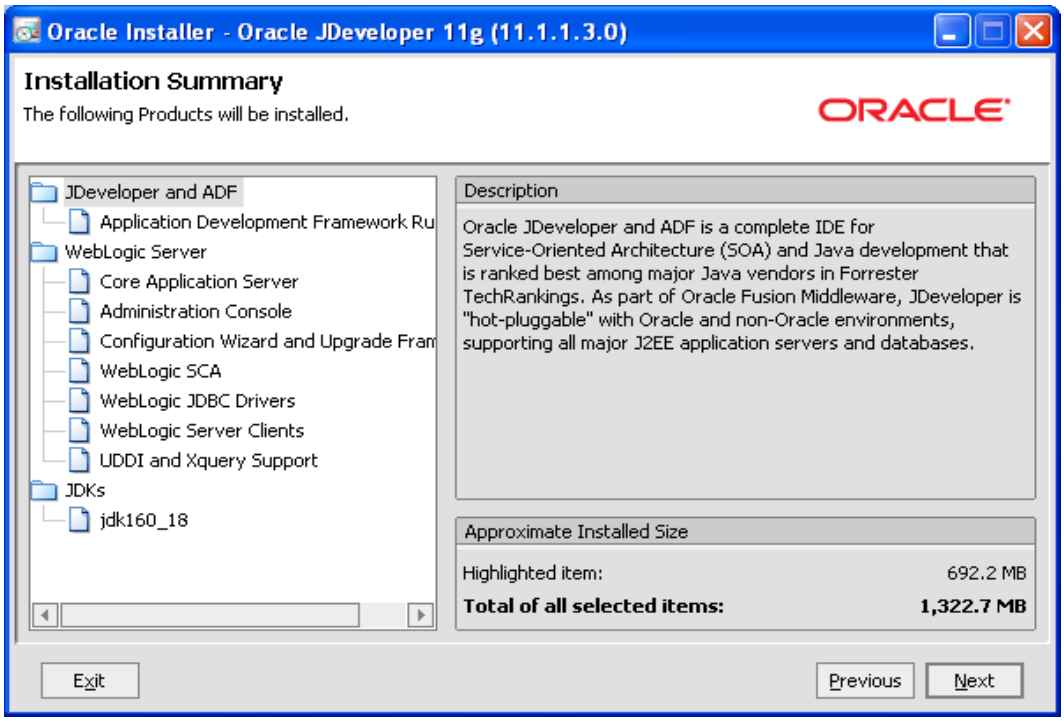


Figure 27: Installation Summary

15. Click **Next**. The installation will begin and a progress screen will appear to allow you to follow its progress.

Figure 28: Progress Screen

16. When the Installation Complete screen appears click on **Done** to close the installer.

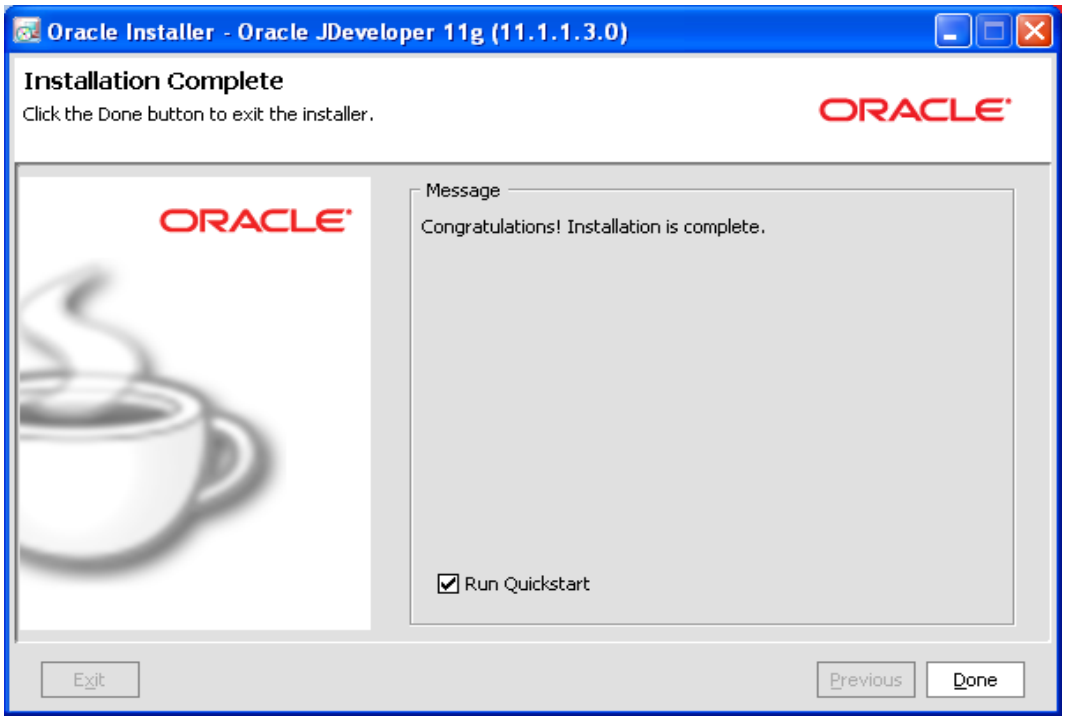


Figure 29: Installation Complete

STEP 3: CREATE A WEBLOGIC DOMAIN

1. Start the Configuration Wizard:

   For Windows:

   - Launch the Configuration Wizard from the Start Menu by choosing:

     Start Menu>All Programs>Oracle Fusion Middleware 11.1.1.x>WebLogic Server 11gR1>Tools>Configuration Wizard

   For HP-UX:

   - Open a command shell and execute the following command:

     ```
     {WLHOME}/common/bin/ sh config.sh
     ```

The Configuration Wizard Welcome screen opens:

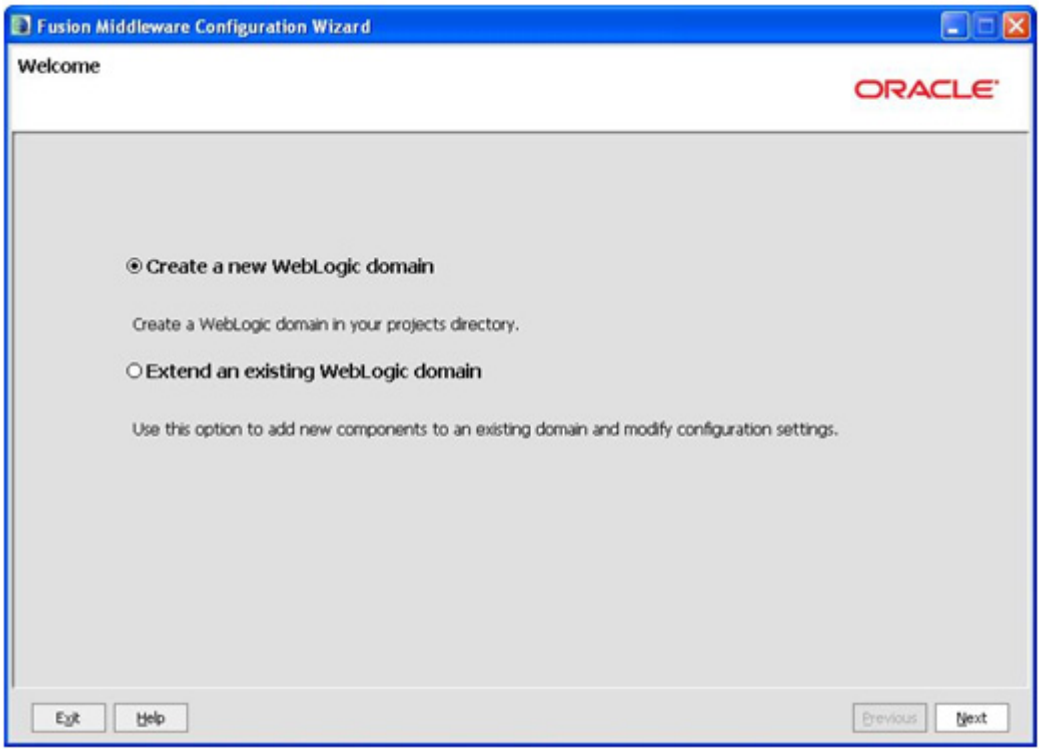


Figure 30: Welcome Screen

2. Keep the default, **Create a new WebLogic domain,** and click **Next**. The Select Domain Source screen opens.

3. On the Select Domain Source screen:

   a. Keep the default selection: **Generate a domain configured automatically to support the following products**:

   b. Check **Oracle JRF - 11.1.1.x (oracle_common).** This is the name of the Application Development Framework (ADF) Runtime libraries.

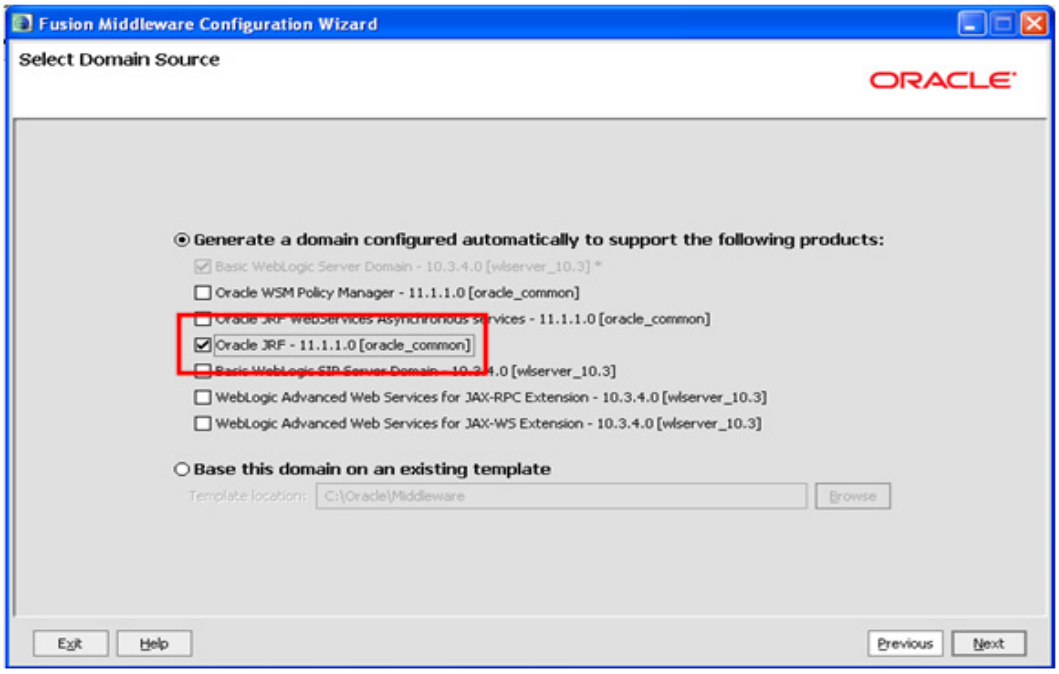


Figure 31: Select Domain Source

4. Click **Next**. The Specify Domain Name and Location screen opens:

Figure 32: Specify Domain Name and Location

5. On this screen, enter the following components:

   - **Domain Name** - The domain name can be any name that meets your company standards. The default name that appears when you arrive is “base_domain”.
   - **Domain Location** -The location where your domain is stored. The location shown here is the default directory. Accept this location or enter a new one.

6. Click **Next**. The following screen opens:

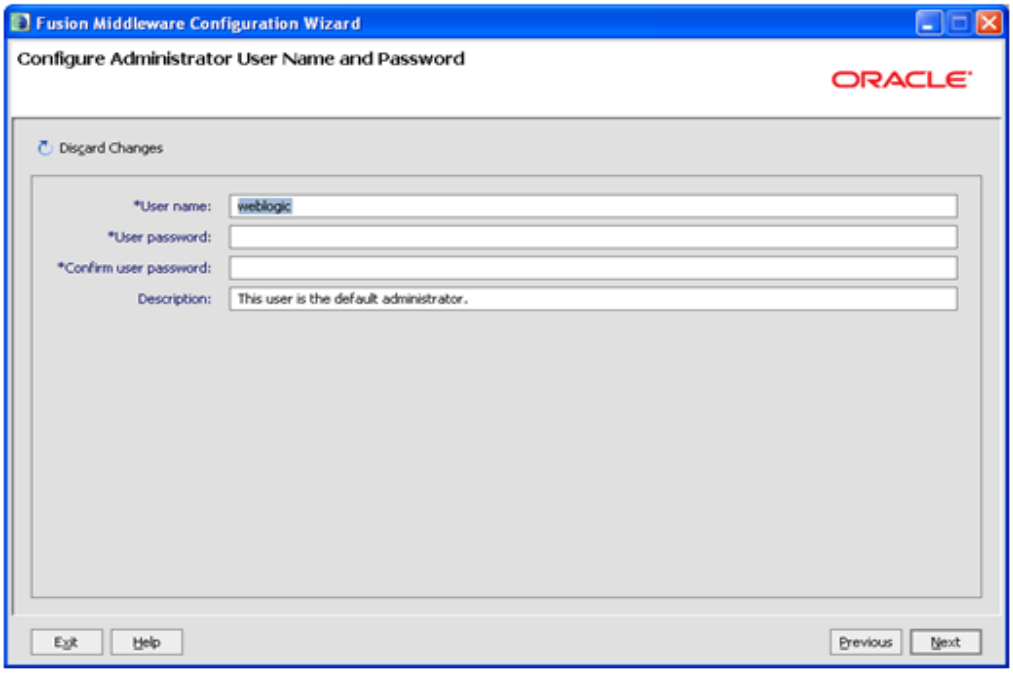


Figure 33: Configure Administrator Name and Password

7. On this screen, enter the following information:

   - **User Name** - Enter a readily identifiable user name for the WebLogic Administrator account for the domain (e.g., oii_domain). The default user name is “weblogic” but you can select whatever name you wish.
   - **User Password** - Enter a password for the WebLogic Administrator account for the domain.
   - **Confirm User Password** - Retype the password.
   - **Description** - Accept the default description or enter a alternative description.

Note	Remember the user name and password that you enter here. You will need it for future maintenance including logging into the WebLogic Administration Console.

8. Click **Next**. The following screen opens:

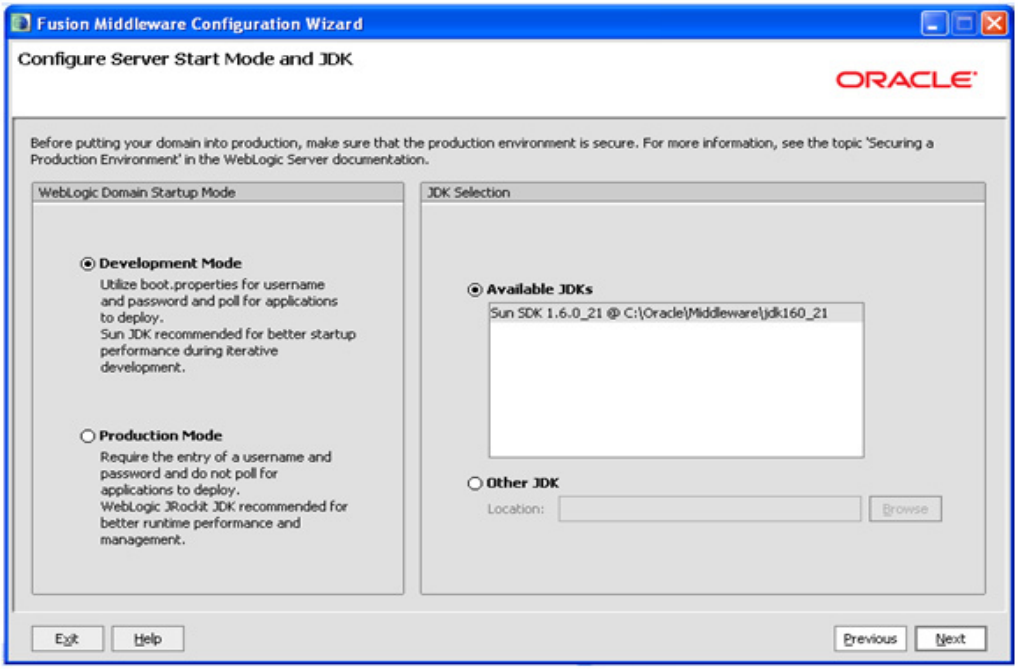


Figure 34: Configure Server Start Mode and JDK

9. On this screen, make sure that the following items are selected (both these items are the default selections on this screen):

   - Choose **Development Mode**
   - Select the **Sun SDK** as the JDK (the actual JDK version you see will likely be different then the one shown in Figure 34).

10. .Click **Next**. The following screen opens:

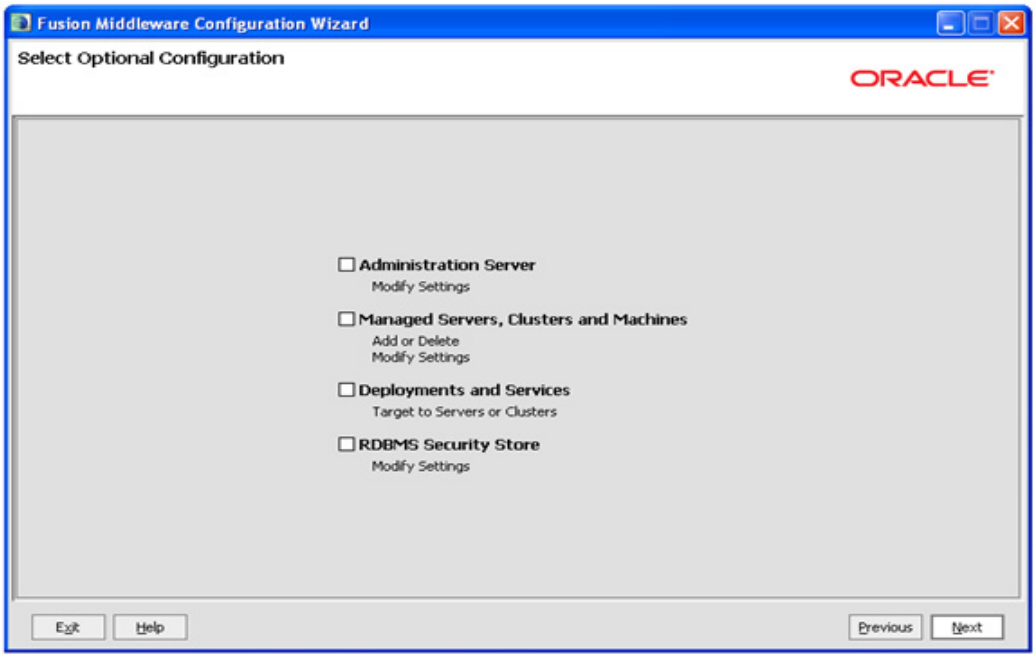


Figure 35: Select Optional Configuration

11. Do not select any option on this screen. They are not required.
12. Click **Next**. The following screen opens:

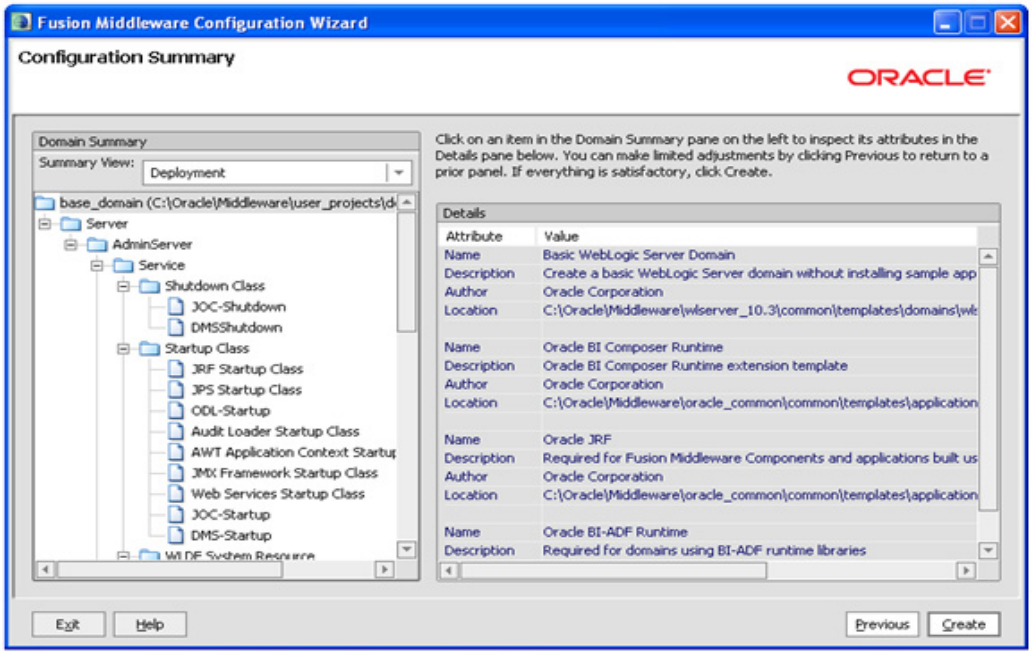


Figure 36: Configuration Summary

13. Review the summary information and click **Create**. The following screen opens:

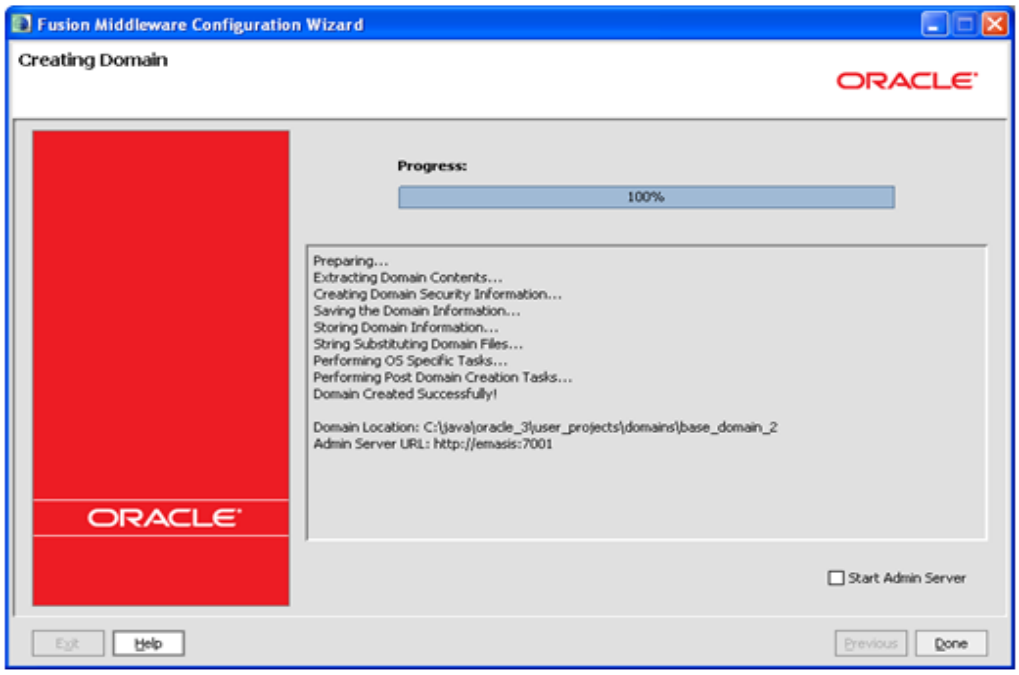


Figure 37: Creating Domain Progress Screen

14. When the progress bar displays 100% click **Done** to close the Wizard. The domain is ready to use.

STEP 4: START THE WEBLOGIC ADMINISTRATION CONSOLE

Note To start WebLogic under HP-UX, follow the instructions in *To start WebLogic under HP-UX:* on page 30.

Start the WebLogic Server and log into the WebLogic Administration Console to test the installation.

1. From the Start Menu select:

   Start>All Programs>Oracle WebLogic>User Projects><Your Server Domain>>Start Admin Server for WebLogic Server Domain

Note **To start WebLogic under HP-UX:**

1. Go to the domain for which you want to start the WebLogic:

   ```
   $ cd /oracle/middleware/user_projects/domains/
   <your server domain>
   ```

   for example:

   ```
   $ cd /oracle/middleware/user_projects/domains/oii_domain
   ```

2. Type:

   ```
   $ nohup startWebLogic.sh &
   ```

A separate window will open and display a series of messages to indicate that the domain server is up and running.

3. Once the WebLogic server domain is running, select:

   Start>All Programs>Oracle WebLogic>User Projects><Your Server Domain>>Admin Server Console

   The WebLogic Server Administration Console login screen will open:

Figure 38: WebLogic Server Administration Console Login Screen

4. Enter the administrator user name and password for the domain that you specified when you created the domain (see *Step 3: Create a WebLogic Domain* on page 26). The WebLogic administration console opens:

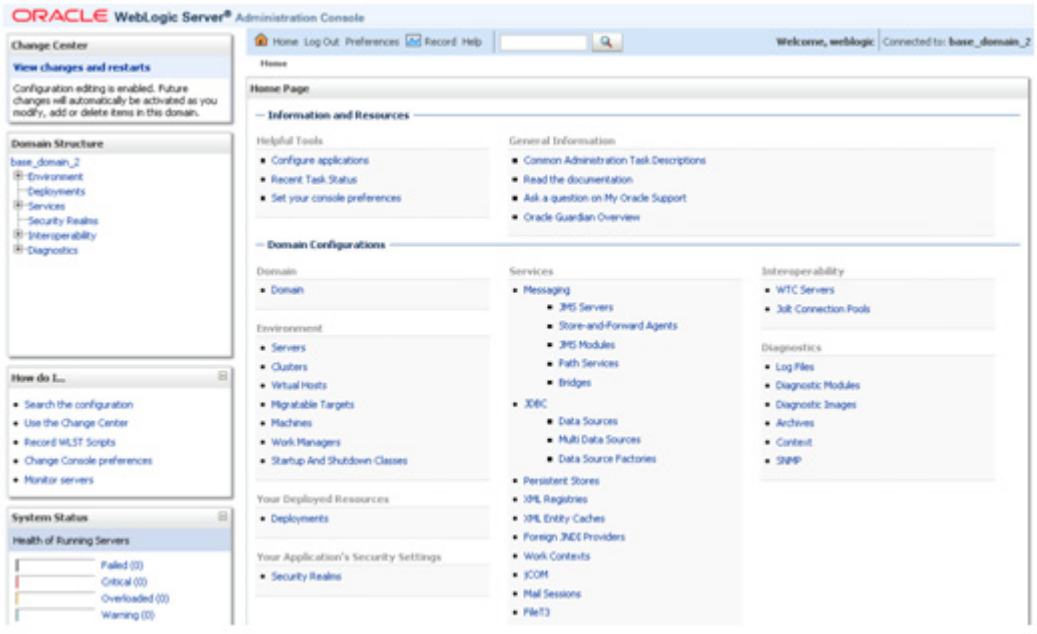


Figure 39: WebLogic Server Administration Console

5. The appearance of the WebLogic Server Administration Console indicates that the WebLogic installation has been successful.

6. Click on **Deployments** in the pane on the left. The Summary of Deployments screen opens.

   The appearance of the Application Development Framework Runtime libraries in the Deployments table indicates that they have been successfully installed to WebLogic.

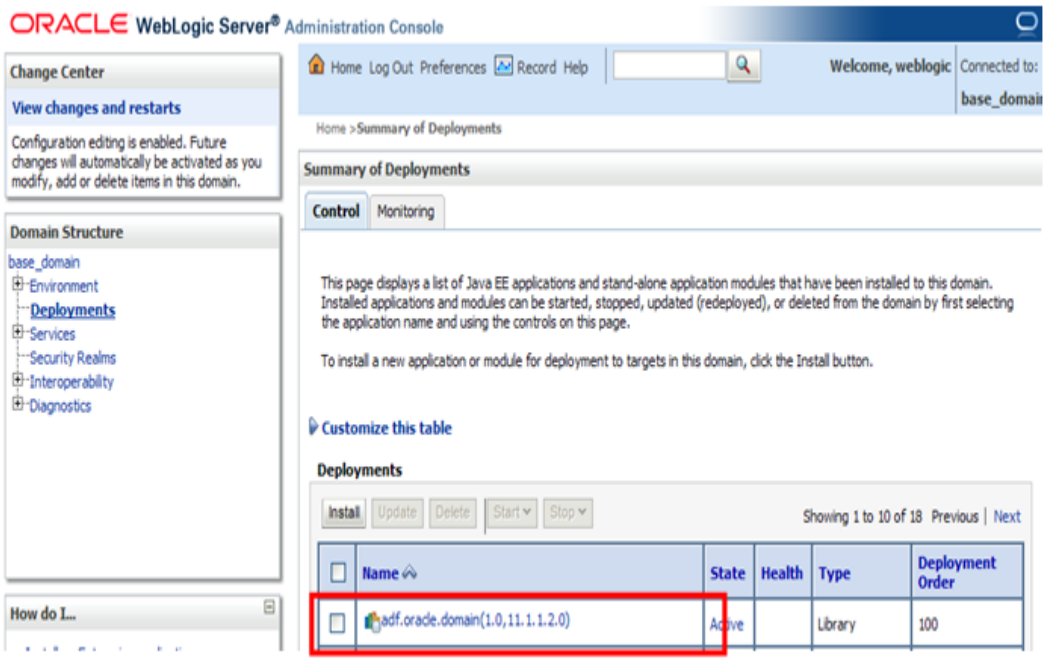


Figure 40: Application Development Framework Runtime Libraries

WHAT'S THE NEXT STEP IN THE INSTALLATION?

The next step in the installation process is to install Oracle Data Integrator 11g. Go to:

- *Chapter 4: Installing Oracle Data Integrator (ODI)*

Chapter 4

Installing Oracle Data Integrator (ODI)

Required Version: Oracle Data Integrator 11g

Download: To obtain the required version of Oracle Data Integrator (ODI) on the Oracle Technology Network, enter the following URL in your browser:

http://www.oracle.com/technetwork/middleware/data-integrator/downloads/index.html

Documentation: This chapter is not a complete installation guide for ODI but rather is intended to guide you through the ODI installation process and select the recommended options that are best suited for use with OII.

The full Oracle Data Integrator 11g documentation suite can be found at:

http://www.oracle.com/technetwork/middleware/data-integrator/documentation/index.html

The high-level instructions for installing and configuring ODI consist of these steps.

Table 3: Installation Road Map

Step	Description
Step 1	Download ODI
Step 2	Install ODI

STEP 1: DOWNLOAD ODI

1. Create a temporary directory on your computer to which to download the ODI installation file (e.g., **C:\temp\ODI**).
2. Load the following URL into your browser to open **Oracle Data Integrator Downloads** page:

   http://www.oracle.com/technetwork/middleware/data-integrator/downloads/index.html
3. Accept the license agreement at the top of the page.
4. Under the section, **Oracle Data Integrator 11g**, click on the link for the appropriate platform's installation package.
5. Follow the instructions on the screen to go through the registration process and download the ODI installation .ZIP file to the temporary directory on your computer.
6. Once the download is complete, locate the .ZIP file and extract the contents of the file using 7-Zip. This will create a directory bearing the same name as the .ZIP file. Beneath this directory will be two folders: **Disk1** and **Disk2**.

STEP 2: INSTALL ODI

1. Open the **Disk1** folder and double-click **setup.exe** to launch the installer. The Welcome screen opens.

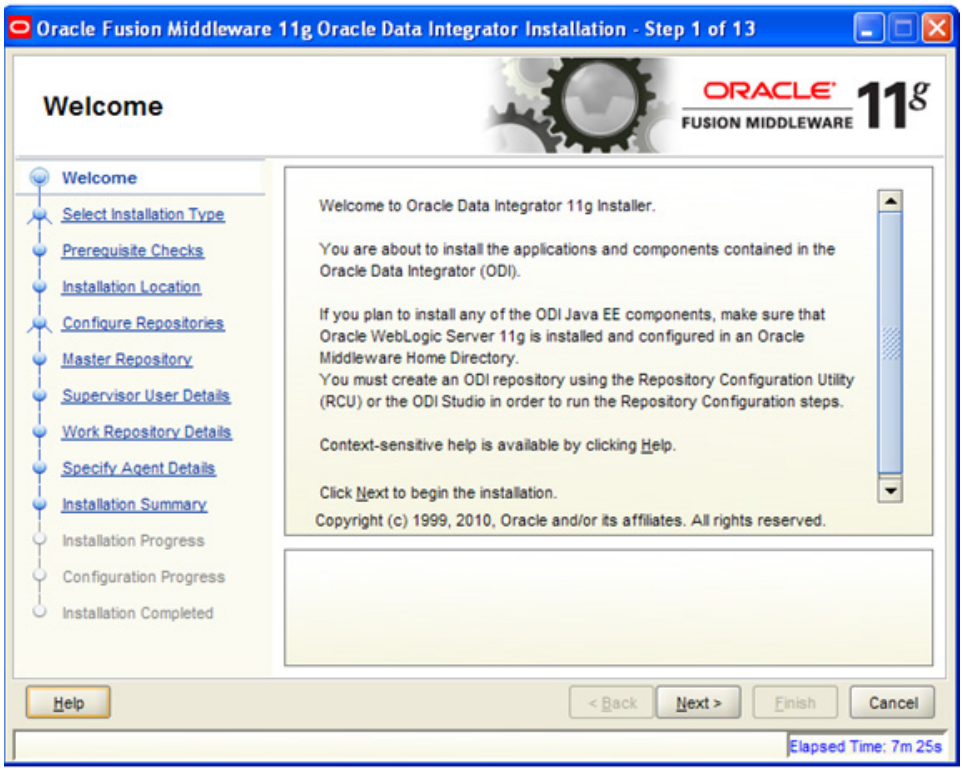


Figure 41: ODI Welcome Screen

2. Click **Next**. The Select Installation Type screen appears.

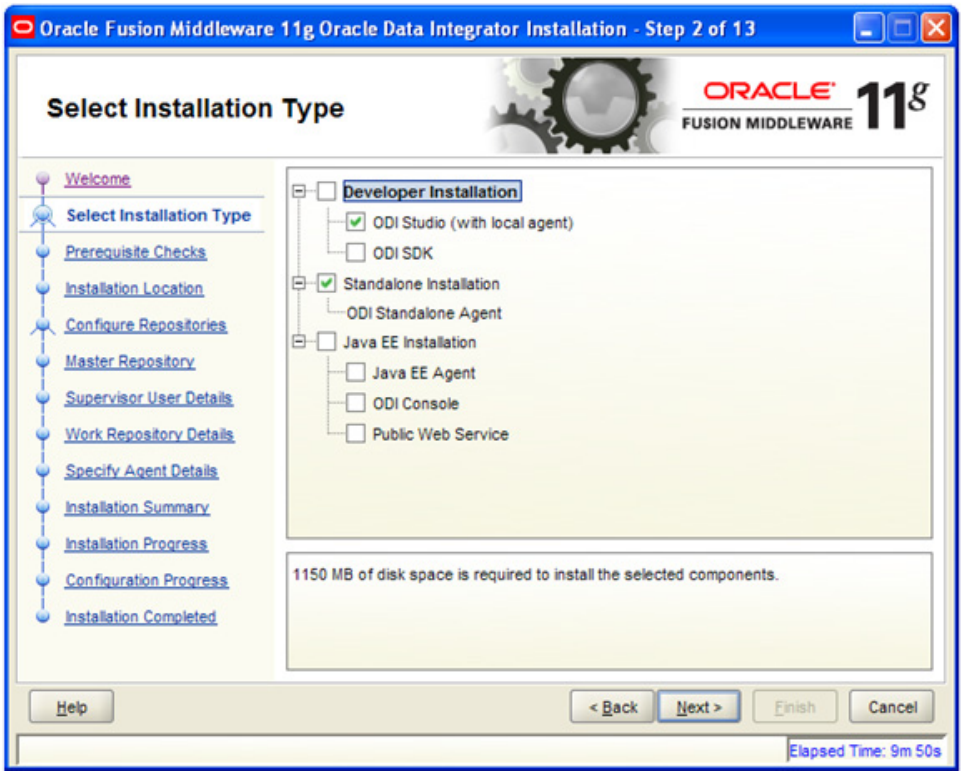


Figure 42: Select Installation Type

3. Select **Standalone Installation** and make sure that the **ODI Studio** is checked. You will need ODI Studio to configure the Master and Work Repositories after you install ODI. Do not select any other components on this screen.

Important The **Standalone Installation** is the installation type that Oracle recommends for use with OII. The steps and screens in this section describe a typical Standalone Installation.

You can, of course, select either of the other installation types on this screen but be aware that the sequence of screens will be different depending upon your choice. There will also be additional post-installation configuration steps for these installation types.

For a complete description of the steps for these installation types, refer to:

- *Oracle Fusion Middleware Installation Guide for Oracle Data Integrator 11g*

This manual is available along with the complete ODI documentation set:

http://www.oracle.com/technetwork/middleware/data-integrator/documentation/index.html

4. Click **Next**. The **Prerequisite Checks** screen appears.

   If there are problems with the prerequisites, an error message will appear in the area at the bottom of the screen. Fix the error, and click **Retry** to try again.

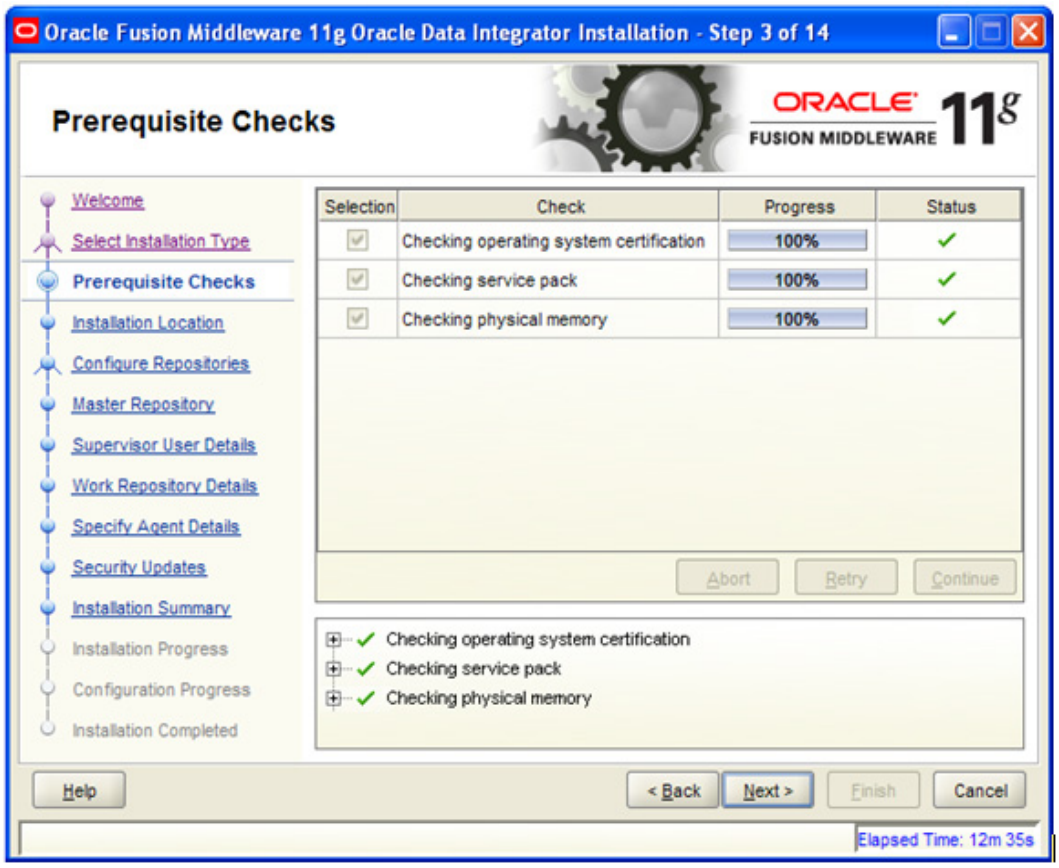


Figure 43: Prerequisite Checks

5. Once green check marks appear for all prerequisites appear under the “Status”, click **Next**. The Specify Installation Location screen opens.

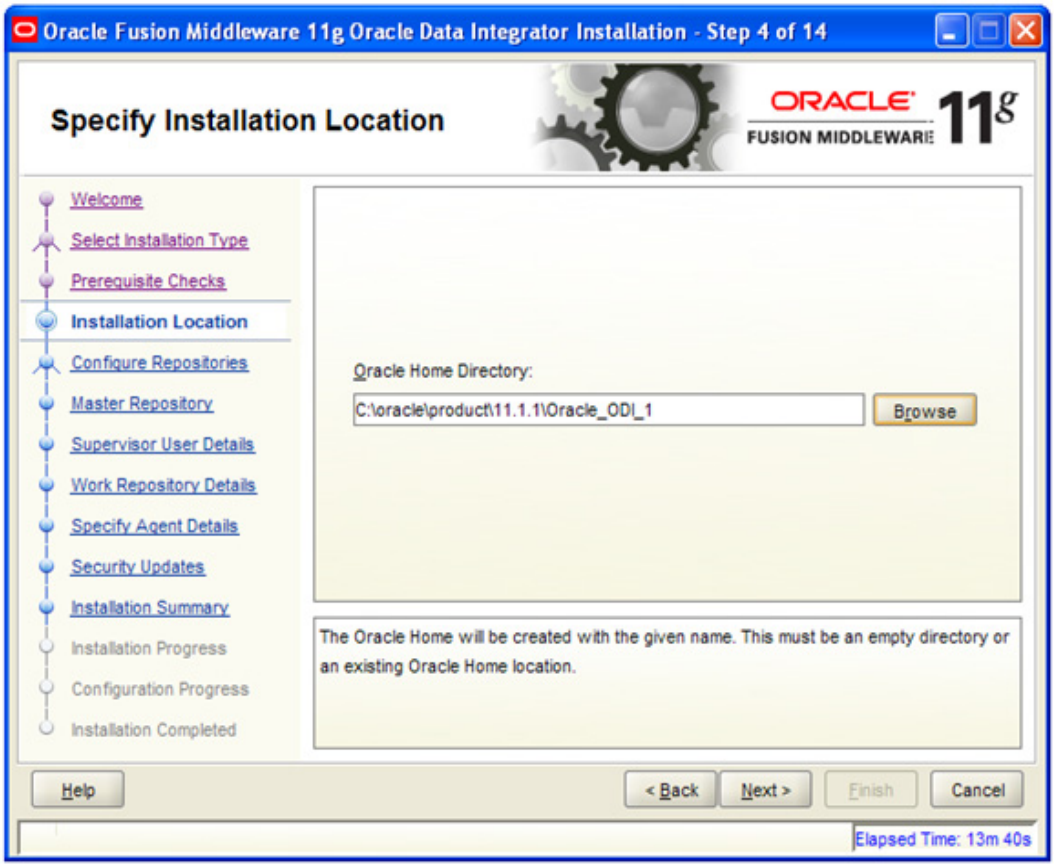


Figure 44: Specify Installation Location

6. Accept the default path displayed here or use the **Browse** button to enter a new absolute path for the ODI home directory.
7. Click **Next**. The Repository Configuration screen opens.

8. Select **Skip Repository Configuration**. The task list on the right will refresh to remove all configuration steps.

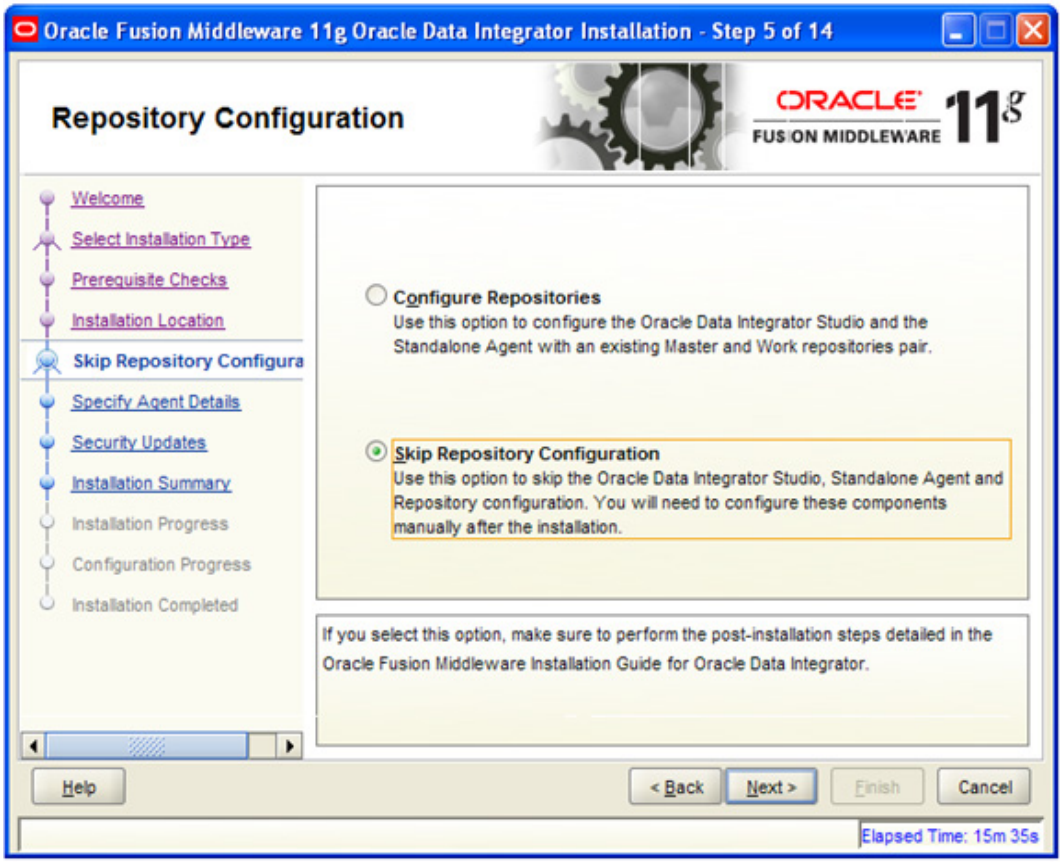


Figure 45: Select "Skip Repository Configuration"

9. Click **Next**. The Specify Agent Details screen opens.

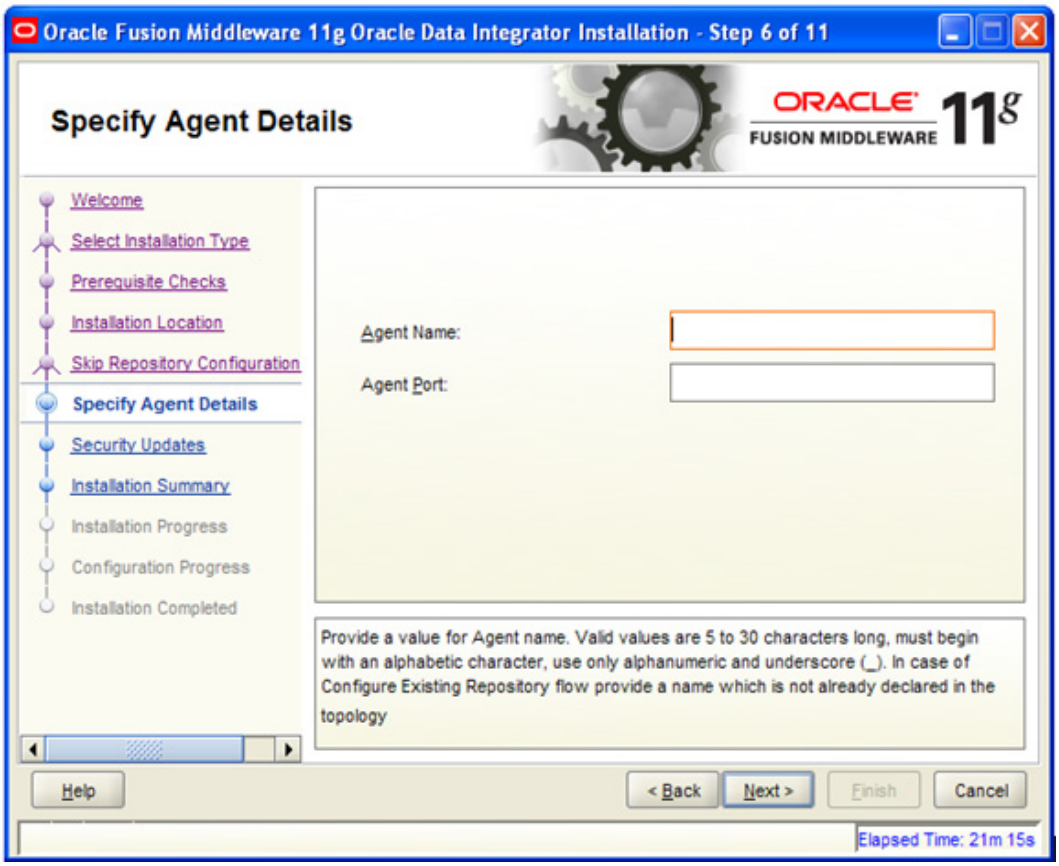


Figure 46: Specify Agent Details

10. Enter the following

- **Agent Name** - Provide an alphanumeric name of your choice for the ODI standalone or local agent.
- **Agent Port** - Provide a port number between 1024 and 65535 that is not currently being used by any other Oracle home. This port defaults to 20910.

11. Click **Next**. The Specify Security Updates screen opens.

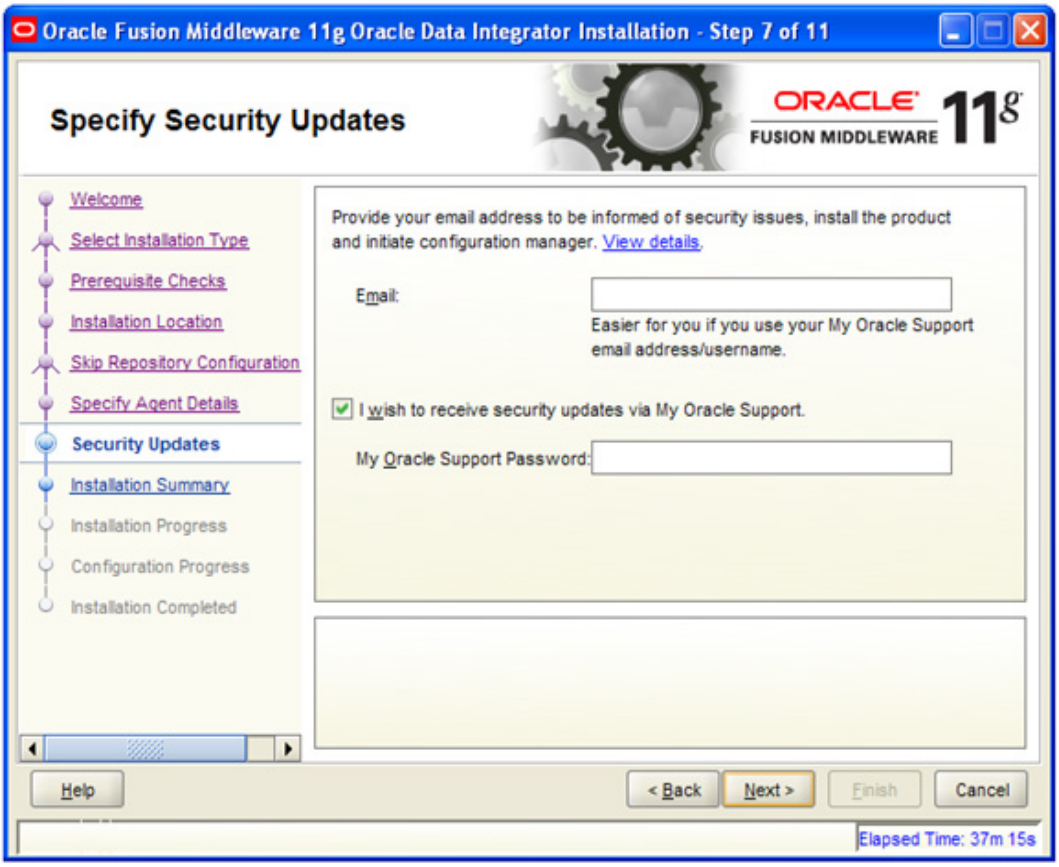


Figure 47: Specify Security Updates

12. Specify whether or not you want to receive security updates.

13. Click **Next**. The Installation Summary screen opens.

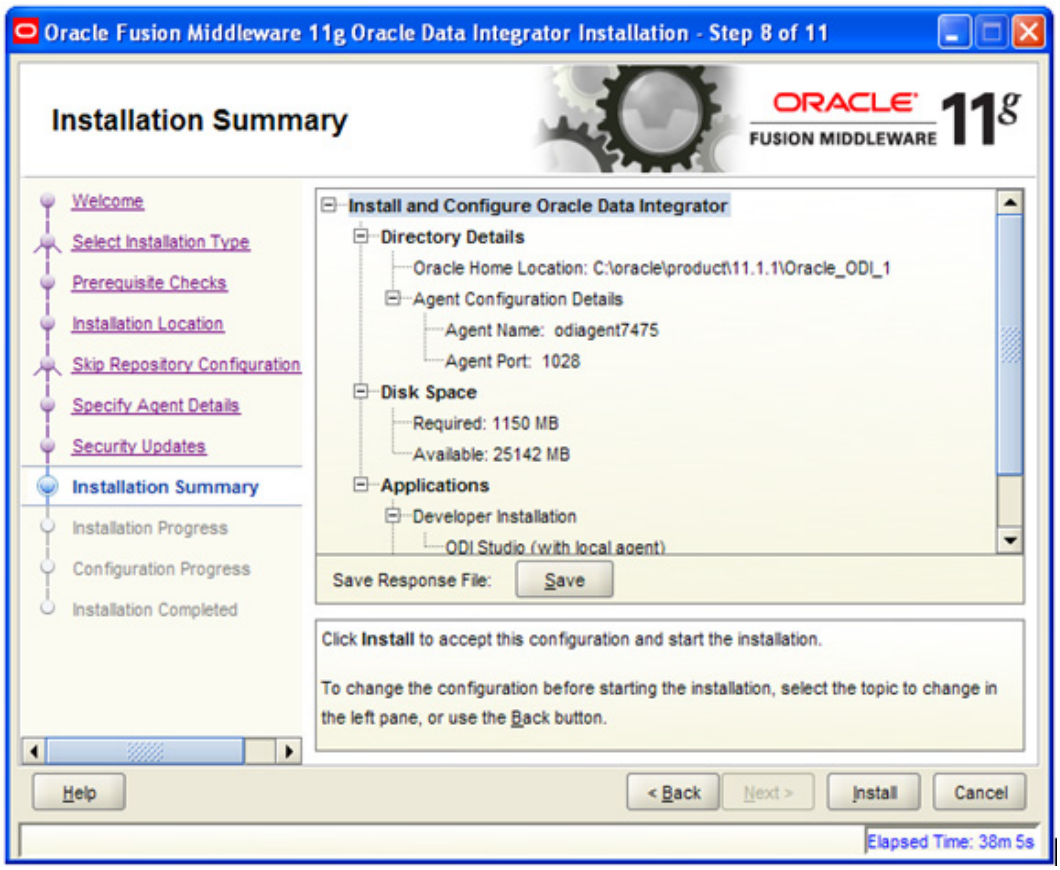


Figure 48: Installation Summary

14. Review the information on this screen and click **Install** to start the installation. The Installation progress screen opens. This screen lets you follow the progress of the installation.

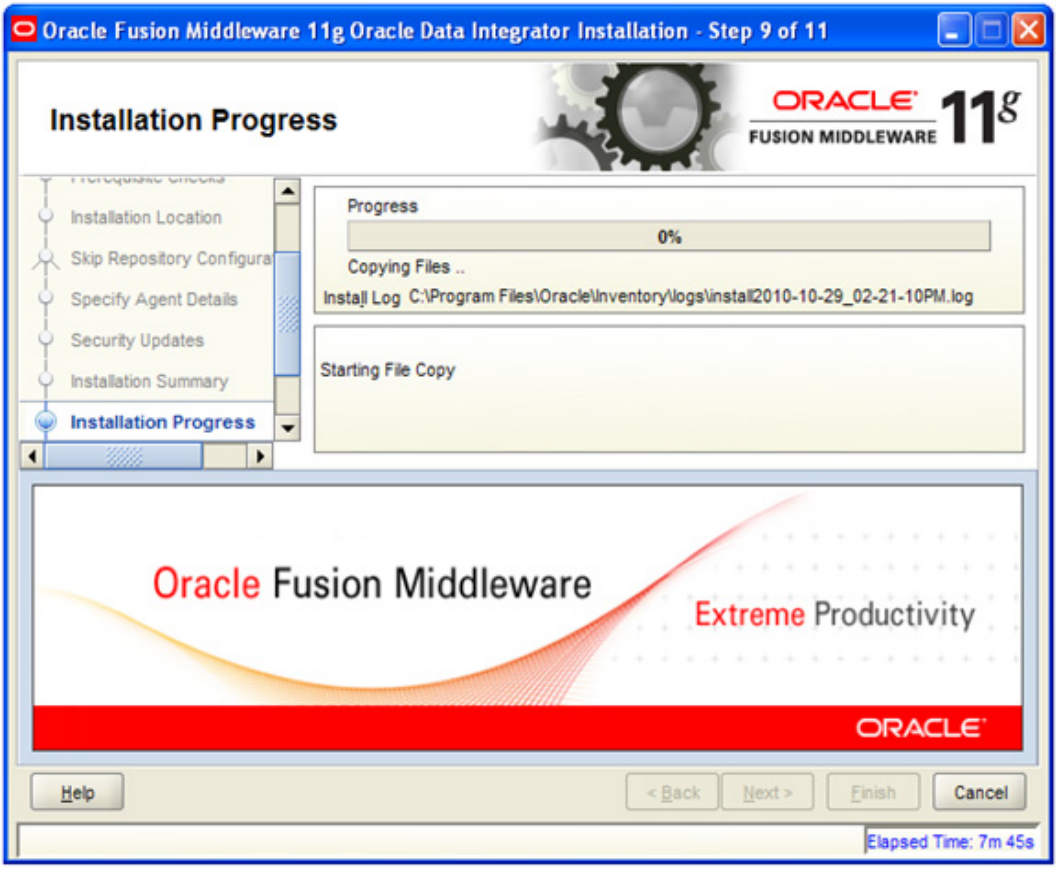


Figure 49: Installation Progress

15. The Configuration Progress screen will appear to show the progress of the various component configurations.

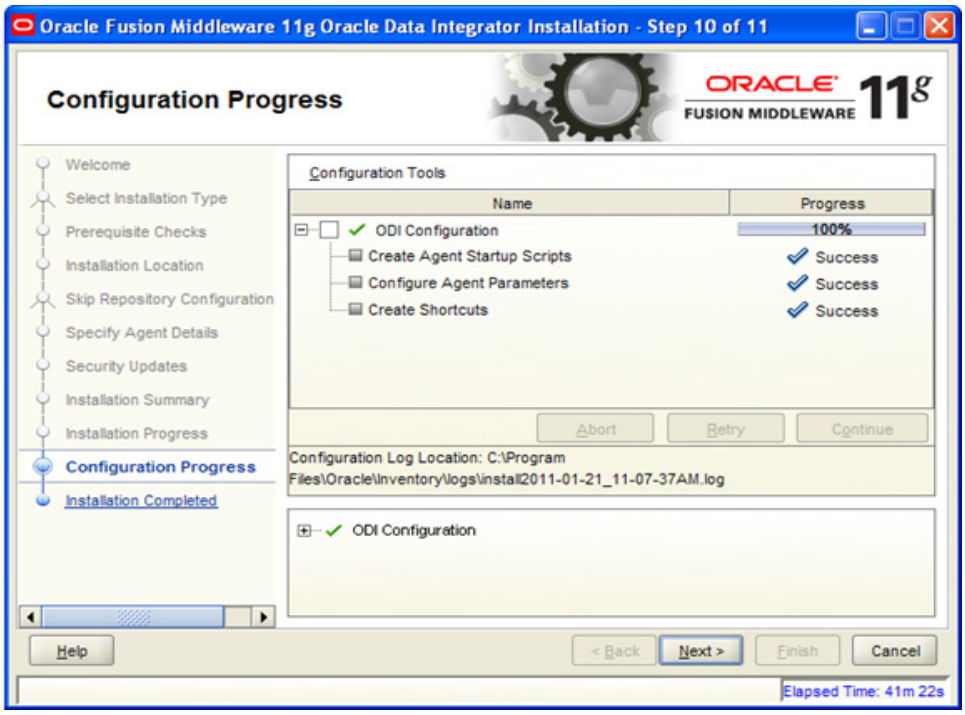


Figure 50: Configuration Progress

16. Click **Next**. When the installation has completed successfully, the following screen opens.

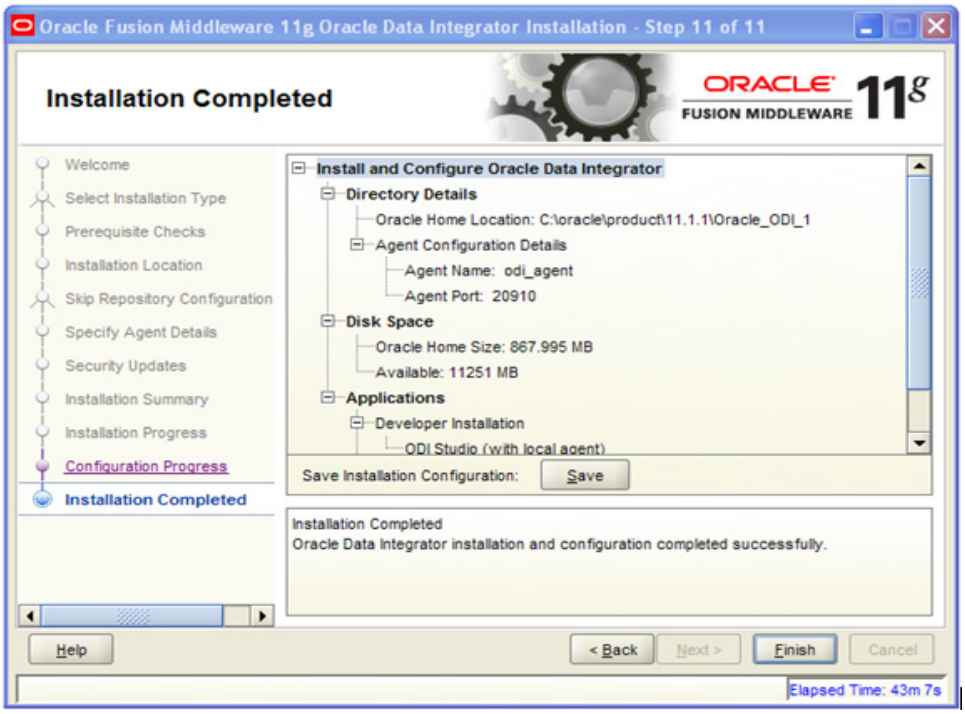


Figure 51: Installation Completed

17. Click **Finish** to close the installer.

WHAT'S THE NEXT STEP IN THE INSTALLATION?

The next step in the installation process is to install Oracle Business Intelligence Enterprise Edition (OBIEE) 10.1.3.4.x. Go to:

- *Chapter 5: Installing Oracle Business Intelligence Enterprise Edition*

Chapter 5

Installing Oracle Business Intelligence Enterprise Edition

Required Version: Oracle Business Intelligence Enterprise Edition (OBIEE) 10.1.3.4.x

Download: To download the required version of OBIEE from the Oracle Technology Network, enter the following URL in your browser:

http://www.oracle.com/technetwork/middleware/bi-enterprise-edition/downloads/index.html

Documentation: This chapter is not a complete installation guide for OBIEE but rather is intended to guide you through the OBIEE installation and configuration process and select the recommended settings that are best suited for use with OII.

The full OBIEE documentation set can be found at:

http://www.oracle.com/technetwork/middleware/bi-enterprise-edition/overview/index.html

The high-level instructions for installing and configuring OBIEE consists of these steps:

Table 4: Installation Road Map

Step	Description
Step 1	Download OBIEE
Step 2	Install OBIEE

STEP 1: DOWNLOAD OBIEE

1. Create a temporary directory on your computer to which to download the OBIEE installation file (e.g., **C:\temp\obiee**).
2. Load the following URL into your browser to open the **Oracle Business Intelligence Downloads** page.

http://www.oracle.com/technetwork/middleware/bi-enterprise-edition/downloads/index.html

3. Select the "Oracle Business Intelligence 10g downloads" link. The **Oracle Business Intelligence (10.1.3.x) Downloads** page will open.
4. Accept the license agreement at the top of the page.

5. Click on the link for the appropriate platform's installation package.
6. Follow the instructions on the screen to go through the registration process and download the OBIEE installation .ZIP file to the temporary directory on your computer.
7. Once the download is complete, locate the .ZIP file and extract the contents of the file using 7-Zip. This will create a directory bearing the same name as the .ZIP file.

STEP 2: INSTALL OBIEE 10.1.3.4.X

Note The following instructions are based on Microsoft Windows x86 installation.

1. Go to the directory where you extracted the contents of the .ZIP file and locate the **setup.exe** file. This file should be located under:

<OBIEE Temp Directory>\Windows\Server\Oracle_Business_Intelligence\setup.exe

For example:

C:\temp\obiee\biee_windows_x86_101341\Windows\Server\Oracle_Business_Intelligence\setup.exe

2. Double-click **setup.exe** to launch the installer. The following screen appears:

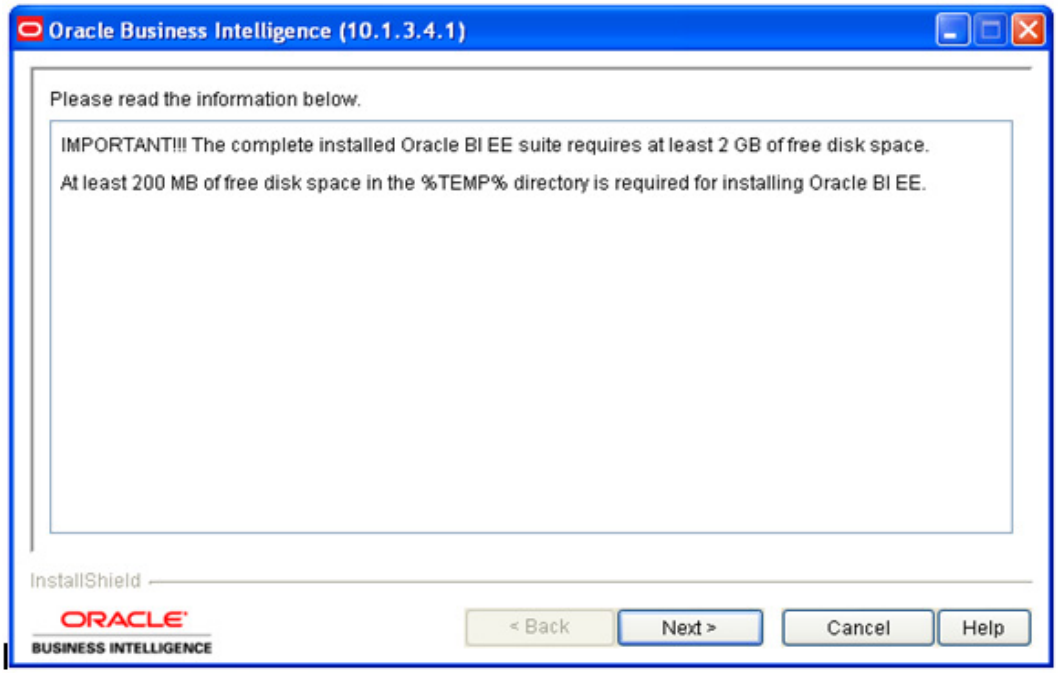


Figure 52: Installer Welcome Screen

3. Click **Next**. The following screen appears:

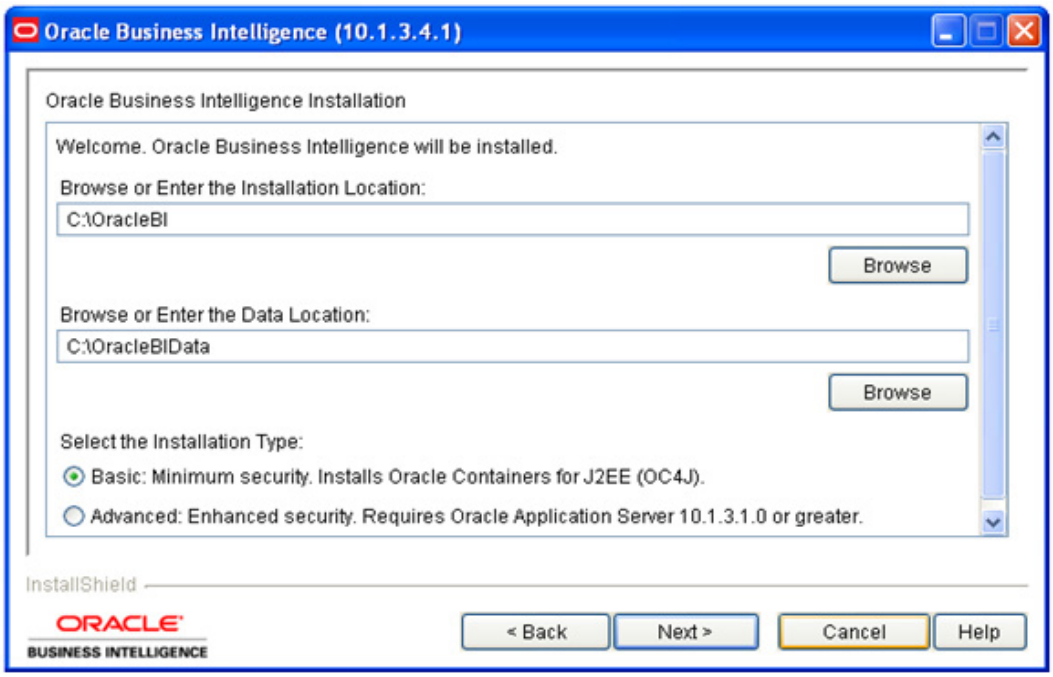


Figure 53: Select the Location for OBIEE

4. Accept or change the default Installation Location and the Data Location as you wish:
   - The default installation location is **C:\OracleBI.**
   - The default Data Location is **C:\OracleBIData**.
5. Select the "Basic" installation type:
   - "Basic: Minimum security. Installs Oracle Containers for J2EE (OC4J)"

6. Click on **Next**. The following screen appears:

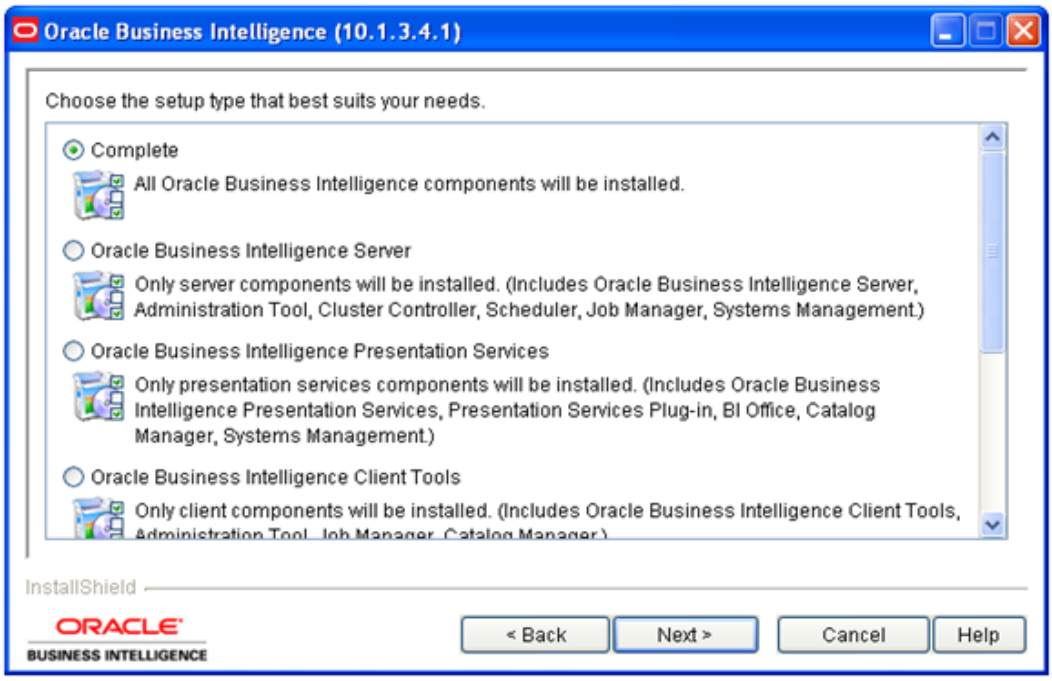


Figure 54: Select the "Complete" Installation

7. Accept the default setup type, which is "Complete", and click **Next**. The following screen appears.

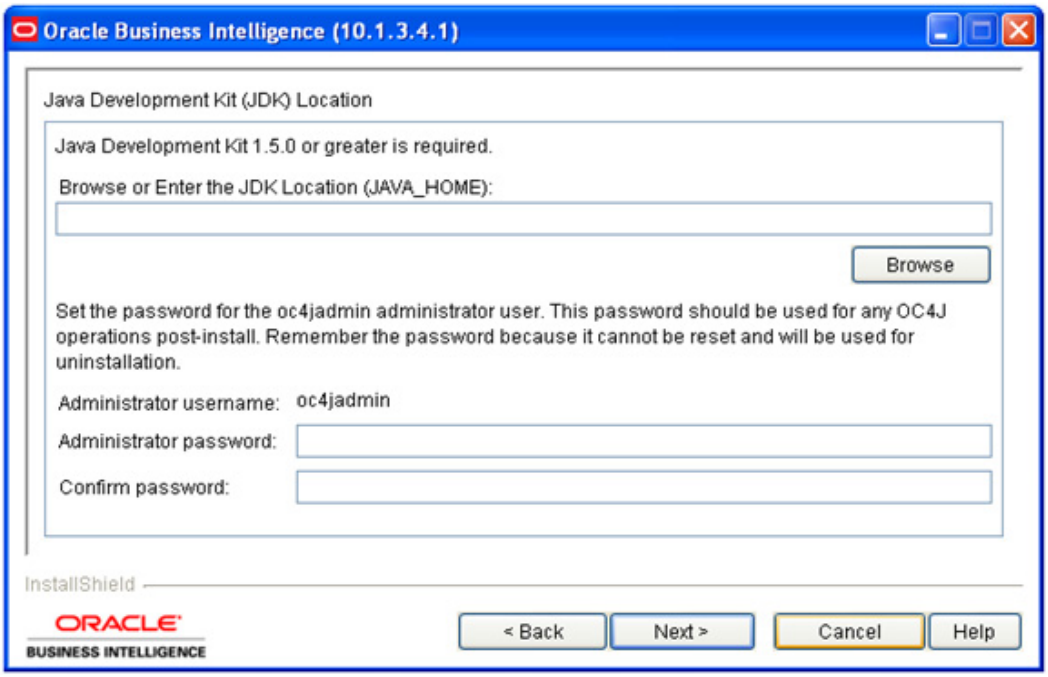


Figure 55: Enter the JDK Location and Administrator Password

8. Enter the following information on this screen:

   a. The directory where Java JDK 1.6.0 or higher is installed on your system.

   In Figure 56 the location of the JDK is “C:\Oracle\Middleware\jdk160_21\”. This happens to be the default directory where the JDK was installed when you installed JDeveloper and WebLogic.

Note	The actual JDK version may be different for you.

   b. An ocj4 Administrator password of your own choosing.

IMPORTANT	**Remember this password.** You will need it later on to perform Administrative tasks in OBIEE.

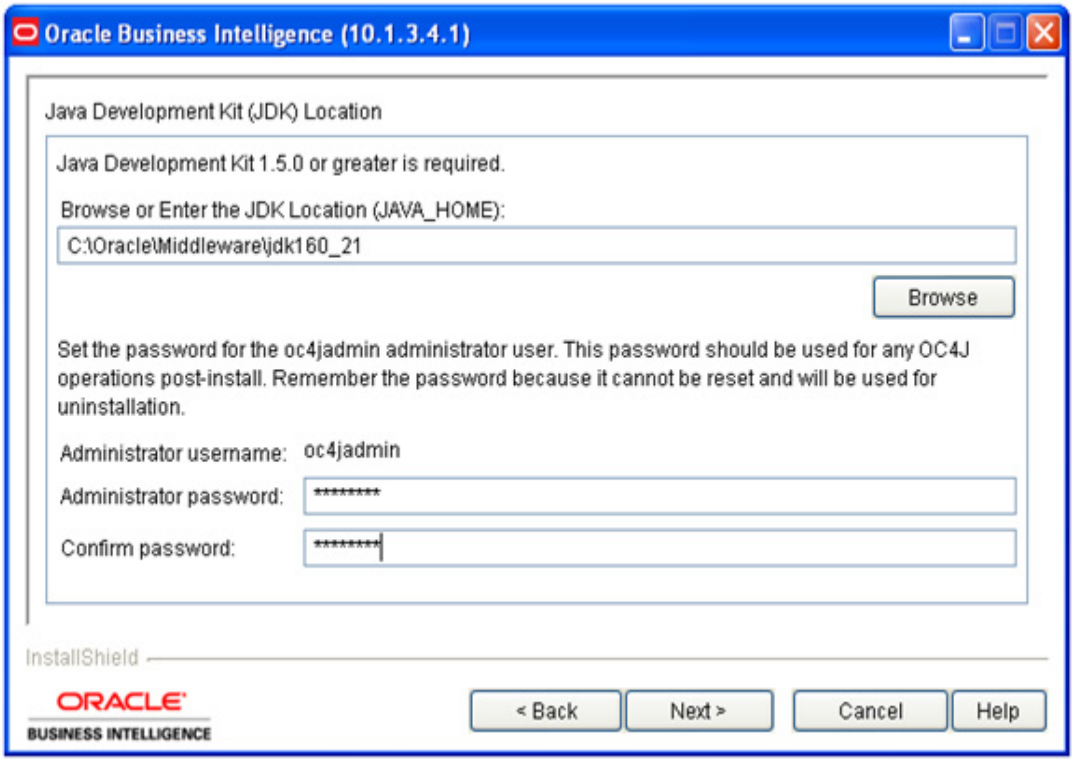


Figure 56: JDK Location and Password Entries

9. Click **Next.** The Oracle BI Services screen appears.

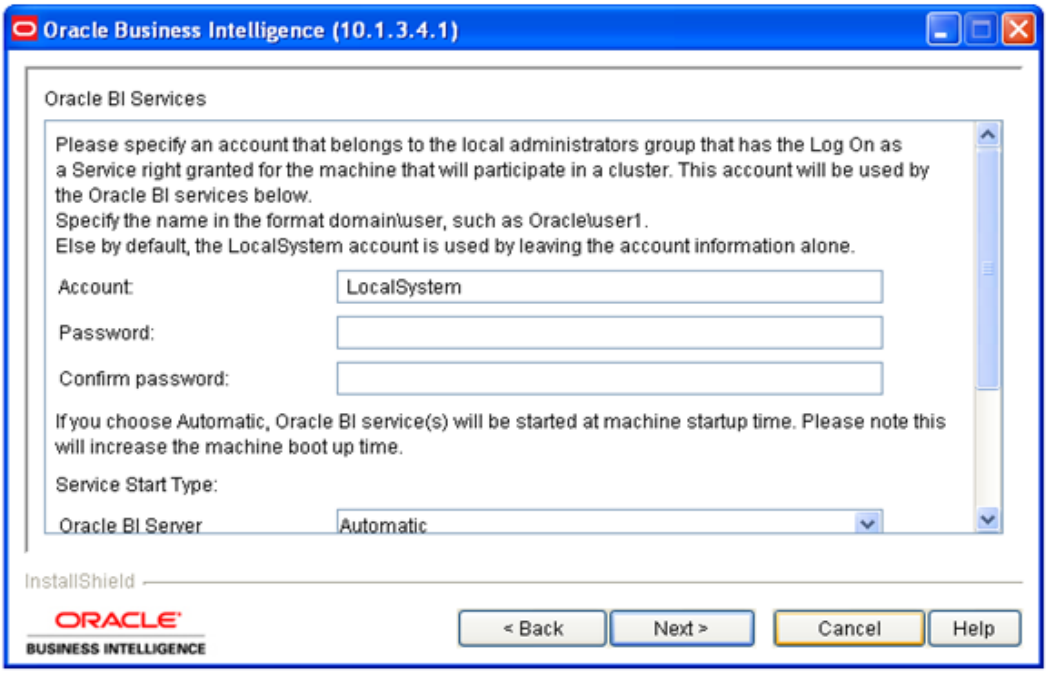


Figure 57: Oracle BI Services Screen

10. Do not enter anything on this screen. Simply click **Next**. The following screen appears.

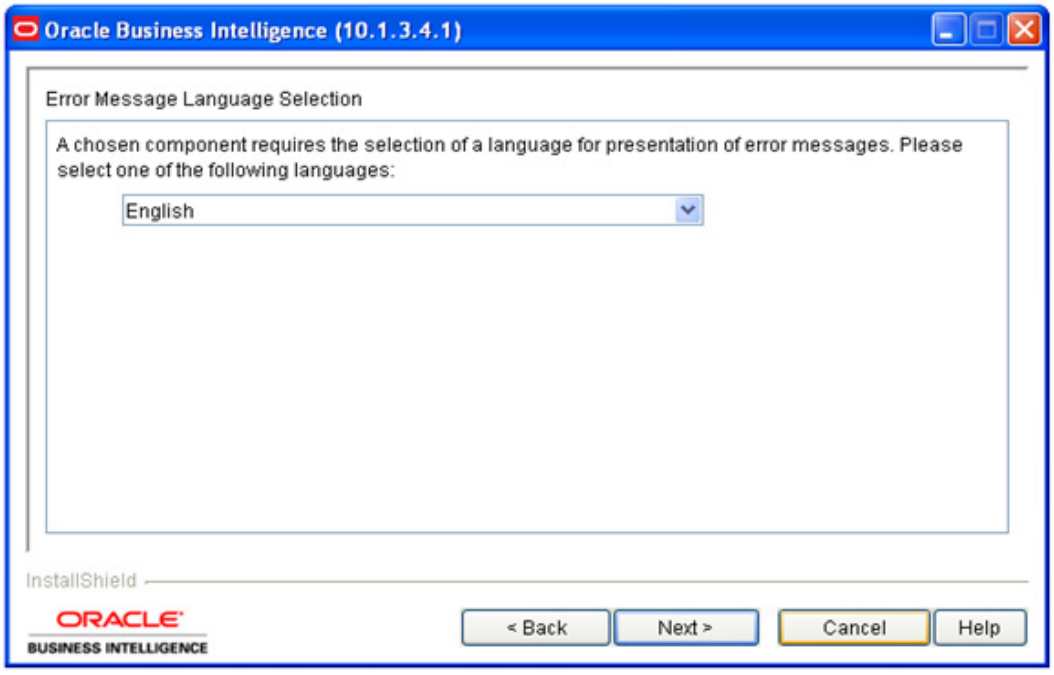


Figure 58: Error Message Language Selection Screen

11. Select the Error Message Language from the drop-down list and click **Next**. The Summary screen shows:

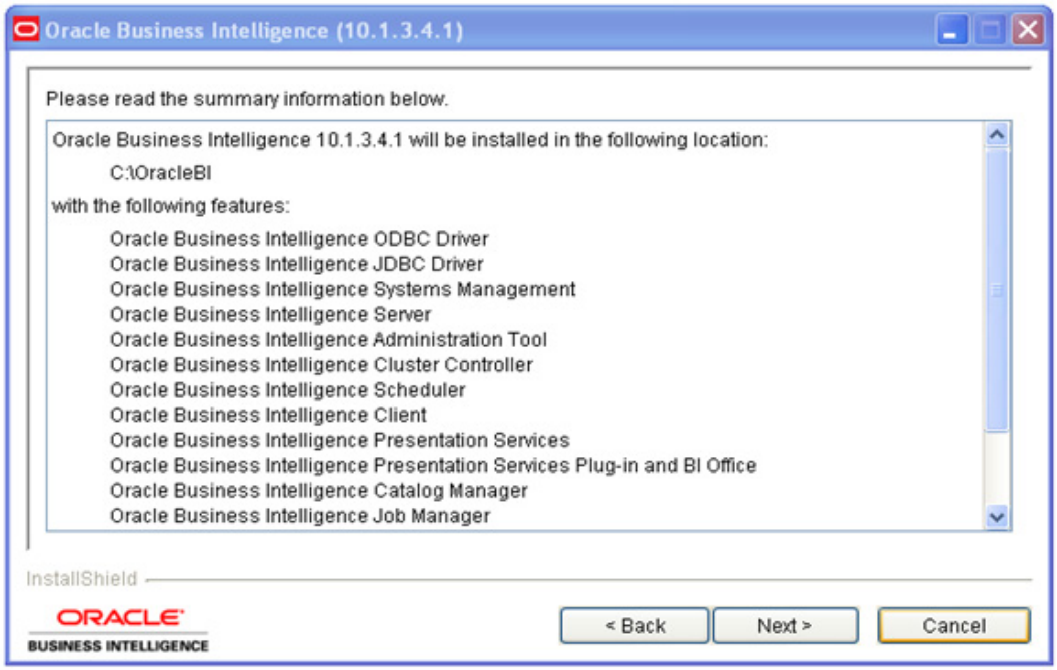


Figure 59: OBIEE Summary Screen

12. Click **Next**. Before the installer starts to install OBIEE, it will try to install the Microsoft .Net Framework 2.0 in a separate window. If you already have this or a later version installed, you can click on **Cancel**. Otherwise, click on **Next**. Once that finishes, the installer starts the real installation of OBIEE. This will take a while, so please be patient.

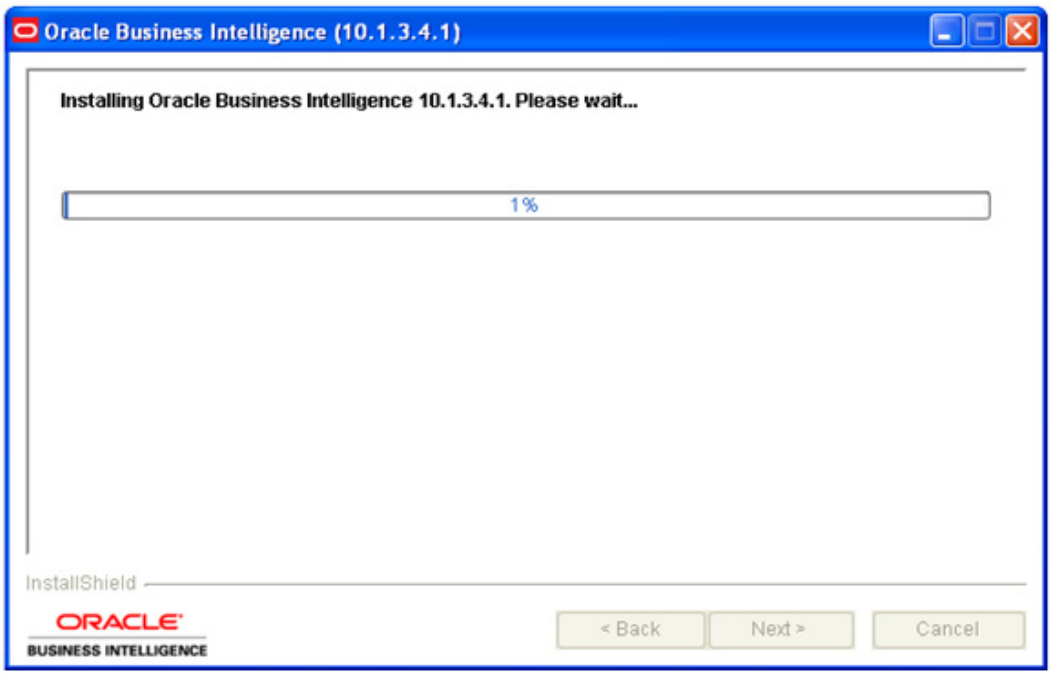


Figure 60: Installation Progress Screen

13. Once the initial installation is complete the installer will give you this message before it ends:

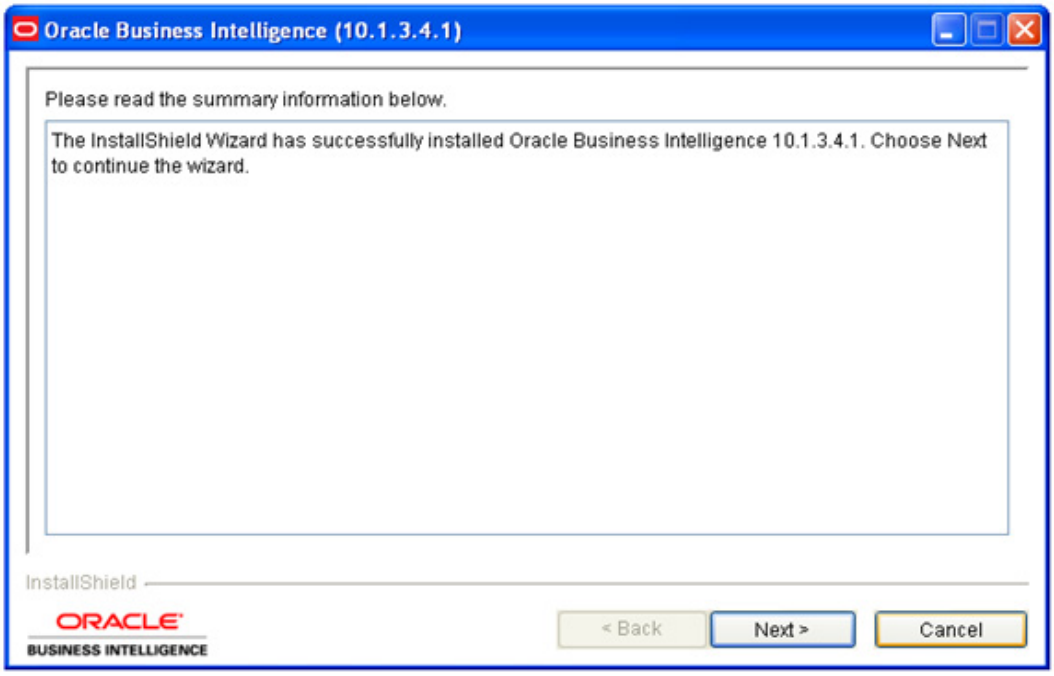


Figure 61: Installation Successful

14. Click **Next**. The **Installation Summary** screen appears to inform you that the installation was a success.

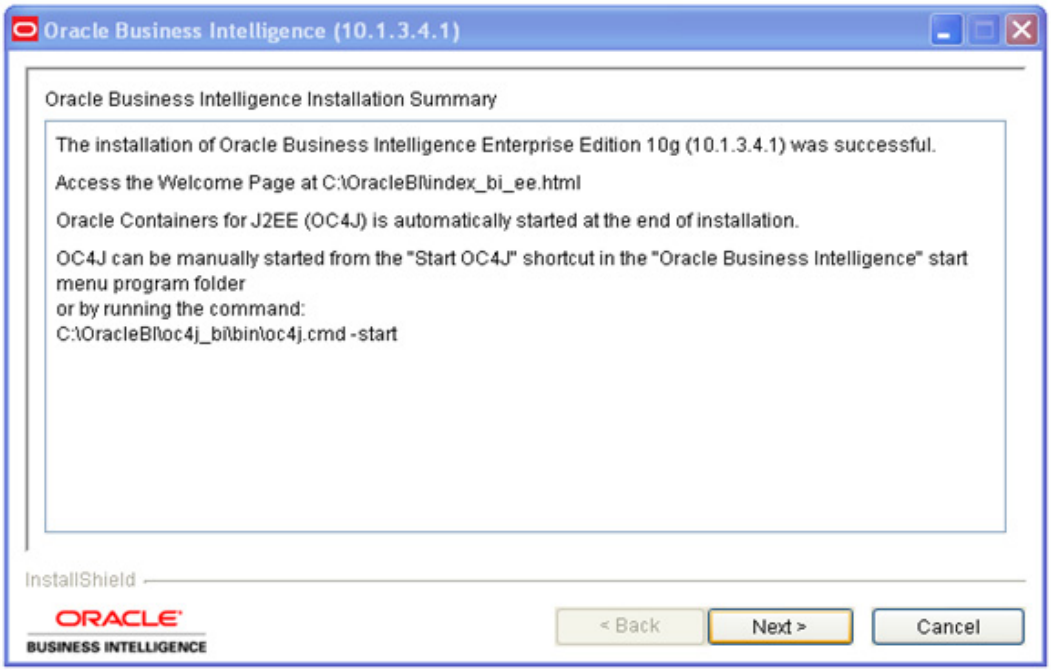


Figure 62: Installation Summary for a Successful Installation

15. Click **Next**. The final step is to restart your computer for some of the updates.

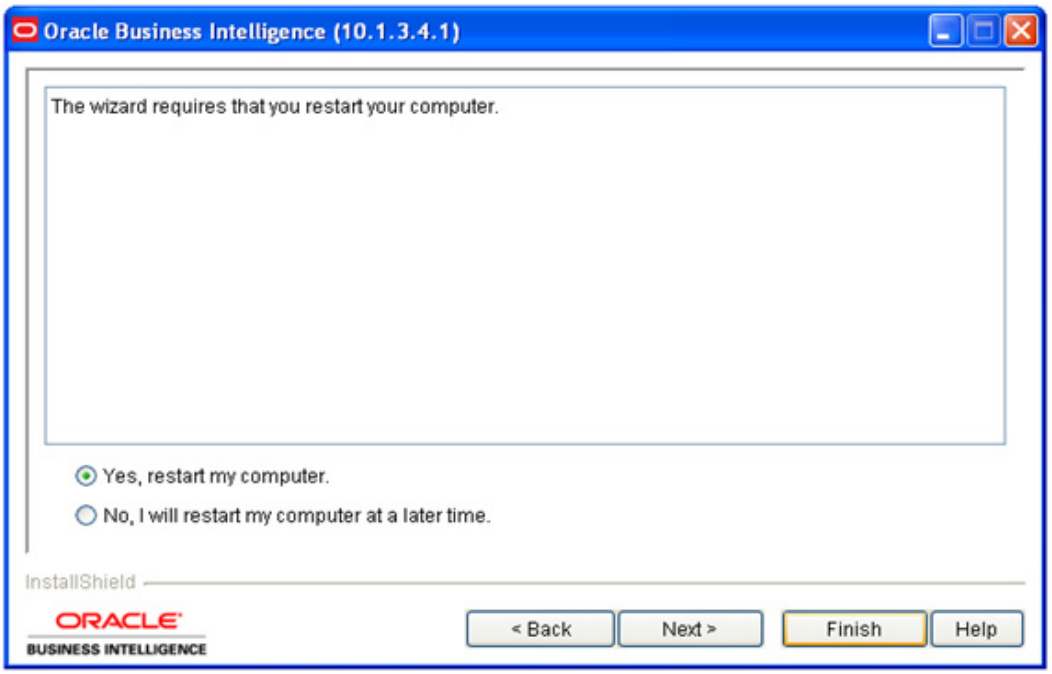


Figure 63: Restart your Computer to Complete the Installation

16. Select the **Yes** radio button and then select **Next** to restart your computer.

WHAT'S THE NEXT STEP IN THE INSTALLATION?

The next step in the installation process is to install Oracle Application Express. Go to:

- *Chapter 6: Installing Oracle Application Express*

Chapter 6

Installing Oracle Application Express

Required Version: Oracle Application Express (APEX) Release 4.0

Download: To download the required version of APEX, enter the following URL in your browser:

http://www.oracle.com/technetwork/developer-tools/apex/downloads/index.html

Documentation: This chapter is not a complete installation guide for APEX but rather is intended to guide you through the APEX installation process and select the recommended options that are best suited for use with OII

The full documentation set for APEX can be found at:

http://www.oracle.com/technetwork/developer-tools/apex/documentation/index.html

The high-level instructions for installing and configuring APEX consists of these steps:

Table 5: Installation Road Map

Step	Description
Step 1	Choose the HTTP Server Option for the Installation
Step 2	Download APEX
Step 3	Install APEX
Step 4	Change the Password for the ADMIN Account

STEP 1: CHOOSE HTTP SERVER OPTION FOR THE INSTALLATION

You will need to decide beforehand which HTTP Server option to choose with APEX. In order to run, APEX requires access to one of the following:

- Oracle Application Express Listener
- Embedded PL/SQL gateway
- Oracle HTTP Server and `mod_plsql`

The post-installation configuration steps for APEX will be different depending on which HTTP Server you choose. Consult the *Oracle Application Express Installation Guide 4.0* for an explanation of each HTTP Server option and which one best suits your needs.

Note *For this particular installation of APEX, we strongly recommend you select the Oracle Application Express Listener.*

STEP 2: DOWNLOAD APEX

1. Create a temporary directory on your computer to which to download the APEX installation file (e.g., **C:\temp\apex**).
2. Load the following URL into your browser to open the **Oracle Application Express Downloads** page.

   http://www.oracle.com/technetwork/developer-tools/apex/downloads/index.html
3. Accept the license agreement at the top of the page.
4. Click on the "Download" link of the most recent version of APEX 4.0 (you may select the *English* or *All Language* option).
5. Follow the instructions on the screen to go through the registration process and download the APEX installation .ZIP file to the temporary directory on your computer.
6. Once the download is complete, locate the .ZIP file and extract the contents of the file using 7-Zip. This will create a directory bearing the same name as the .ZIP file. Directly beneath this directory is a directory called **apex**.

STEP 3: INSTALL APEX

1. Open a command prompt and change your working directory to the **apex** directory.
2. At the command line, start SQL*Plus and connect to the database as SYS specifying the SYSDBA role.

   In this case, connect to the database using the Net Service Name that you created in *Chapter 2: Installing Oracle Database Client* when you ran *Step 3: Create a Client Connection* on page 8 (recall that the sample Net Service Name in that chapter was **Insight700**). For example:

```
> sqlplus sys@Insight700 as sysdba
```

   Output similar to the following is displayed on the screen and you will be prompted for the password for SYS:

```
> SQL*Plus: Release 10.2.0.1.0 Production on Fri Jan 14 15:29:19 2011
> Copyright (c) 1982, 2010, Oracle.  All rights reserved.
> Enter password:
```

3. Enter the password for SYS.
4. The SQL prompt will appear
   :

```
SQL>
```

5. Run the **apexins.sql** command to install APEX while passing the following four arguments in the order shown:

```
SQL> @apexins tablespace_apex tablespace_files tablespace_temp images
```

Where:

- *tablespace_apex* is the name of the tablespace for the Oracle Application Express application user.
- *tablespace_files* is the name of the tablespace for the Oracle Application Express files user.
- *tablespace_temp* is the name of the temporary tablespace.
- *images* is the virtual directory for Oracle Application Express images. To support future Oracle Application Express upgrades, define the virtual image directory as /i/.

Example:

```
SQL> @apexins SYSAUX SYSAUX TEMP /i/
```

As APEX is installed, a series of progress messages will appear on the screen. When the installation is complete, the connection to SQL*Plus will close. The **SQL>** prompt will disappear and you will be returned to your command line.

STEP 4: CHANGE THE PASSWORD FOR THE ADMIN ACCOUNT

In a new installation of Oracle Application Express you must change the password of the internal `ADMIN` account. In an upgrade scenario, the password will be preserved and carried over from the prior release.

To change the password for the ADMIN account:

1. Change your working directory to the **apex** directory where you unzipped the installation software.
2. Restart SQL*Plus and reconnect to the database where Oracle Application Express is installed as SYS specifying the SYSDBA role (just as you did in *Step 2: Download APEX* on page 56).
3. Run **apxchpwd.sql**. For example:

```
SQL> @apxchpwd
```

When prompted enter a password for the ADMIN account.

WHAT'S THE NEXT STEP IN THE INSTALLATION?

Once APEX has been installed you are ready to install the Oracle Insurance Insight application. For these steps, go to:

- *Chapter 7: Installing Oracle Insurance Insight*

Chapter 7

Installing Oracle Insurance Insight

This chapter describes the steps for installing Oracle Insurance Insight (OII) to your system.

Installation Prerequisites

Before you can begin the installation you must have the following information available:

- Oracle Database server name or IP Address
- Oracle database Host Name
- Oracle database SID or Service Name
- Oracle database Port number
- Oracle database user name and password

INSTALL OII

OII is available from the Oracle E-Delivery system as a downloaded .ZiP file:

`http://edelivery.oracle.com/`

1. Obtain the OII installation ZIP file from Oracle E-Delivery and download it to a temporary folder on your machine (i.e. **C:\temp**).
2. Unzip the file.
3. Double-click on the **C:\temp\<OII70>\cd\disk1\install*setup.exe*** file.

The Welcome screen of the OII Installer opens.

Figure 64: Installer Welcome Screen

4. Click **Next**. The **Specify Home Details** screen opens. When you first arrive at this screen the **Name** and **Path** fields are already populated with the default installation name and the full path.where OII will be installed.

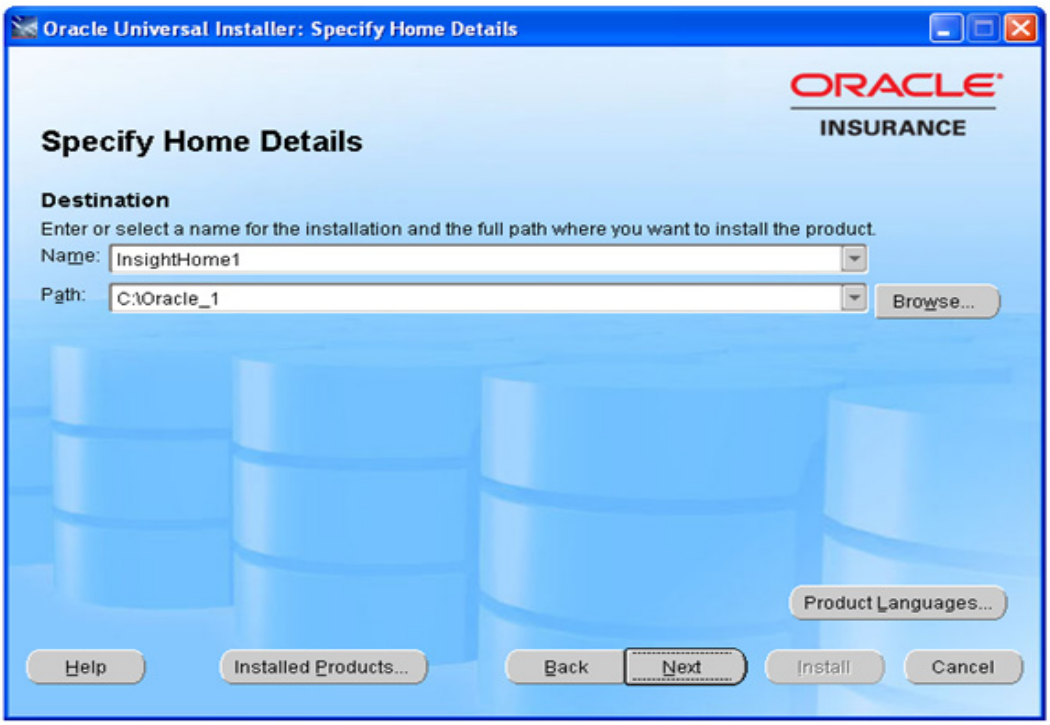


Figure 65: The Default Settings on the Specify Home Details Screen

5. Specify the installation name and the full default path where you want to install OII.

   - **Name:** The **Name** field refers to the current Oracle home name for this particular installation of OII. Each Oracle home name has a unique name that distinguishes it from all other Oracle home names for other Oracle products on your machine. The Oracle home name is commonly used in Start menus items and to identify service names if the particular product is run as a Windows service.
   - **Path:** This is the full path to the home directory where all OII files will be installed. It is strongly recommended that you enter a distinct path for the OII installation directory. For example: **C:\Oracle\Insight_Home**

Note	The Oracle home name and the OII home directory do not have to be the same.

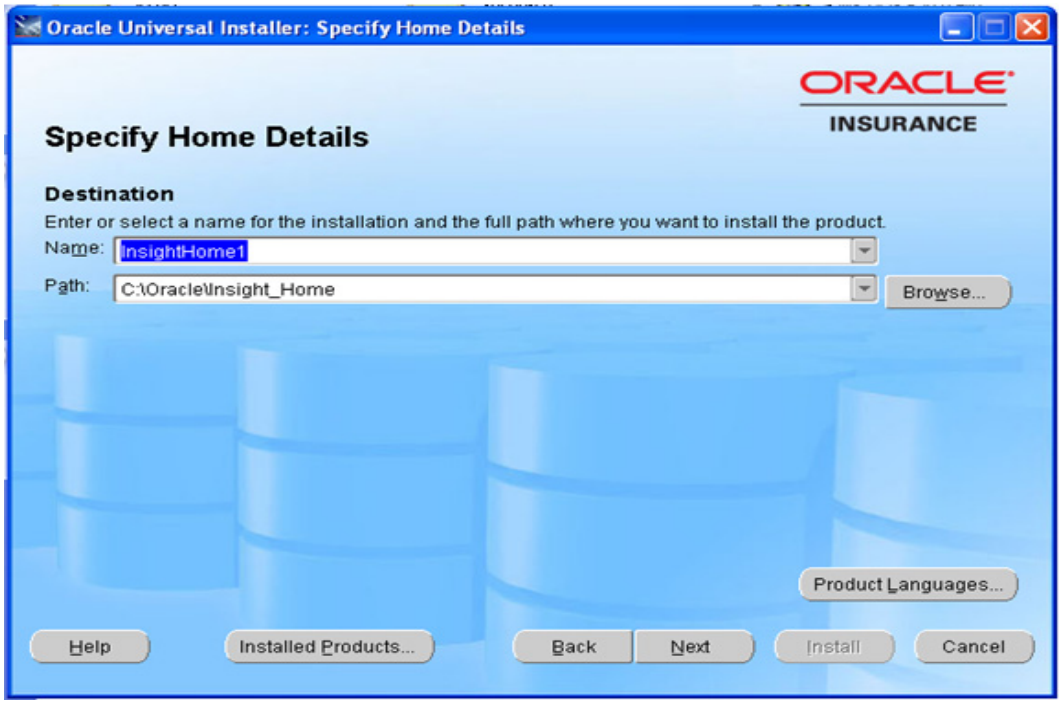


Figure 66: Specify Home Details Screen

6. Click **Next**. The **Select Installation Type** screen opens.

Figure 67: Select Installation Type Screen

7. Accept all of the selected components and click **Next**. The **Specify OII OBIEE Config Parameters** screen opens.

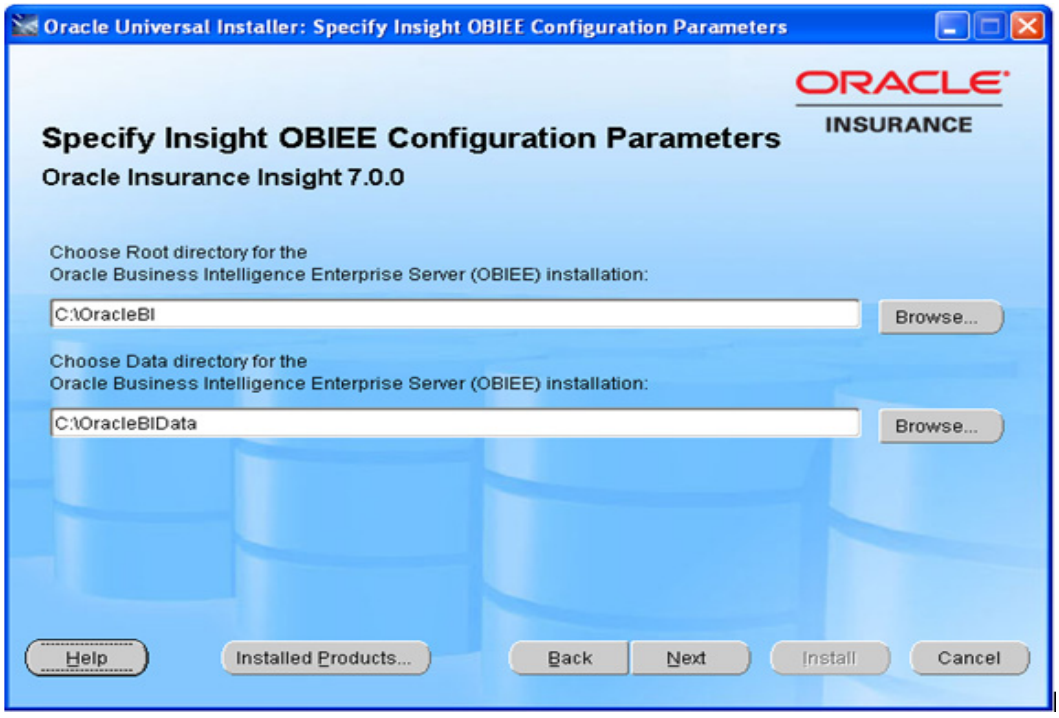


Figure 68: OII OBIEE Config Parameters Screen.

8. Accept the default paths to the OBIEE Root directory and the OBIEE Data directory. These are the same paths that you specified when you initially installed OBIEE (see *Chapter 5: Installing Oracle Business Intelligence Enterprise Edition* on page 47). The default locations are:
   - The default installation location is **C:\OracleBI.**
   - The default Data Location is **C:\OracleBIData**.
9. Click **Next**. The **Database Configuration Parameters** screen opens. This screen allows you to enter the necessary parameters to connect to the Oracle database using SYSDBA privileges.

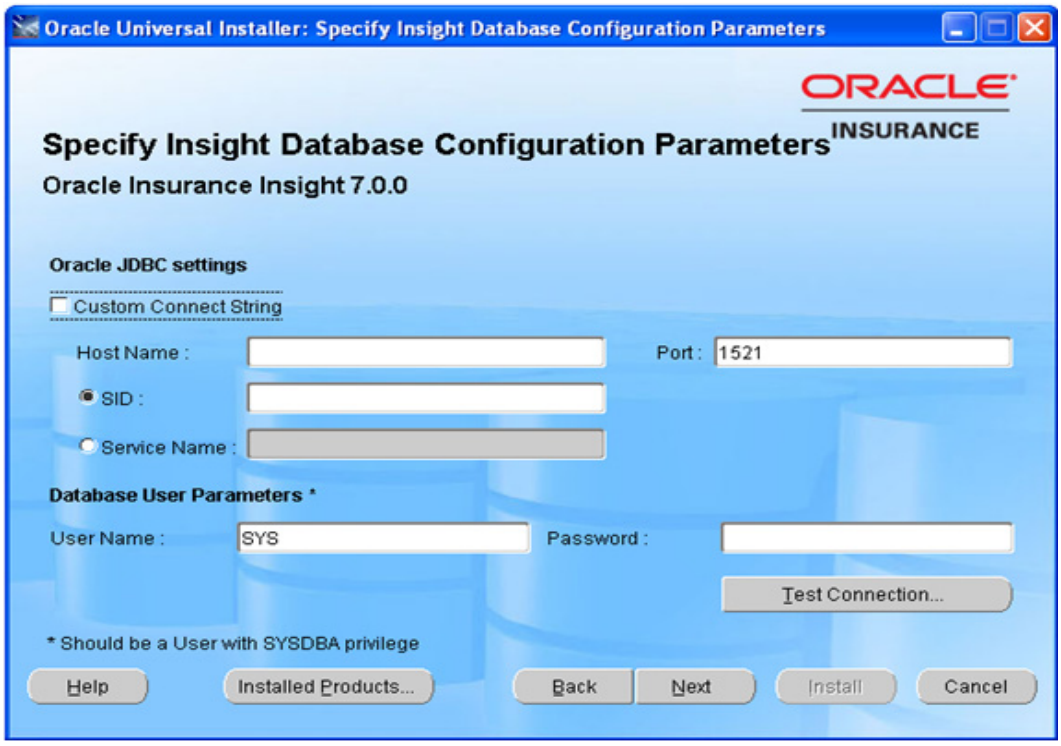


Figure 69: Database Configuration Parameters Screen

10. Specify the Oracle JDBC settings:
    - **Host Name** - Enter the host name of the Oracle database.
    - **SID or Service Name** - Enter either the System Identifier or Service Name of the Oracle database.
    - **Port** - Enter the Port number.
11. Enter the following **Database User Parameters** to connect to the Oracle database:
    - **User Name** - Enter the user name.
    - **Password** - Enter the password.

12. Select the **Test Connection** button to ensure that a connection to the Oracle database could be made with the information you provided. An error message will appear if the connection fails.
13. Click **Next**. The **Schema Configuration Parameters** screen opens. This screen allows you to enter user names and password for the OII schemas. Note that when you arrive at this screen a the default user names for the schemas (OII_ST, OII_WH, etc.) are already provided. These user names can be changed if you wish.
14. Keep the default user names or enter new ones for the OII schemas.
15. Enter a password for each of the OII schemas.

Important Make sure that you record the user names and passwords that you enter at this screen. You will need them later on in order to perform various configuration steps in ODI.

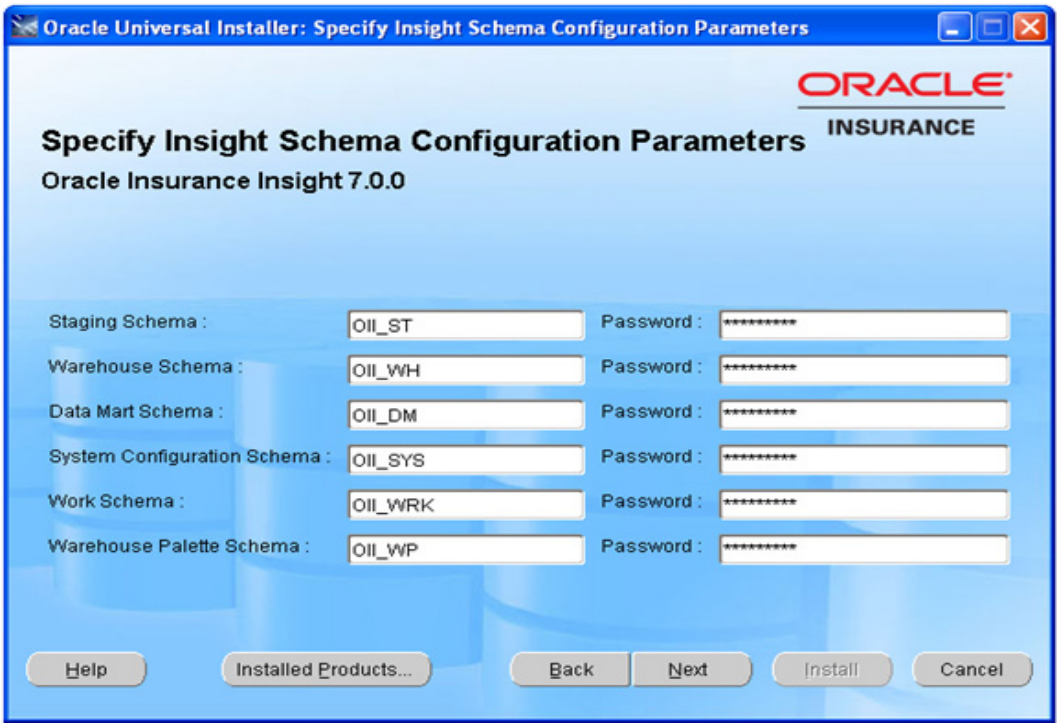


Figure 70: Schema Configuration Parameters Screen

16. Click **Next**. The **Summary Screen** opens.

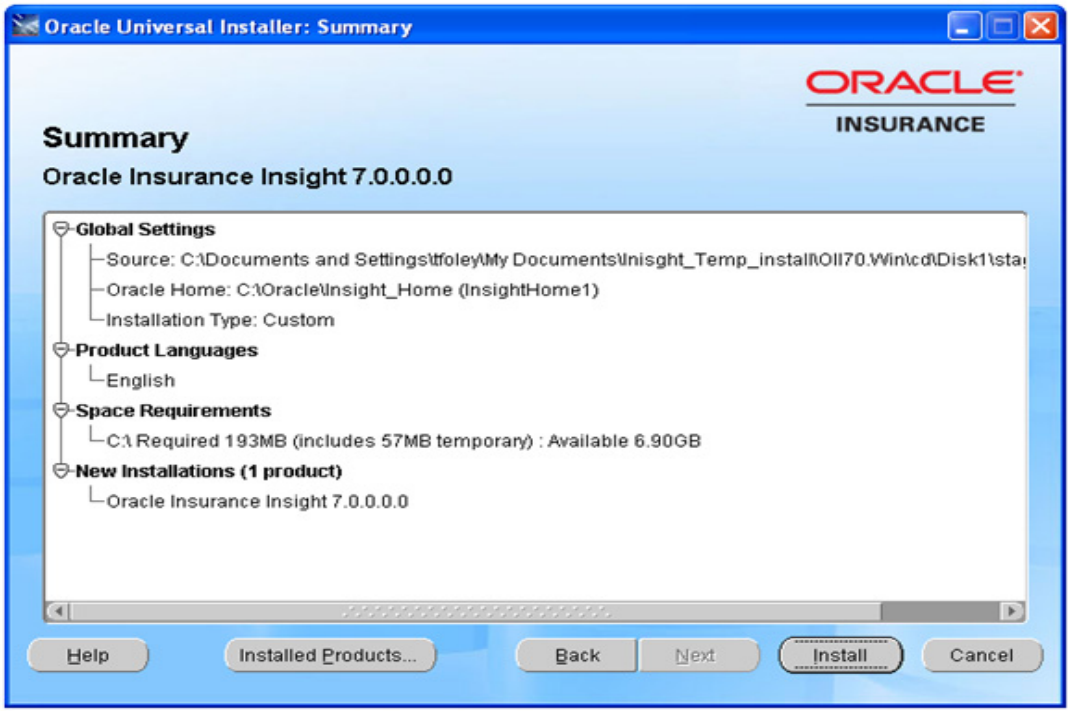


Figure 71: Summary Screen

17. Review the summary settings and click **Install** to start the installation. The following screen appears and allows you to follow the progress of the installation.

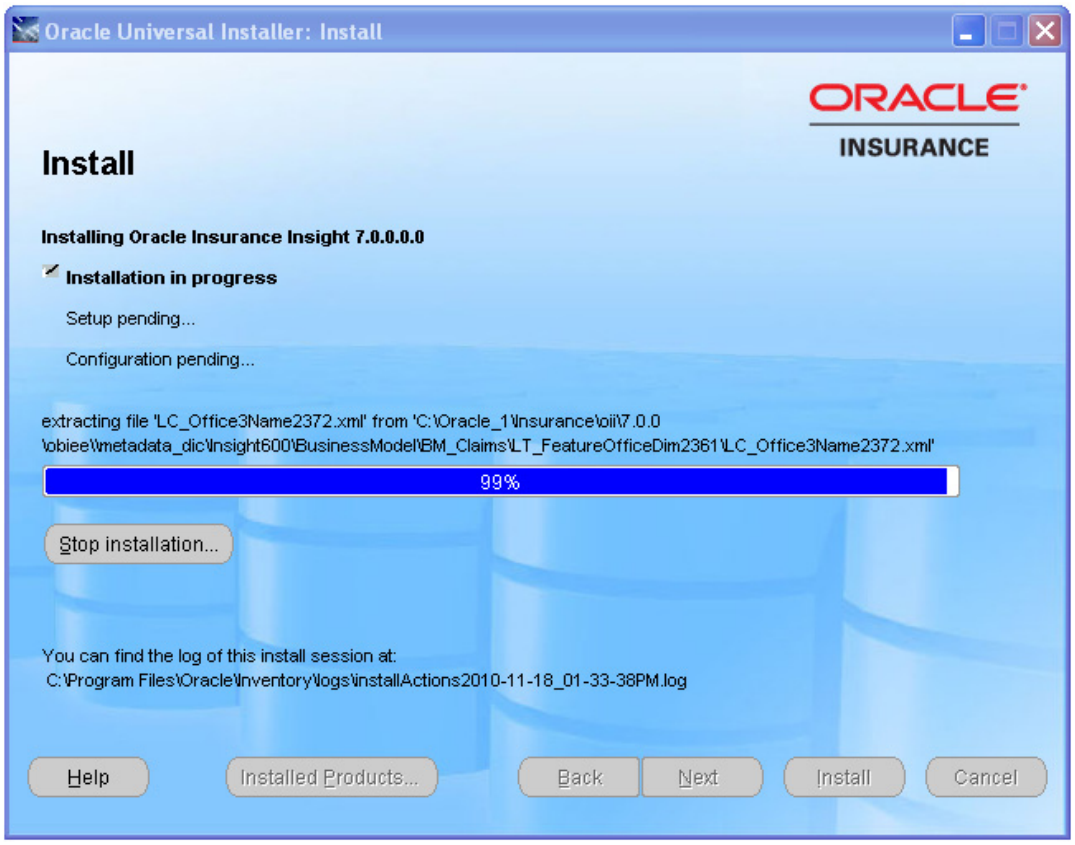


Figure 72: Progress Screen

When the installation is complete the Configuration Assistant screen opens. This screen displays the tools to be run prior to completing the installation.

In the event that any components failed the configuration process, it will display the details of the error on the lower portion of the screen.

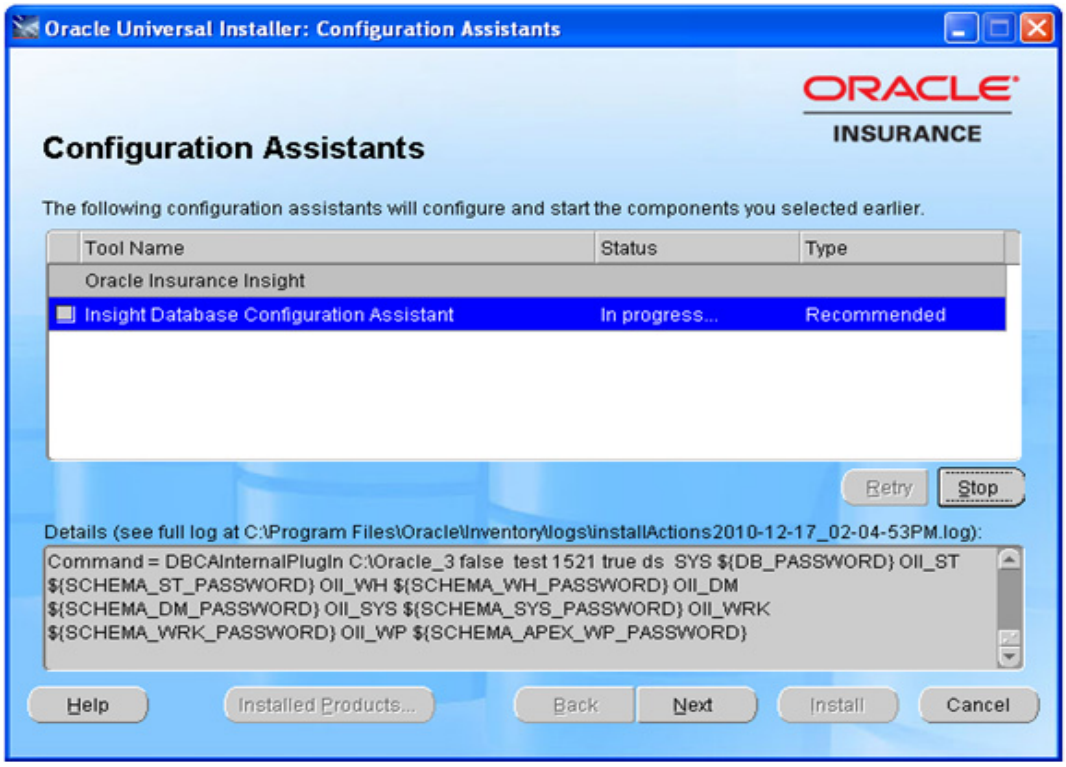


Figure 73: Configuration Assistants Screen

18. In the event of an error, refer to the log files and fix the issue and then select **Retry**.
19. If all tools run successfully, you will automatically proceed to the next screen which will announce that the OII installation has been successful.

WHAT'S THE NEXT STEP IN THE INSTALLATION?

Once OII has been installed you will need to perform a series of post-installation steps, starting with creating and configuring a workspace for the OII Warehouse Palette in APEX. For these steps, go to:

- *.Chapter 8: Performing the Oracle Application Express Post-Installation Steps*

Chapter 8

Performing the Oracle Application Express Post-Installation Steps

Once APEX is installed and running you must configure it to work with the Warehouse Palette. This process involves creating a *Workspace* for the Warehouse Palette via the Oracle Application Express Administration Service.

This section will walk you through the steps for creating and configuring a workspace for the Warehouse Palette. For an in-depth description of the features of the APEX Administration Service, refer to these manuals:

- *Oracle Application Express Administration Guide Release 4.0*
- *Oracle Application Express Application Builder User's Guide Release 4.0*

Both of these manuals can be found along with the rest of the APEX documentation set at:

http://www.oracle.com/technetwork/developer-tools/apex/documentation/index.html

The following are the high-level steps for creating and configuring a Workspace for the Warehouse Palette.

Table 6: Configuration Road Map

Step	Description
Step 1	Create a Workspace for the Warehouse Palette
Step 2	Create a User for the Warehouse Palette Workspace
Step 3	Delete the Sample Application from the Warehouse Palette Workspace
Step 4	Import OII Application into APEX
Step 5	Open the Warehouse Palette

STEP 1: CREATE A WORKSPACE FOR THE WAREHOUSE PALETTE

1. Enter the URL for the APEX Administration Service in your Web browser:

   `http://<hostname>:<port>/apex/apex_admin`

   where:

   hostname - the host name where the WebLogic application server is installed.

   port - is the port number assigned to the application server. The default port for the Oracle Application Express Listener deployed on WebLogic is 7001.

   apex - the mount point defined in the Web Server configuration file.

   For example:

   `http://host_name:7001/apex/apex_admin`

   The APEX Administration Service Login screen will appear in your browser:

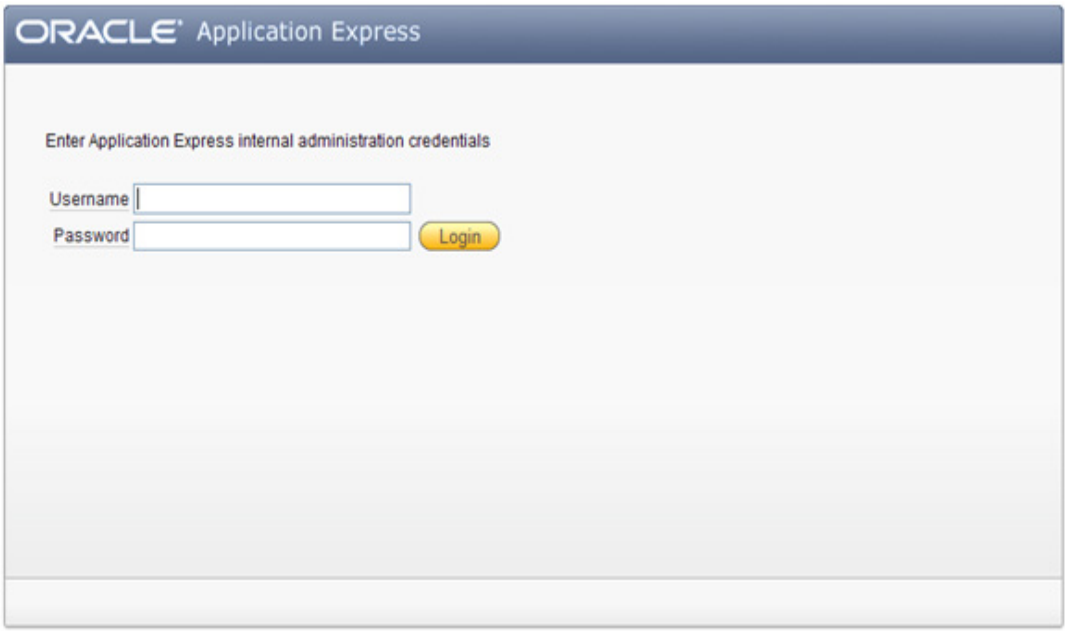


Figure 74: APEX Administration Service Login Screen

2. When the Login page comes up for the APEX Administration Services enter:

   - **Username -** Enter **admin.**
   - **Password:** Enter the administrator account password that you specified when you changed the default administrator password.

The APEX Administration Services console opens.

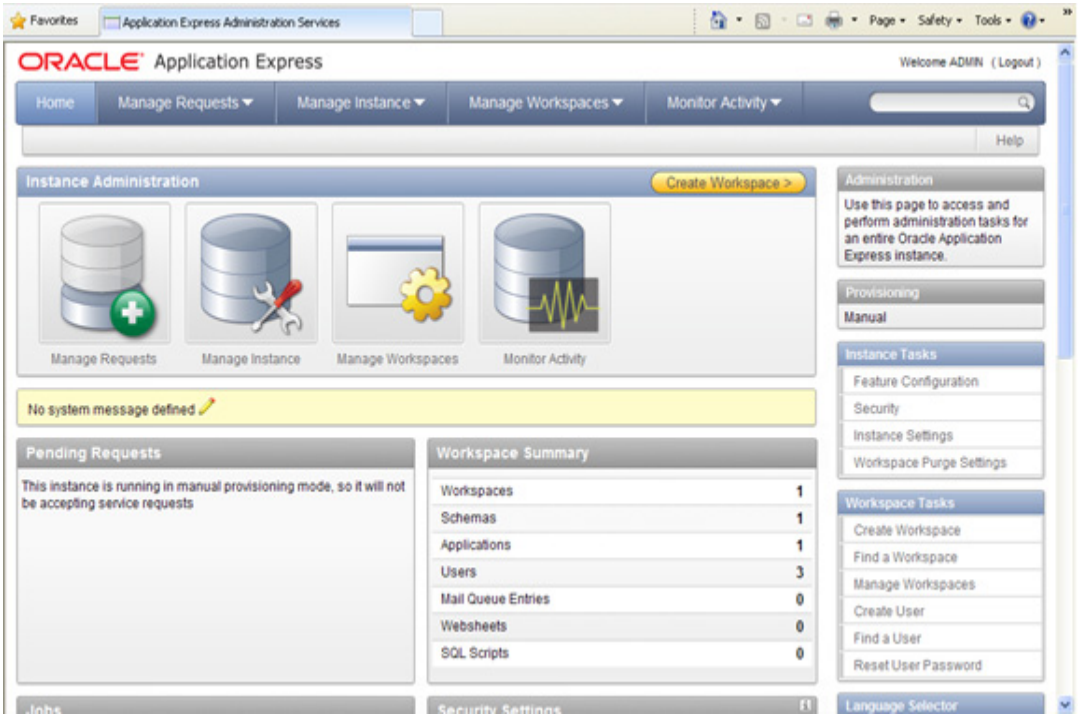


Figure 75: APEX Administration Services Console

3. Click on the **Manage Workspaces** tab. The Manage Workspaces page opens.

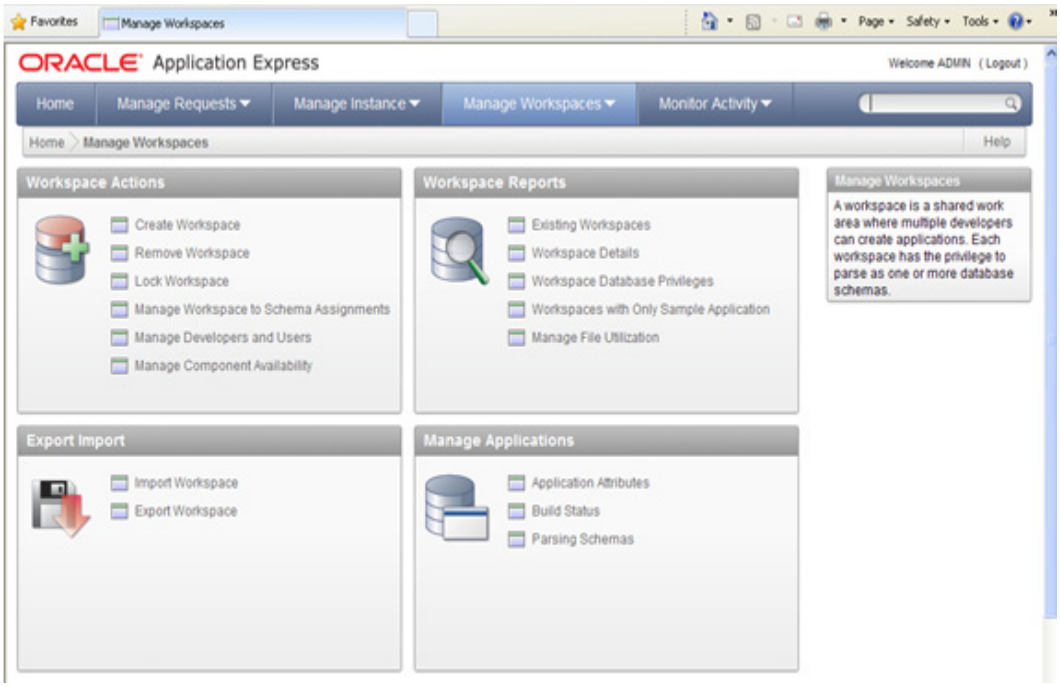


Figure 76: Manage Workspaces Page

4. Click on **Create Workspaces** under the Workspace Actions section. The Identify Workspace screen opens. This is the first screen in a wizard that will walk you through the steps of creating a workspace.

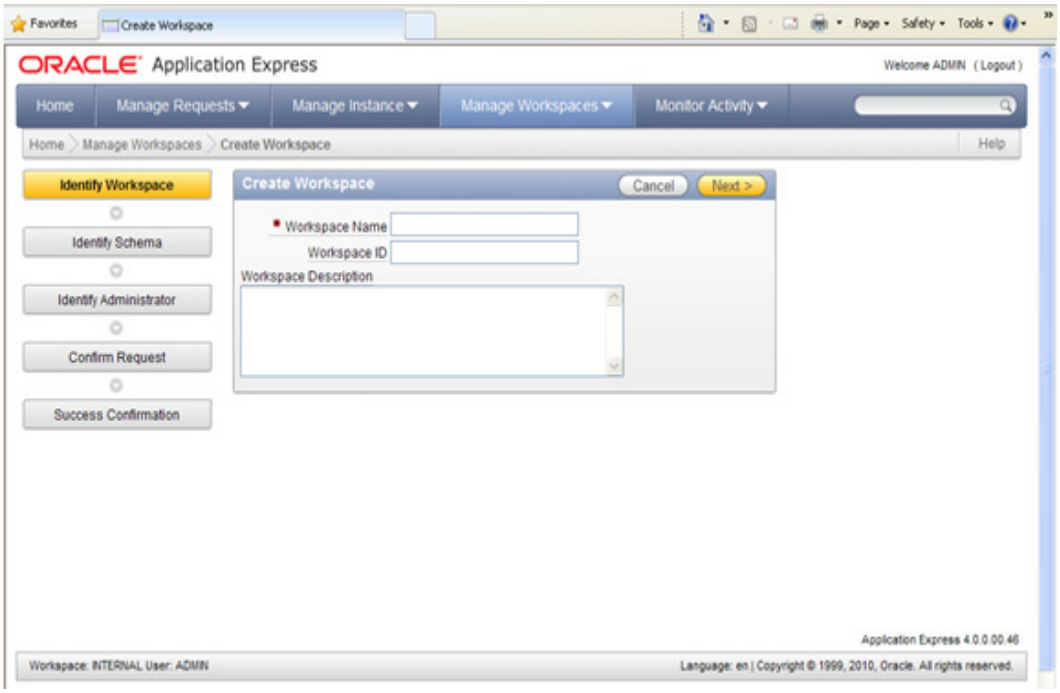


Figure 77: Identify Workspace Screen

5. For Identify Workspace:

   - **Workspace Name** - Enter a Workspace Name for the Warehouse Palette (i.e., OII_WP)
   - **Workspace ID** - Leave this field blank. It will be automatically generated by APEX.
   - **Workspace Description** - Enter a description of the workspace. The description is optional.

6. Click **Next**. The Identify Schema page opens.

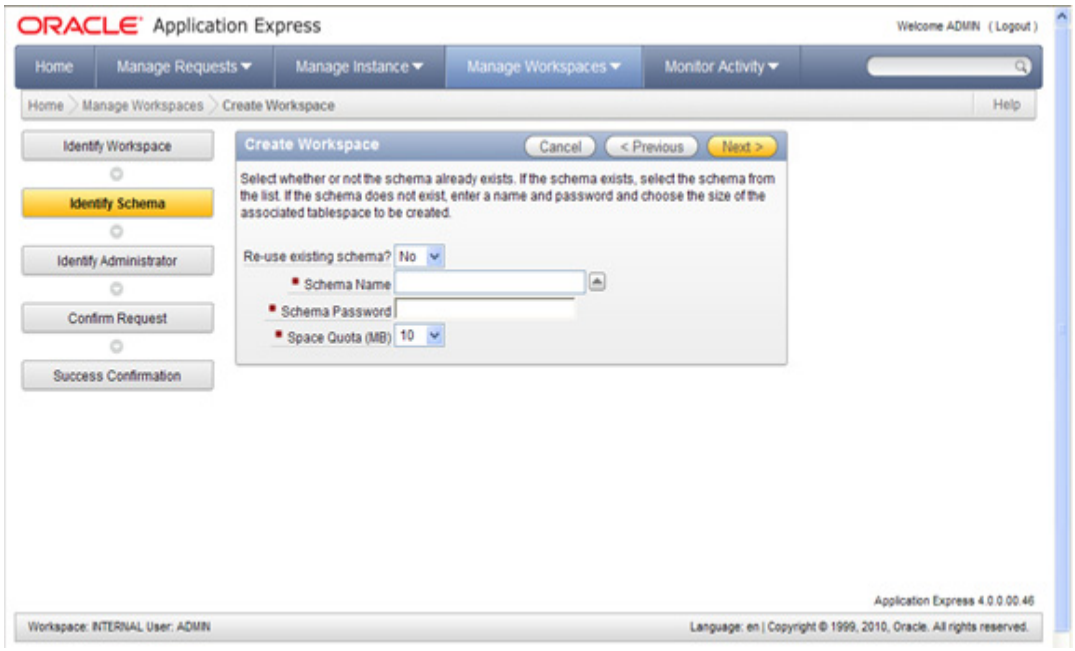


Figure 78: Identify Schema Screen

7. For Identify Schema:
   - **Re-Use existing schema?** - Select **No**.
   - **Schema Name** - Enter a schema name for the Warehouse Palette (i.e. OII_WP).
   - **Schema Password** - Enter a password for the schema.
   - **Space Quota** - Accept the default.
8. Click **Next**. The Identify Administrator screen opens.

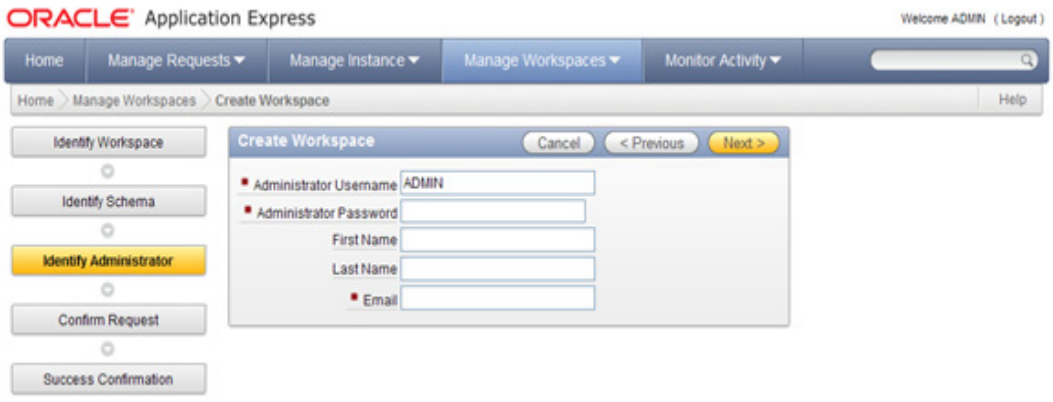


Figure 79: Identify Administrator Screen

9. For Identify Administrator, enter a Username and Password of your choice for the Workspace. Note that the username/password that you enter here is different from the username/password that you used to log into the APEX Administration Services Console.

Important	Remember this username and password as well as the workspace name. You will need this information once you exit the APEX Administration Services Console and log back in.

10. Click **Next**. The Confirm Request page opens.

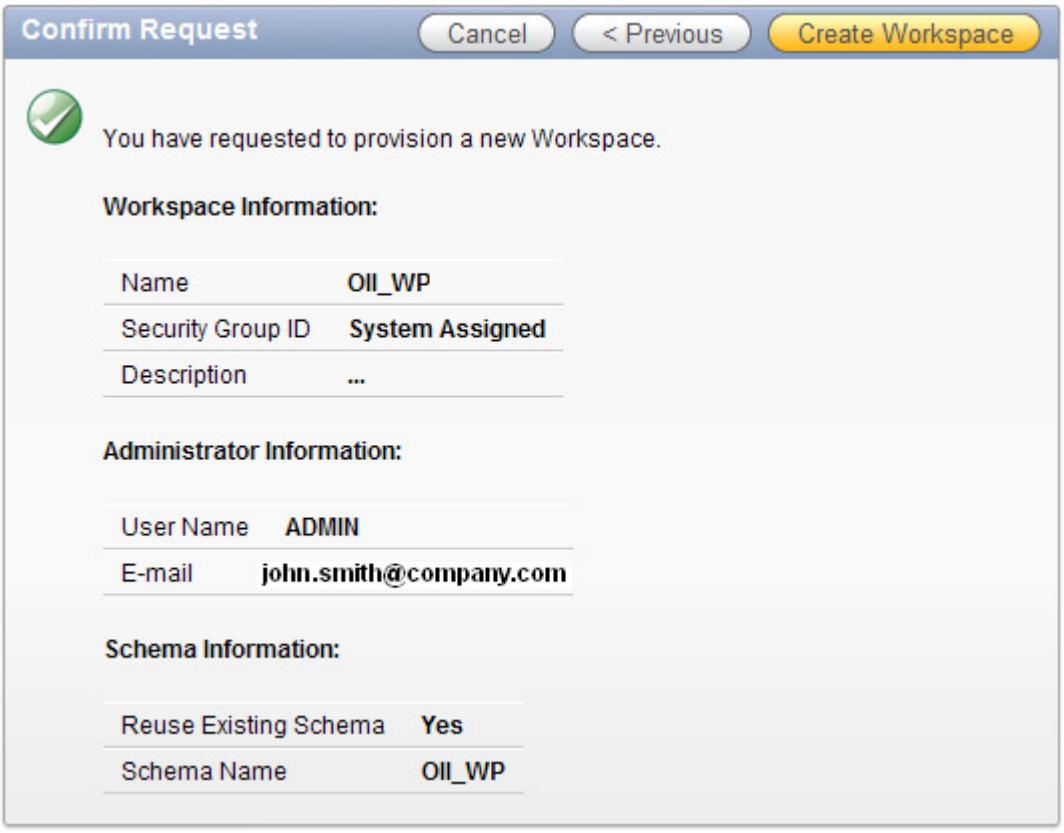


Figure 80: Confirm Request Screen

11. Review the information and click the **Create Workspace** button. The Success Confirmation page opens.

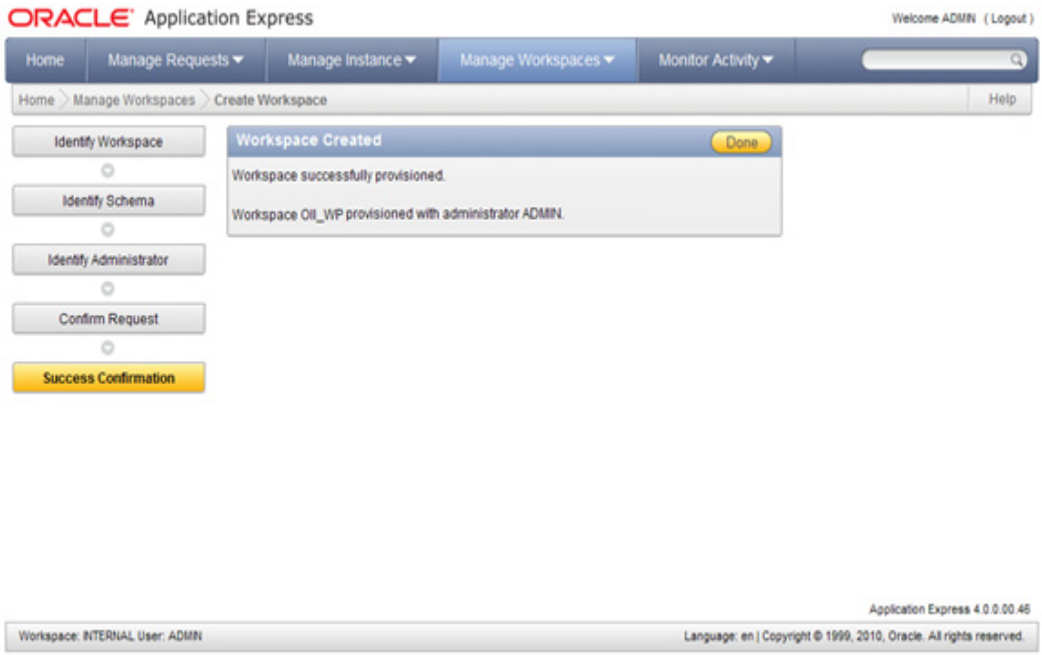


Figure 81: Success Confirmation Screen

12. Click **Done**. You will returned to the Manage Workspaces screen.
13. Click on the **Logout** link to exit the APEX Administrative Services console.

14. Click on the **Login** button. This time you will be prompted for the Warehouse Palette workspace login information:

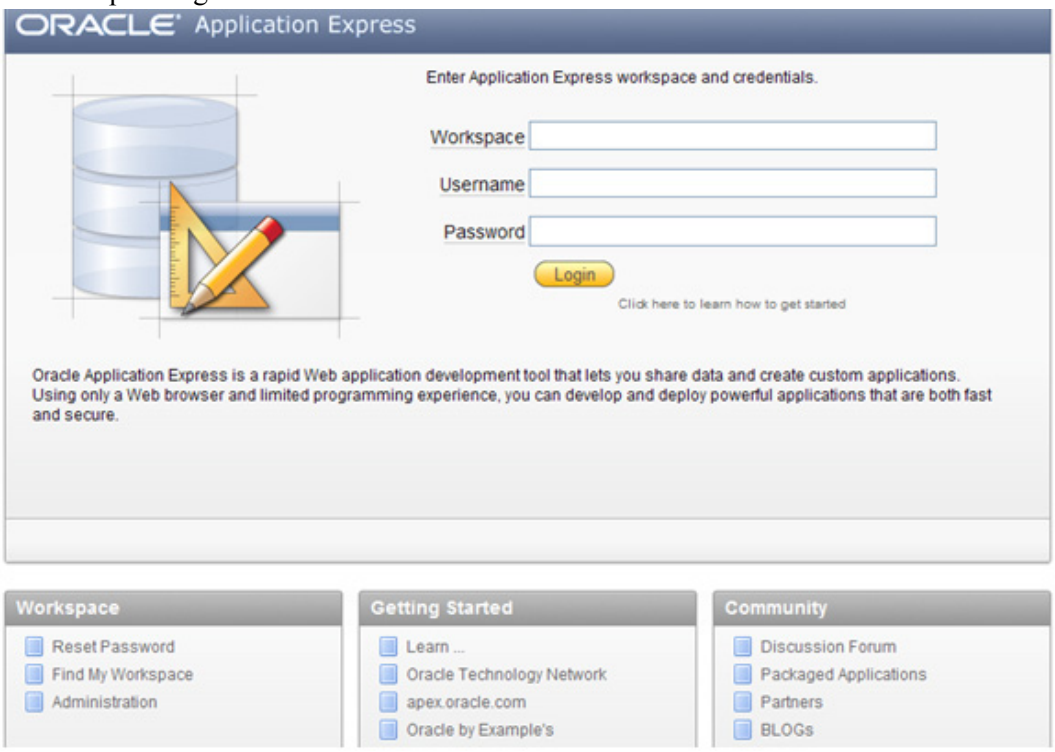


Figure 82: Login Screen for the Warehouse Palette Workspace

15. Enter the Workspace Name, Username, and Password for the Warehouse Palette workspace.
16. Click the **Login** button. This time a screen will appear and prompt you to change the workspace's password:

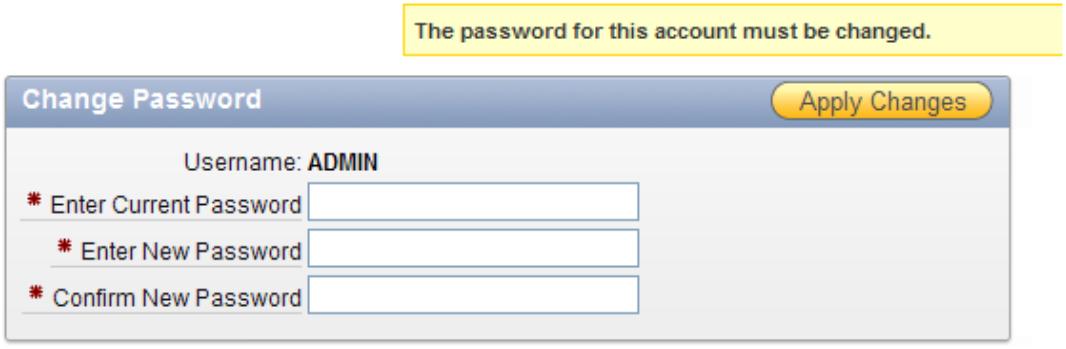


Figure 83: Change Password for the Warehouse Palette

17. Change the Warehouse Palette workspace password:
    - Enter the current password
    - Enter a new password
    - Reenter the new password
    - Click Apply Changes.

A message will appear on the screen confirming that the password has changed. A single **Return** button will also appear on the screen.

18. Click the **Return** button. You will be returned to the Login screen.

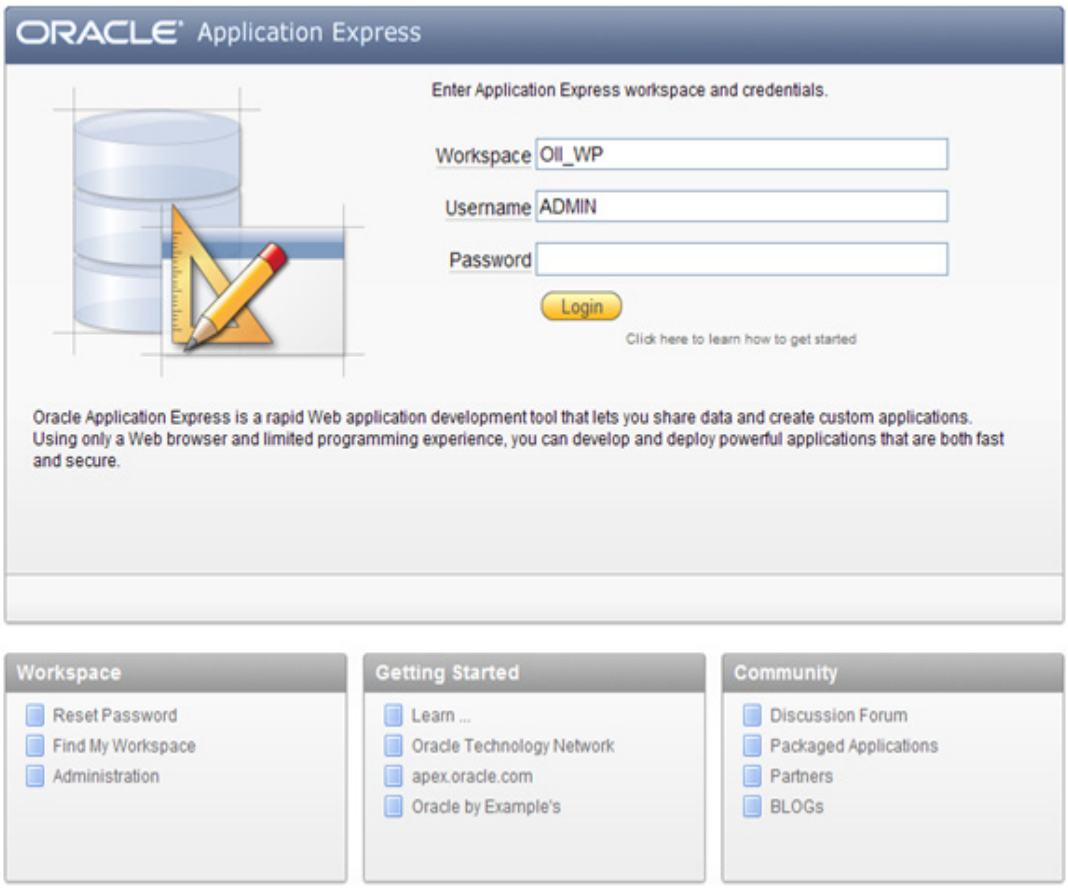


Figure 84: Login Screen for the Warehouse Palette Workspace

19. Enter the new password and click the **Login** button. The screen will open on the Warehouse Palette workspace.

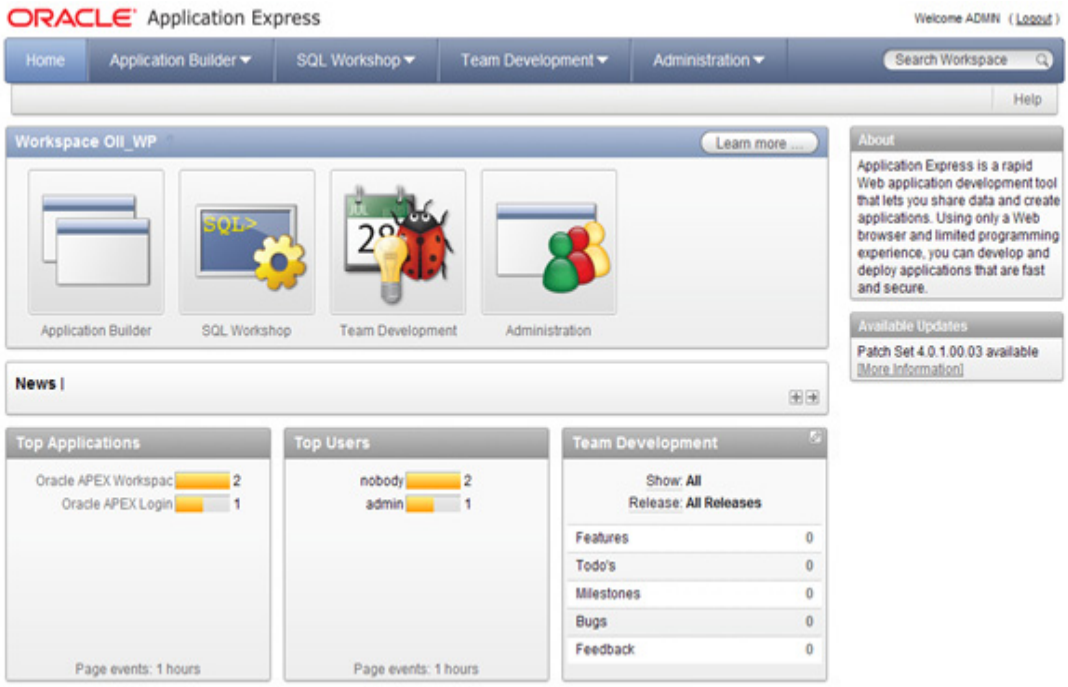


Figure 85: The Warehouse Palette Workspace

STEP 2: CREATE A USER FOR THE WAREHOUSE PALETTE WORKSPACE

1. Open the **Administration** menu and select **Manage Users and Groups**. The Users screen for the Warehouse Palette workspace opens.

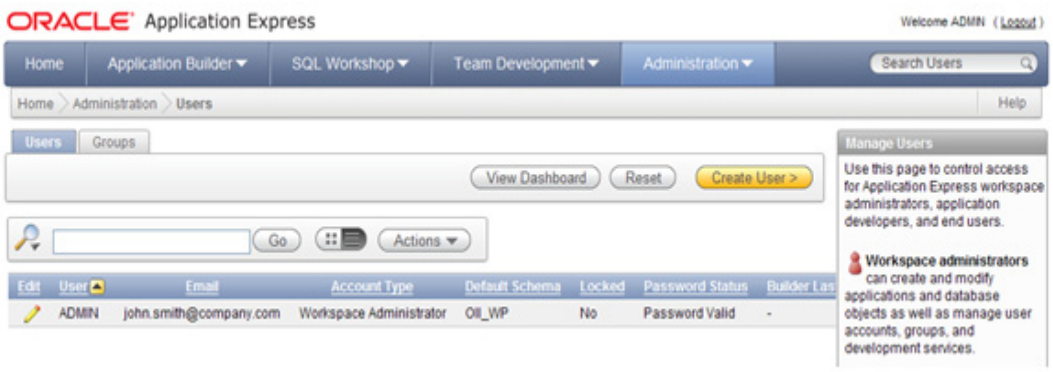


Figure 86: Users Screen for the Warehouse Palette Workspace

2. Click the **Create User** button. The Create User page opens.

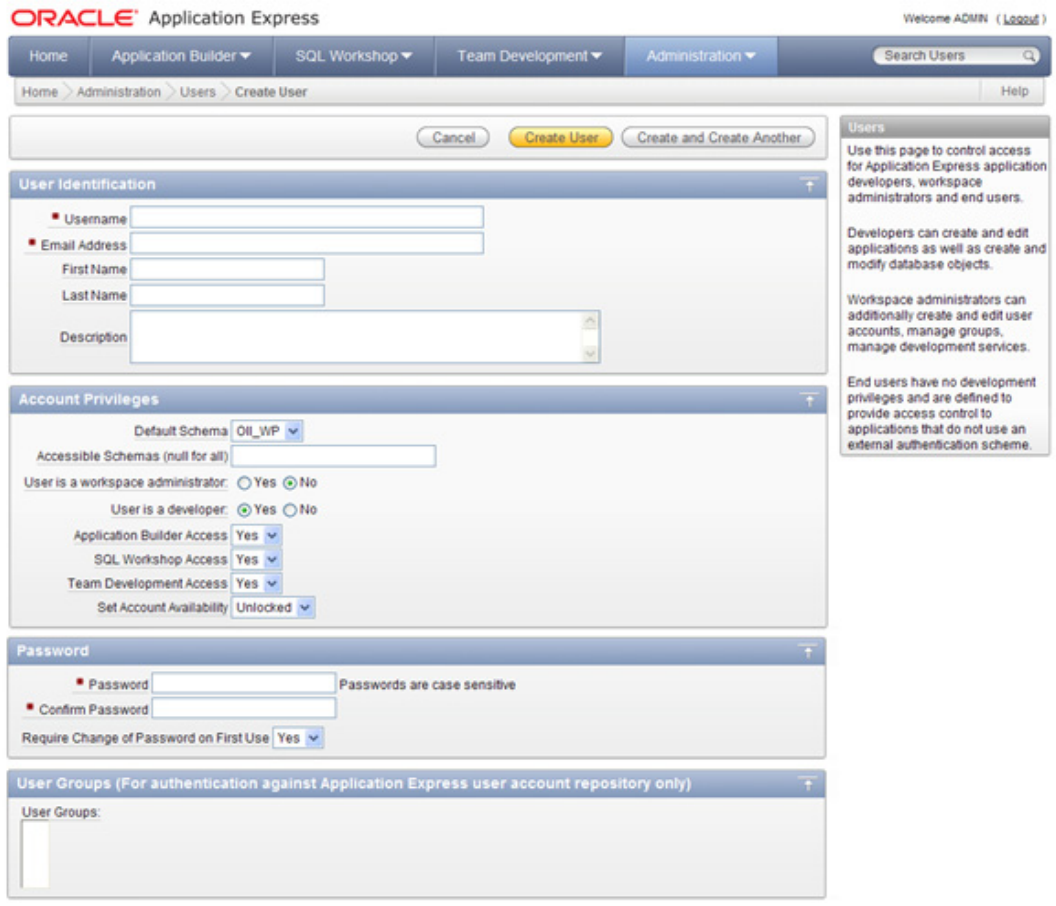


Figure 87: Create User Page

3. Under User Identification, enter:
   - **Username** - Enter the username that is used to log into the system.
   - **Email Address** - Enter an email address for the user.
   - **First Name (optional)** - Enter the user's first name.
   - **Last Name (optional)** - Enter the user's last name.
   - **Description (optional)** - Enter a description of the user (i.e, business analyst).
4. Under Account Privileges:
   - **Default Schema** - The default schema is the schema you created for the workspace (see page 73).
   - **Accessible Schemas (null for all)** - Leave this field blank.
   - **User is a workspace administrator** - Select **No**.
   - **User is a developer** - Select **No**.
   - **Application Builder Access** - Determines whether a developer has access to the Application Builder. This option is greyed out if "No" is selected at **User is a developer**.
   - **SQL Workshop Access** - Determines whether a developer has access to the SQL Workshop. This option is greyed out if "No" is selected at **User is a developer**.
   - **Team Development Access** - Determines whether a developer has access to the Team Development.
   - **Set Account Availability** - Select **Locked** to prevent the account from being used or **Unlocked** to allow the account to be used.
5. Under Password:
   - **Password** - Enter a password for the user.
   - **Confirm Password** - Reenter the user password.
   - **Require Change of Password on First Use** - Select **No** to allow the user to use the password until it expires. Select **Yes** to require the user to change the password upon the initial login.
6. Click the **Create User** button. You will be returned to the Users screen. The new user is listed on the screen.

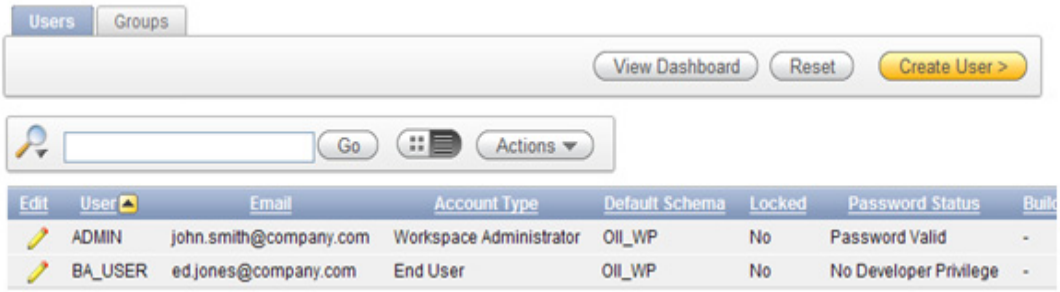


Figure 88: The New User is Added to the Warehouse Palette Workspace

STEP 3: DELETE THE SAMPLE APPLICATION FROM THE WAREHOUSE PALETTE WORKSPACE

APEX adds a sample application to each new workspace that is created. The sample application serves no purpose in the Warehouse Palette workspace and should be removed.

1. Log into APEX as an administrator.
2. Return to the Homes page for the Warehouse Palette workspace.
3. Select the **Application Builder** icon. The Application Builder page open.

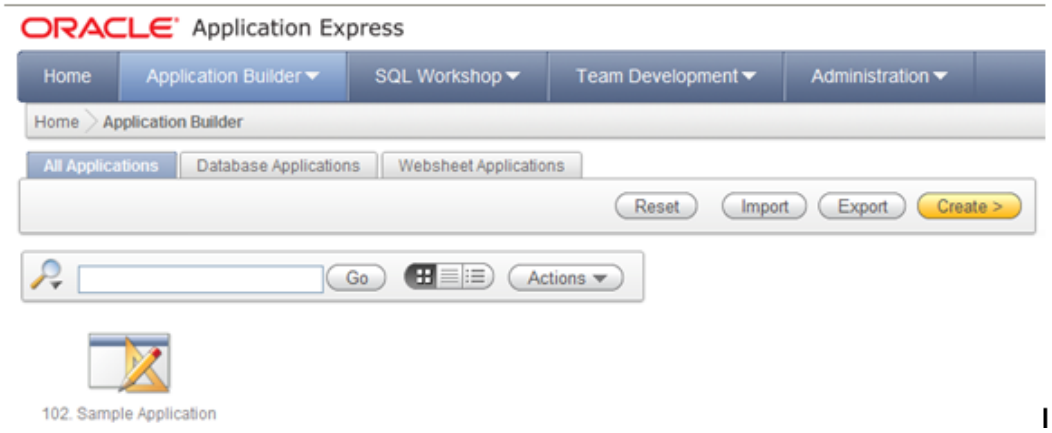


Figure 89: Sample Application

4. Click on the Sample Application. The page for the Sample Application opens.

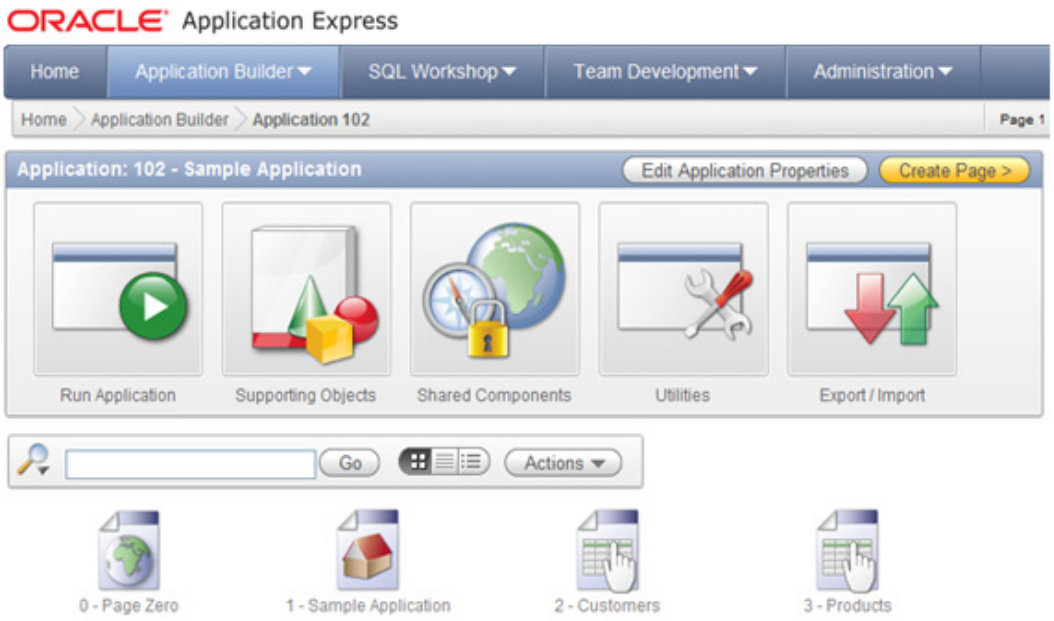


Figure 90: Contents of the Sample Application

5. Click on the **Edit Application Properties**. The Edit Application screen opens.

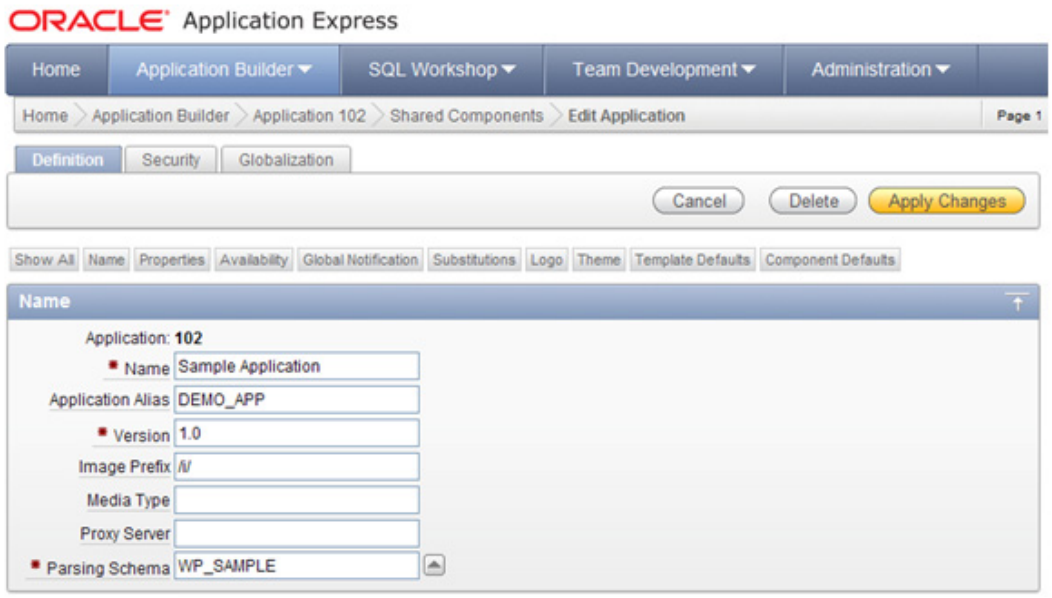


Figure 91: Sample Application Definitions.

6. Click on the **Delete** button. A message screen will appear asking you to confirm your decision.

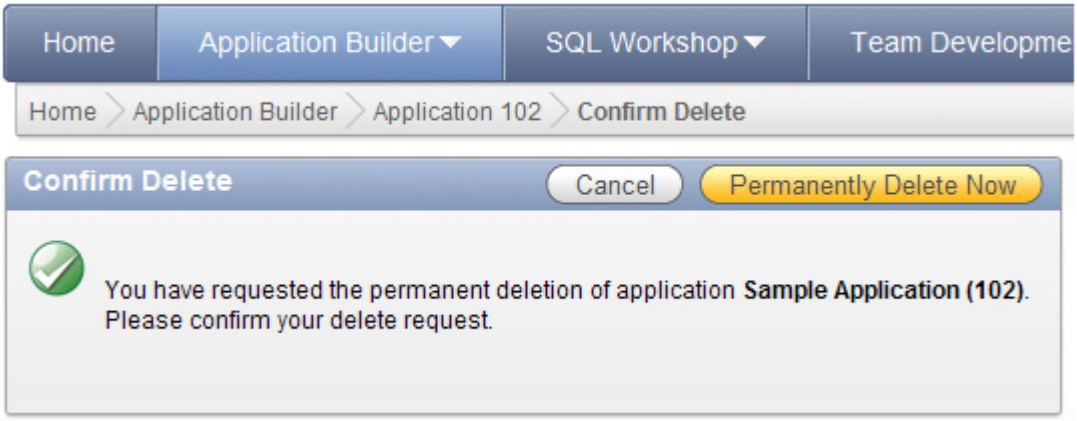


Figure 92: Confirm Deletion of Sample Application

7. Click the **Permanently Delete Now** button.
8. You will be returned to the All Applications tab on the Application Builder screen. A message at the top of the screen will inform you that the Sample Application has been deleted.

STEP 4: IMPORT OII APPLICATION INTO APEX

During the installation of OII, the OII Installer copies a SQL script, *wp_apex.sql*, to your system that must be imported into APEX. This file is located under:

<OII_ROOT>\install\apex

where:

- **<OII_ROOT>** - is the OII installation directory. For example:

C:\Oracle\Insight_Home\Insurance\oii\7.0.0\install\apex

1. On the Application Builder page, click on the **Import** button. The Specify File page opens:
2. For the Specify File box, select the following:
   - **Import File** - Use the **Browse** button to locate:

     <OII_ROOT>\install\apex*wp_apex.sql*.
   - **File Type** - Select **Database Application, Page or Component Export.**
   - **File Character Set** - Verify that the File Character Set is correct.
3. Click **Next**. The screen refreshes and message will inform you that the import was successful.

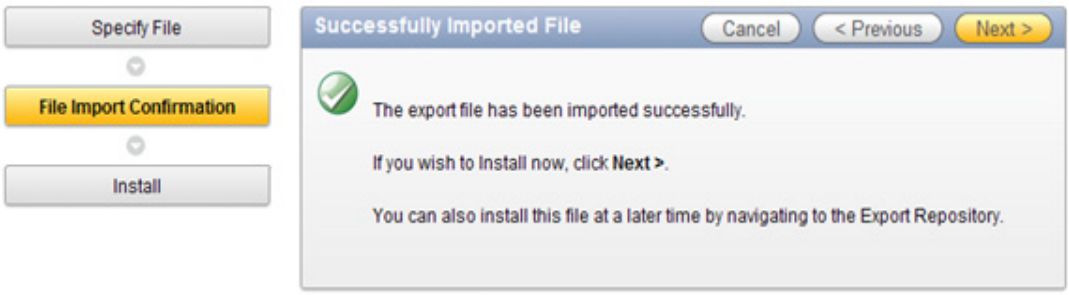


Figure 93: File Import Confirmed

4. Click **Next**. The Install Application page opens.

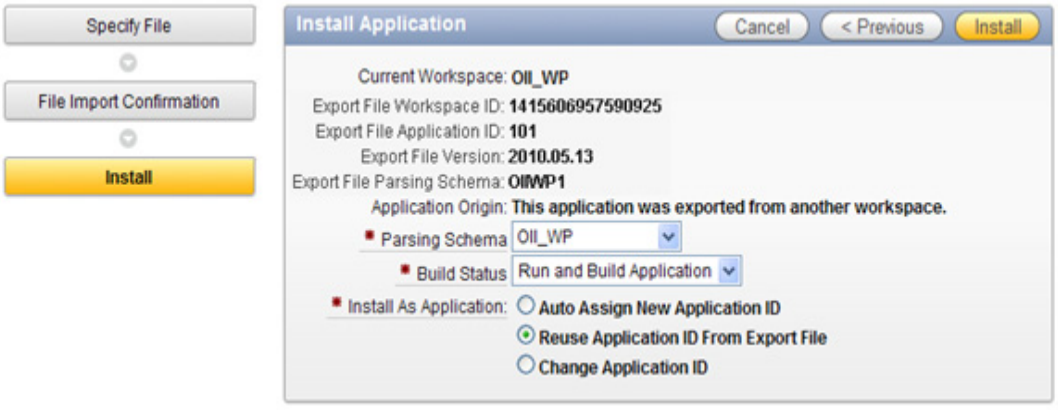


Figure 94: Install Application

5. In Install Application, select the following:
   - **Parsing Schema** - Select the OII_WP schema that you created previously.
   - **Build Status** - Select either:
     - Run Application Only
     - Run and Build Application
   - **Install as Application** - Select either:
     - Auto Assign New Application ID
     - Reuse Application ID From Export File
     - Change Application ID.
6. Click **Install**. You will be returned to the Application Builder page. The newly installed application will appear on this page.

STEP 5: OPEN THE WAREHOUSE PALETTE

1. Open you browser and enter the URL where the Warehouse Palette resides:

   `http://<hostname>:<port>/apex/`

   where:

   hostname - the name of the system where WebLogic is installed.

   port - is the port number assigned to the WebLogic application server. The default port is 7001.

   apex - the mount point defined in the Web Server configuration file.

   The Warehouse Palette login screen appears:

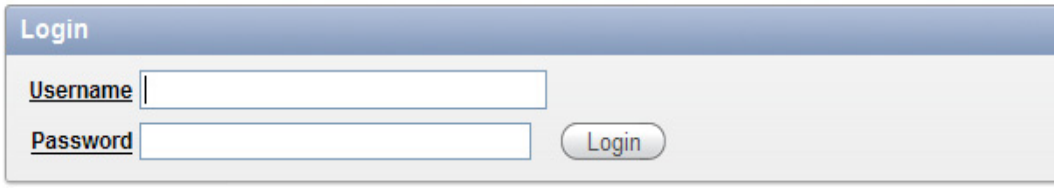


Figure 95: Warehouse Palette Login Screen

2. Type in the Username and Password for the Workspace that you created in *Step 1: Create a Workspace for the Warehouse Palette* on page 70.
3. Click the **Login** button.

4. The Manage LOBs page opens. This screen is the home page of the Warehouse Palette.

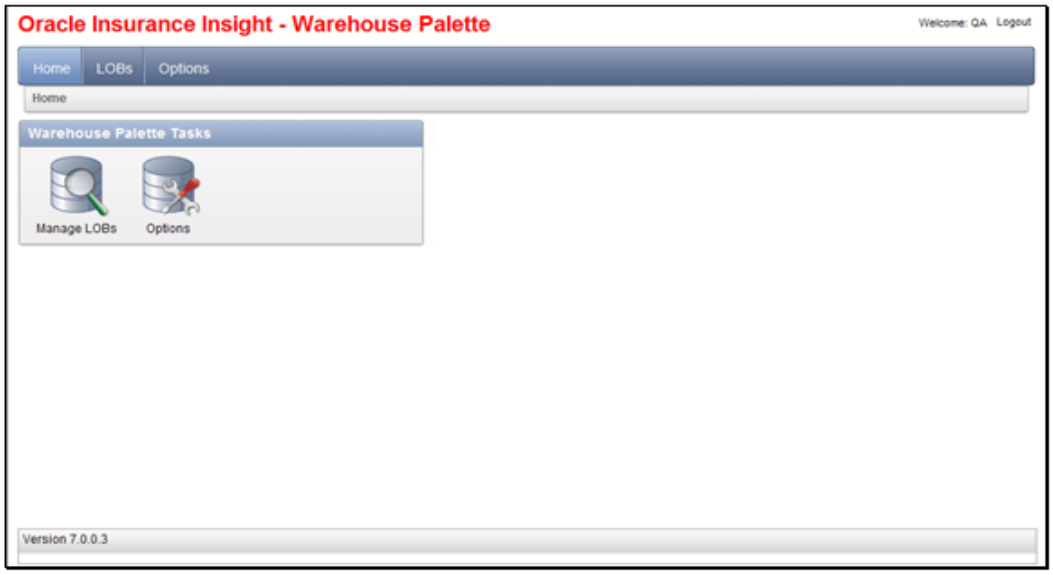


Figure 96: Warehouse Palette Home Page

5. Click on **Options** to open the **Options** page**.**

Figure 97: Options Page

Note The Options screen can only be modified by a user with Administrator privileges. For all other users, this screen is read-only.

---

6. At the Web Service Host field enter the *hostname* and *port* in this format:

   <hostname>:port

   where:

   - **<hostname>** - the name of the system where WebLogic is installed.
   - **port** - is the port number assigned to the WebLogic application server. The default port is 7001.

7. Click **Apply Changes** to save your change.
8. Select **Logout** to exit the Warehouse Palette.

WHAT'S THE NEXT STEP IN THE INSTALLATION?

The next step in the installation process is to perform a series of configuration tasks to provide security credentials for the ODI Wrapper Service. For these tasks, go to:

- *Chapter 9: Setting Up Security Credentials for the ODI Wrapper Service*

Chapter 9

Setting Up Security Credentials for the ODI Wrapper Service

This chapter describes how to setup the security credentials for the ODI Wrapper Service.

There are different instructions for configuring the security credentials in Windows and HP-UX environments. This chapter provides the instructions for users working in a Windows environment. For the instructions for setting up security credentials for the ODI Wrapper Service in an HP-UX environment refer to *Appendix A: HP-UX Instructions*.

Note Throughout this chapter we will be referring to the directory structure created during the OII installation. For the sake of consistency this section will refer to the default OII installation directory as **<OII_Root>**. For example:

C:\Oracle\Insight_Home\Insurance\oii\7.0.0

STEP 1: EDIT THE CSUTIL.PROPERTIES FILE

1. Go to the **<OII_ROOT>\app\csutil\config** directory and locate the **csutil.properties** file.

   For example:

   C:\Oracle\Insight_Home\Insurance\oii\7.0.0\app\csutil\config\csutil.properties

2. Open **csutil.properties** in a text editor. This file contains a single line showing the full path to **the jps-config-jse.xml** file. For example:

   ```
   CredentialStoreConfig=C:\\Oracle\\Middleware\\user_projects\\domains\\<domain_name>\\config\\fmwconfig\\jps-config-jse.xml
   ```

Note The example above shows the default name and location of the Middleware home directory (i.e., **C:\Oracle\Middleware**) and the Domain home directory (i.e., **C:\Oracle\Middleware\user_projects\domains**) as they appear in the **csutil.properties** file. These are the default locations that were created when you installed JDeveloper and WebLogic and created the WebLogic domain back in *Chapter 3: Installing Oracle WebLogic Server and Oracle JDeveloper*.

If you specified different locations for Middleware and Domain home directories, please use those directories instead of the default ones presented in the **csutil.properties**file.

3. Replace **<domain_name>** in this line with the actual name of the domain that you created in *Chapter 3: Installing Oracle WebLogic Server and Oracle JDeveloper* (see *Step 3: Create a WebLogic Domain* on page 24).

   For example:

   ```
   CredentialStoreConfig=C:\\Oracle\\Middleware\\user_projects\\dom
   ains\\oii_domain\\config\\fmwconfig\\jps-config-jse.xml
   ```

Note In windows you must keep the double forward backslashes (\\).

4. Save and close the **csutil properties** file.

STEP 2: ADD SECURITY CREDENTIALS

Once you have updated **csutil.properties** you will need to run the **add.bat** command three times at the command line in order to add the security credentials for each of the following key names:

- ODIUSER
- DBAUSER
- WPUSER

When you run **add.bat** you will be prompted for a key name, user name and password. The required user name and password combinations for each ley name are shown in the table below.

key name	user name	password
ODIUSER	SUPERVISOR	SUNOPSIS
DBAUSER	OII_SYS	The corresponding password you entered for OII_SYS on the Schema Configuration Parameters screen during the OII installation (see *Chapter 7: Installing Oracle Insurance Insight* on page 64).
WPUSER	OII_WP	The corresponding password you entered for OII_WP on the Schema Configuration Parameters screen during the OII installation (see *Chapter 7: Installing Oracle Insurance Insight* on page 64).

Note You may have entered different user names during the OII installation but the user names in the table above are based on the assumption that you accepted the user name defaults on the Schema Configuration Parameters screen during the OII installation.

To add the security credentials:

1. Open a command prompt and go to: **<OII_Root>app\csutil\bin**

   For example:

   C:\Oracle\Insight_Home\Insurance\oii\7.0.0\app\csutil\bin

2. At the command line, type **add** and press **Enter**. You will be prompted for a key name:

```
>Enter key:
```

3. For ODIUSER, type in the key name, user name, and password from the table above while pressing **Enter** after each entry. A message will confirm that the security credential for ODIUSER has been added. For example:

```
>Enter key: ODIUSER
>Enter username: SUPERVISOR
>Enter password:
>Credential added: ODIUSER
```

4. For DBUSER, run the **add** command again and enter the information from the table on the previous page for DBAUSER when prompted. For example:

```
>Enter key: DBAUSER
>Enter username: OII_SYS
>Enter password:
>Credential added: DBAUSER
```

5. For WPUSER, run the **add** command a third time and enter the information from the table on the previous page for WPUSER when prompted. For example:

```
>Enter key: WPUSER
>Enter username: OII_WP
>Enter password:
>Credential added: WPUSER
```

Note The **<OII_Root>app\csutil\bin** directory also contains a *readme.txt* file which lists a series of batch file commands for adding, deleting, updating, and testing security credentials. You can refer to them as needed. For example, if you come across an existing key, you can run the **update** command describe in the *readme* file to update the credential.

WHAT'S THE NEXT STEP IN THE INSTALLATION?

The next step in the installation process is to setup the security credentials for the Warehouse Palette agent. For these tasks, go to:

- *.Chapter 10: Setting Up Security Credentials for the Warehouse Palette Agent*

Chapter 10

Setting Up Security Credentials for the Warehouse Palette Agent

This chapter describes how to edit the properties file that manage the security credentials for the Warehouse Palette agent.

There are different instructions for configuring the security credentials in Windows and HP-UX environments. This chapter provides the instructions for users working in a Windows environment. For the instructions for setting up security credentials for the Warehouse Palette Agent in an HP-UX environment, refer to *Appendix A: HP-UX Instructions*.

Note For instructions on scheduling the Warehouse Palette Agent to run as a Windows Service, refer to *Appendix B: Scheduling the Warehouse Palette Agent as a Windows Service.*

Note Throughout this chapter we will be referring to the directory structure created during the OII installation. For the sake of consistency this section will refer to the default OII installation directory as **<OII_Root>**. For example:

C:\Oracle\Insight_Home\Insurance\oii\7.0.0

STEP 1: EDIT THE AGENT.PROPERTIES FILE

1. Go to the **<OII_ROOT>\app\agent\config** directory and locate the **agent.properties** file.

   For example:

   C:\Oracle\Insight_Home\Insurance\oii\7.0.0\app\agent\config\agent.properties

2. Open **agent.properties** in a text editor. This file contains these lines:

   ```
   CredentialStoreConfig=C:\\Oracle\\Middleware\\user_projects\\domains\\<domain_name>\\config\\fmwconfig\\jps-config-jse.xml
   JdbcUrl=jdbc:oracle:thin:@<host>:<port>:<sid>
   ```

3. In the first line, replace **<domain_name>** with the name of the WebLogic domain you created when you initially installed WebLogic.

Note	The example above shows the default name and location of the Middleware home directory (i.e., **C:\Oracle\Middleware**) and the Domain home directory (i.e., **C:\Oracle\Middleware\user_projects\domains**) as they appear in the **agent.properties** file. These are the default locations that were created when you installed JDeveloper and WebLogic and created the WebLogic domain back in *Chapter 3: Installing Oracle WebLogic Server and Oracle JDeveloper*. If you specified different locations for Middleware and Domain home directories, please use those directories instead of the default ones presented in the **agent.properties** file.

For example:

```
CredentialStoreConfig=C:\\Oracle\\Middleware\\user_projects\\dom
ains\\oii_domain\\config\\fmwconfig\\jps-config-jse.xml
```

Note	On windows you must keep the double-forward backslashes (\\).

4. On the next line, enter the applicable <host>, <port>, and <sid> for the Oracle database.

```
JdbcUrl=jdbc:oracle:thin:@<host>:<port>:<sid>
```

5. Save and close **agent.properties**.

STEP 2: TEST THE WAREHOUSE PALETTE AGENT

1. Open a command prompt and go to: **<OII_ROOT>\app\agent\bin**

   For example: **C:\Oracle\Insight_Home\Insurance\oii\7.0.0\app\agent\bin**

2. At the command prompt type: **agent_status**

   This command will show the status of all LOBs in the Warehouse Palette. If there is a connection problem a message will appear identifying the problem.

STEP 3: START AND STOP THE WAREHOUSE PALETTE AGENT

1. Open a command prompt and go to: **<OII_ROOT>\app\agent\bin**

   For example: **C:\Oracle\Insight_Home\Insurance\oii\7.0.0\app\agent\bin**

2. Start the agent by typing: **agent_start**
3. Open a new window and type the following to stop agent: **agent_stop**

WHAT'S THE NEXT STEP IN THE INSTALLATION?

The next step in the installation process is to perform a series of configuration tasks in ODI. For these tasks, go to:

- *Chapter 11: Performing the ODI Post-Installation Steps*

Chapter 11

Performing the ODI Post-Installation Steps

The OII installer downloaded a Master and Work Repository to your system that must be imported into ODI for use with OII. This section provides the steps to create, configure, and import these repositories.

The basic steps for creating and configuring the repositories are described below:

Table 7: Configuration Road Map

Step	Description
Step 1	Create the Schemas for the Master and Work Repositories
Step 2	Import the Database Dump Files
Step 3	Connect to the Master Repository
Step 4	Update the Connection Information to the Master and Work Repositories

Step 1: Create Master and Work Repository Schemas

1. At the command line, start SQL*Plus and connect to the database as SYS, specifying the SYSDBA role. Use the net service name (e.g. **Insight700**) you created in *Chapter 2: Installing Oracle Database Client* to connect to the Oracle database (see *Step 3: Create a Client Connection* on page 8). For example:

```
> sqlplus sys@Insight700 as sysdba
```

Information similar to the following output is displayed on the screen:

```
> SQL*Plus: Release 11.2.0.1.0 Production on Fri Jan 14 15:29:19 2011
> Copyright (c) 1982, 2010, Oracle.  All rights reserved.
> Enter password:
```

2. Enter the appropriate password to connect to the database. The **SQL>** prompt will appear on the command line:

```
SQL>
```

3. At the command line, run the following SQL commands to create a schema for the Master Repository and grant connect privileges for the newly created user:

```
SQL>create user <MY_SCHEMA> identified by <MY_PASS>
    default tablespace <MY_TBS> temporary tablespace <MY_TEMP>;

SQL>grant connect, resource, unlimited tablespace to <MY_SCHEMA>;
```

Where:

- **<MY_SCHEMA>** - is the name of the schema for the Master Repository.
- **<MY_PASS**> - is the corresponding password for the user.
- **<MY_TBS**> - is the name of the Oracle tablespace where the data is stored.
- **<MY_TEMP>** - is the temporary default tablespace.

For example:

```
SQL>create user ODI_MASTER identified by oracle1
    default tablespace USERS temporary tablespace TEMP;

SQL>grant connect, resource, unlimited tablespace to ODI_MASTER;
```

4. Create a schema for the Work Repository using the syntax from the commands in step 3.

For example:

```
SQL>create user ODI_WORK identified by oracle1
    default tablespace USERS temporary tablespace TEMP;

SQL>grant connect, resource, unlimited tablespace to ODI_WORK;
```

STEP 2: IMPORT THE DATABASE DUMP FILES

During the OII installation, the OII installer copies two database dumps to your system. These contain the OII Master and Work repositories and must be manually imported into the Master and Work schemas that you created in the previous section These database dumps are located under: **<OII_Root>\install\odi**

Where:

- **<OII_Root> -** is the default location of the OII installation directory (i.e., **C:\Oracle\Insight_Home\Insurance\oii\7.0.0\install**).
- **\install\odi** - is the location of the directory containing the ODI dump files for the Master and Work repositories. This directory contains two subdirectories: **master_repo** and **work_repo**.

The names of these files are

- **OII_ODI_MS.dmp** - the Master dump file.
- **OII_ODI_WK.dmp** - the Work dump file.

Step A:Import the Master Database Dump File

1. At the command prompt, navigate to:

   <OII_Root>\install\odi\master_repo

   For example:

   C:\Oracle\Insight_Home\Insurance\oii\7.0.0\install\odi\master_repo

2. Use the **imp** command to import the Master Repository:

```
imp ODI_MASTER/<password>@<Net Service Name> FROMUSER=OII_ODI_MS
TOUSER=ODI_MASTER FILE=OII_ODI_MS.dmp
```

Note Use the Net Service Name in the **imp** command to connect to the database if ODI is not running on the database server. The example below uses the sample Net Service Name (**Insight700**) that was defined in *Chapter 2: Installing Oracle Database Client*. (*Step 3: Create a Client Connection* on page 8).

For example:

```
imp ODI_MASTER/oracle1@Insight700 FROMUSER=OII_ODI_MS
TOUSER=ODI_MASTER FILE=OII_ODI_MS.dmp
```

Step B:Import the Work Database Dump File

1. At the command prompt, navigate to:

   <OII_Root>\install\odi\work_repo

   For example:

   C:\Oracle\Insight_Home\Insurance\oii\7.0.0\install\odi\work_repo

2. Type the following command to import the Work Repository:

Note Include the Net Service Name in the **imp** command for the Work Repository just as you did for the Master Repository.

```
imp ODI_WORK/<password>@<Net Service Name> FROMUSER=OII_ODI_WK
TOUSER=ODI_WORK FILE=OII_ODI_WK.dmp
```

For example:

```
imp ODI_WORK/oracle1@Insight700 FROMUSER=OII_ODI_WK
TOUSER=ODI_WORK FILE=OII_ODI_WK.dmp
```

STEP 3: CONNECT TO THE MASTER REPOSITORY

In this step you must use ODI Studio to connect to the Master and Work Repositories that you imported in the previous section.

1. Open ODI Studio:

   Start>All Programs>Oracle>Oracle Data Integrator>ODI Studio

2. When run for the first time, ODI Studio prompts you for the location of Java JDK. Enter the path of the Java JDK under the Middleware Home directory as shown below:

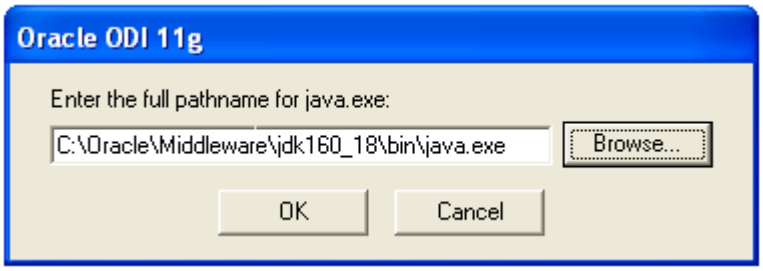


Figure 98: Enter the Path of the Java JDK

3. ODI Studio will open:

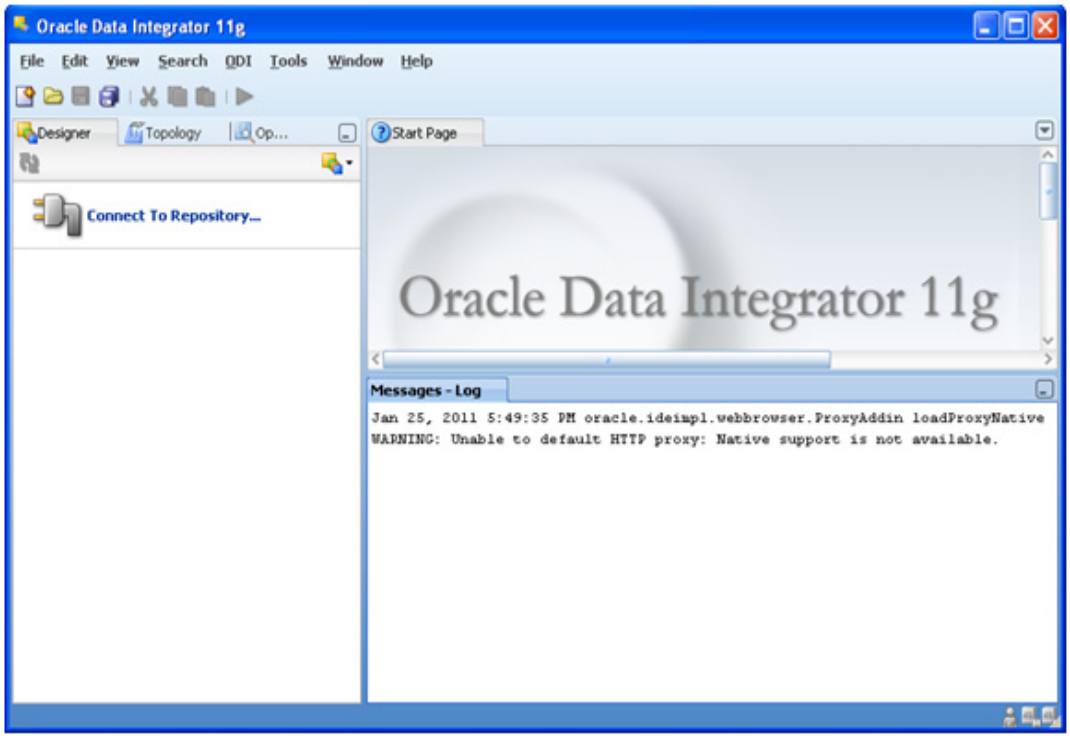


Figure 99: ODI Studio

4. Select **File > New** to open the New Gallery screen.

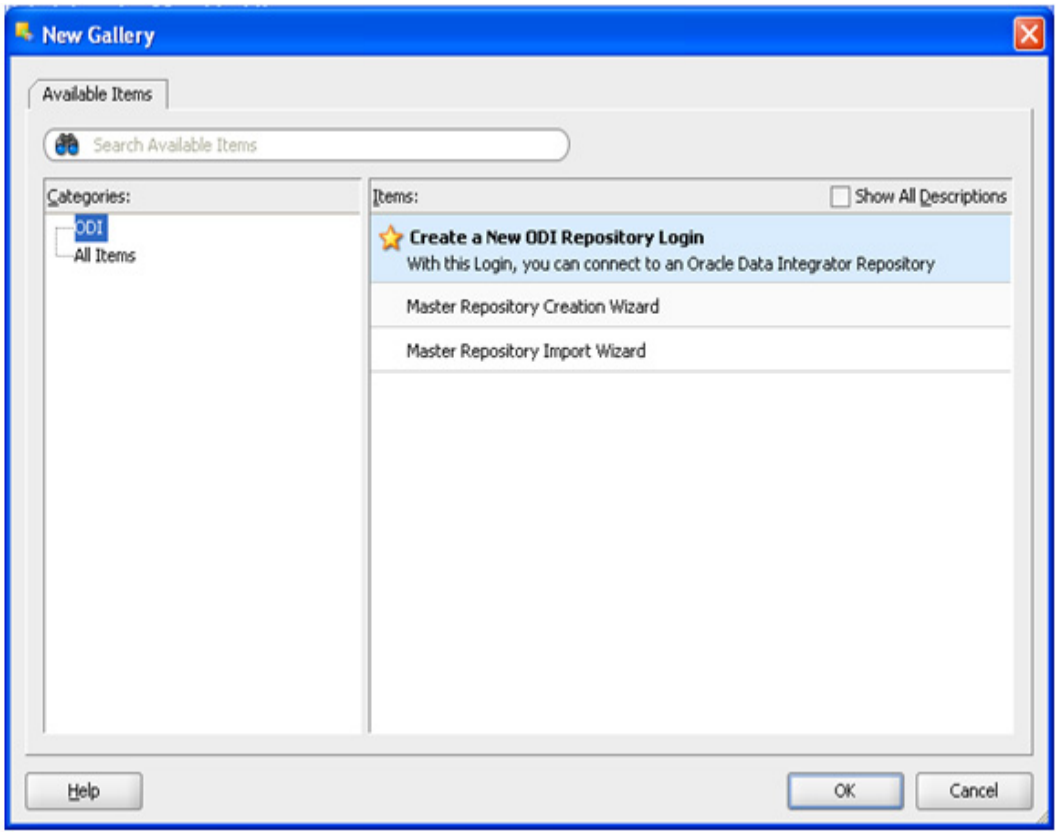


Figure 100: New Gallery Screen

5. In the **Categories** tree on the left, select **ODI** and then select **Create a New ODI Repository Login** from the **Items** list.

6. Click **OK**. The **Repository Connection Information** screen appears.

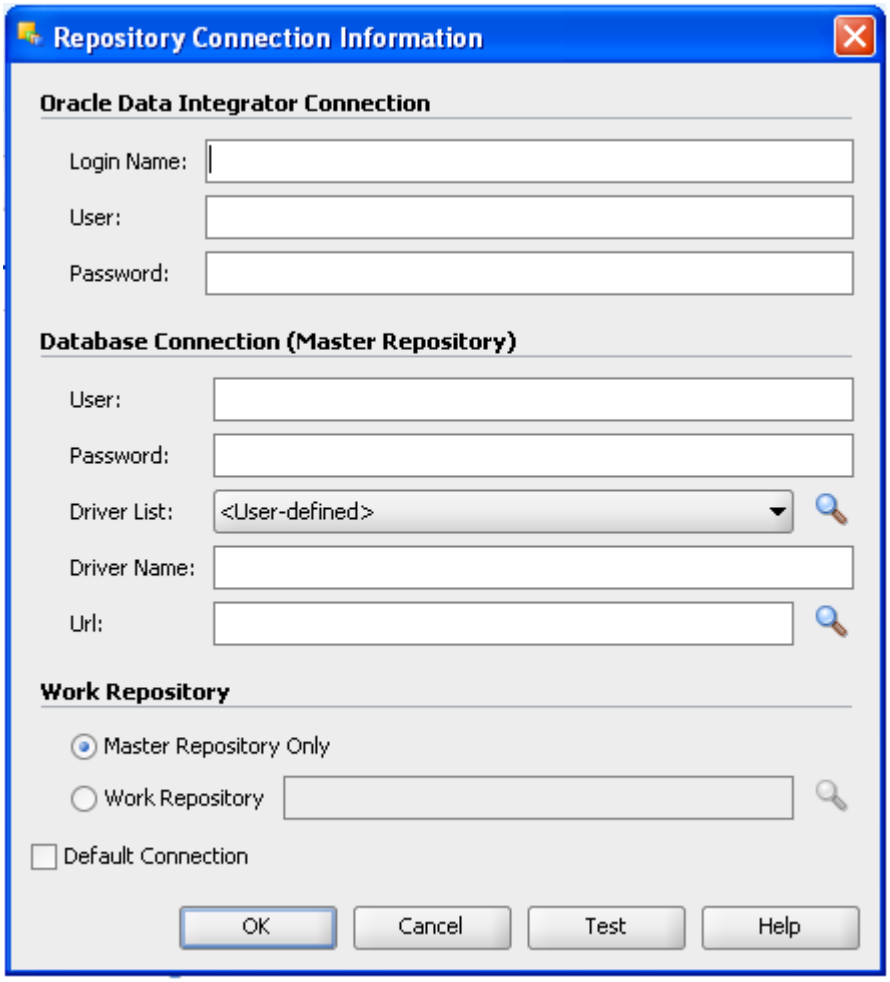


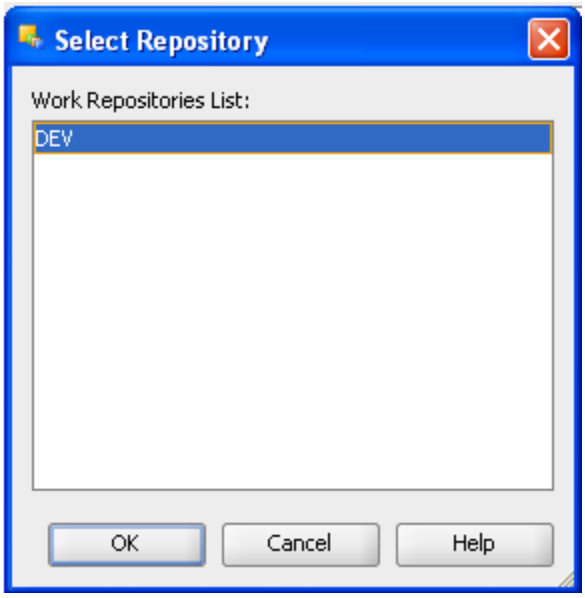
Figure 101: Repository Connection Information Screen

7. Specify the **Oracle Data Integrator Connection** details:

   - **Login name**: A name used to connect to the Master Repository and then to create the Work Repository. It can be any name that you choose (this examples uses ODI_MASTER as the login name).
   - **User**: SUPERVISOR
   - **Password**: SUNOPSIS

Note	Use upper case for the User and Password just as they appear above.

8. Specify the **Database Connection (Master Repository)** details:
   - **User**: The same user name (e.g. ODI_MASTER) that you specified when you created the schema for the Master Repository in *Step 1: Create Master and Work Repository Schemas* on page 93.
   - **Password**: The same password (e.g. oracle1) that you specified when you created the schema for the Master Repository in *Step 1: Create Master and Work Repository Schemas* on page 93.
   - **Driver List**: Select "Oracle JDBC Driver".
   - **Driver Name**: This field will be automatically filled out based upon the Driver List. In this case the driver name is "oracle.jdbc.OracleDriver".
   - **URL**: The URL used to establish the JDBC connection to the database hosting the repository: (i.e. jdbc:oracle:thin:@<host>:<port>:<sid>).
9. Under **Work Repository** select the **Work Repositor**y radio button.
10. Click on the **Search** button on the right. The Select Repository window will appear.



11. Select "DEV". This is the name of the Work Repository from the database dump file that you imported into ODI in *Step 2: Import the Database Dump Files* on page 95.

12. Click **OK**. “DEV” will appear in the Work Repository field back on the **Repository Connection Information** window.

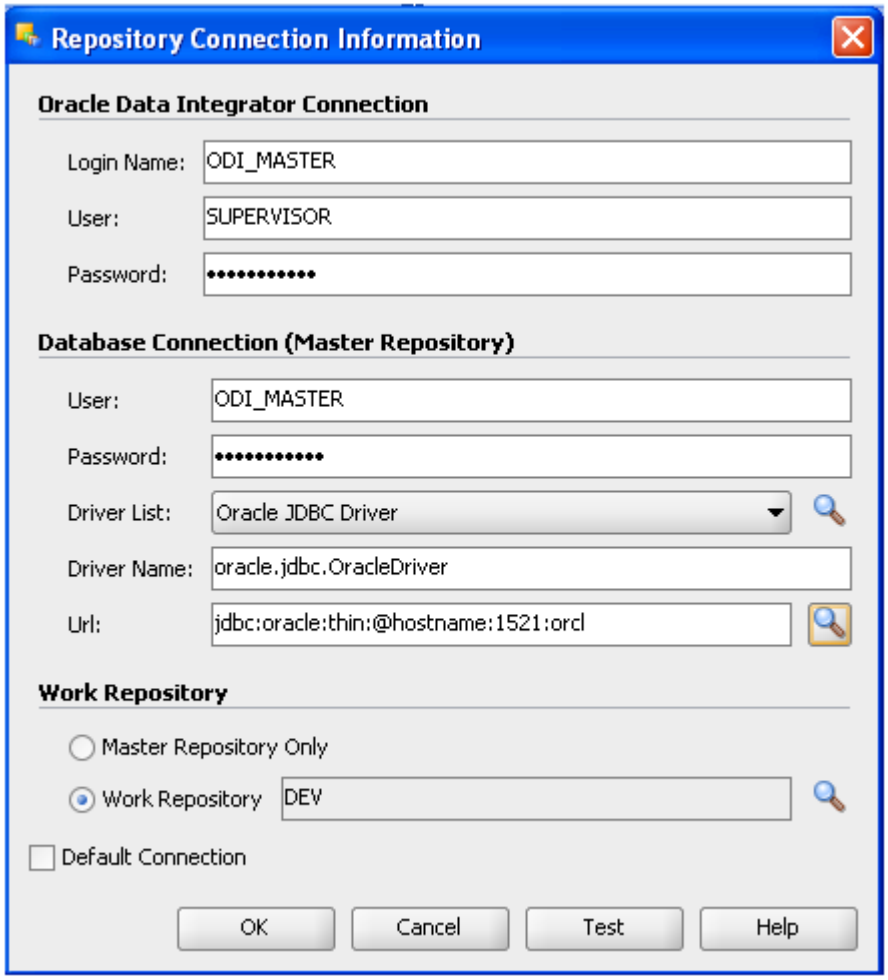


Figure 102: Connection Information for the Master Repository

13. Click **Test** to validate your entries. A message box will appear and report:

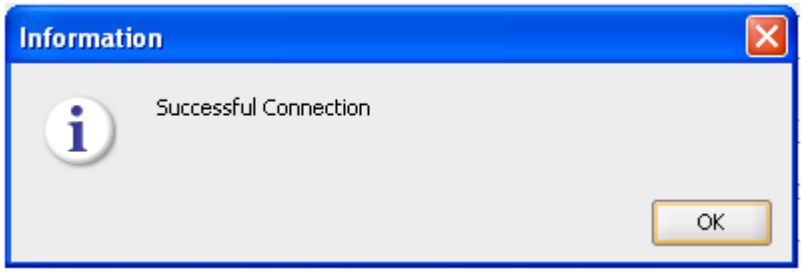


Figure 103: Connection to the Master Repository was Successful

14. Click **OK** to close this message box.
15. On the **Repository Connection Information** window, click **OK** to close the window.

16. Select **ODI>Connect**. The Oracle Data Integrator Login window will open.

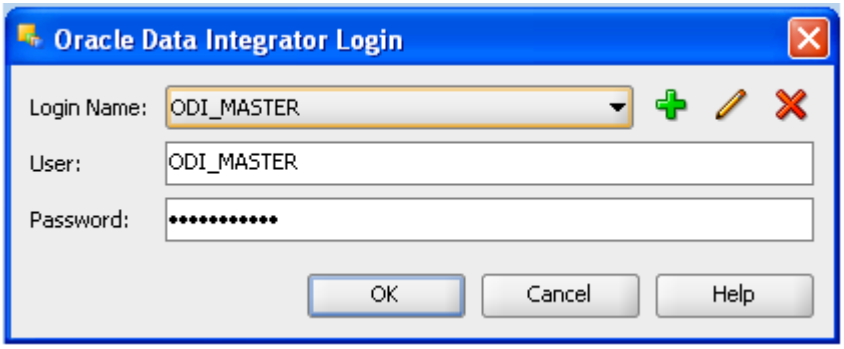


Figure 104: Oracle Data Integrator Login Window

17. Select the Login Name to the Master Repository that you created in the previous step (e.g. ODI_MASTER) from the drop-down list and click **OK**. A series of messages will appear on the screen as you are connected to the Master Repository.

18. Once connected, open the Topology Navigator by selecting **View>ODI Topology Navigator**.

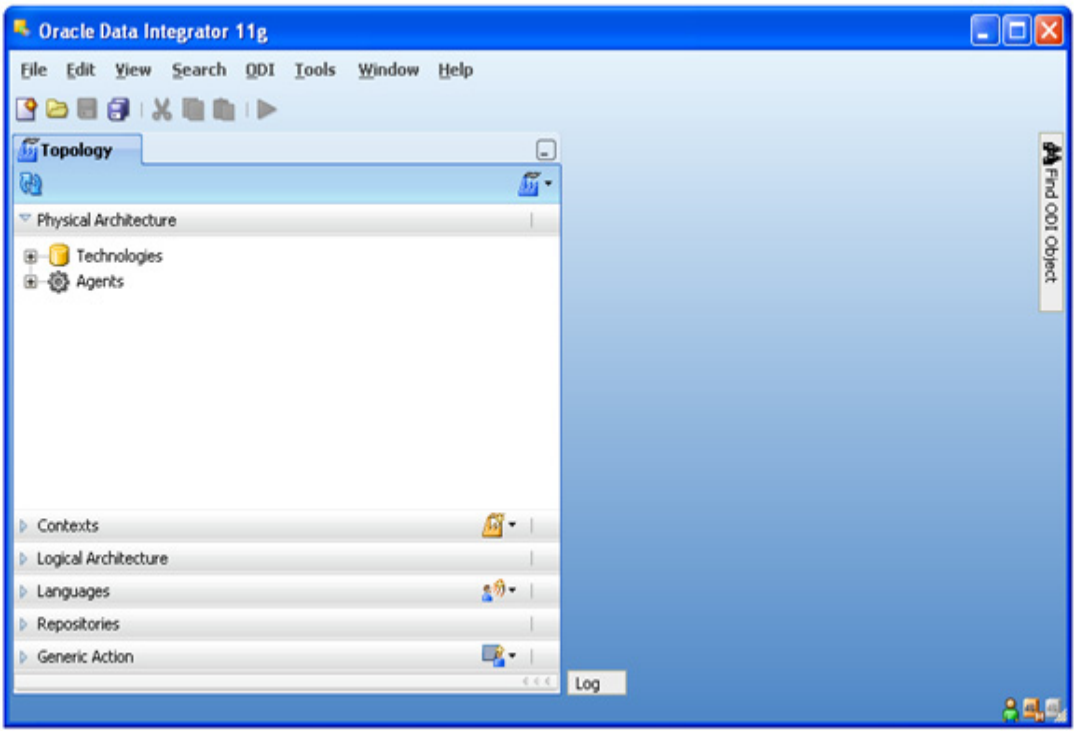


Figure 105: ODI Topology Navigator

19. Click on the **Repositories** panel to display the Master and Work Repository.

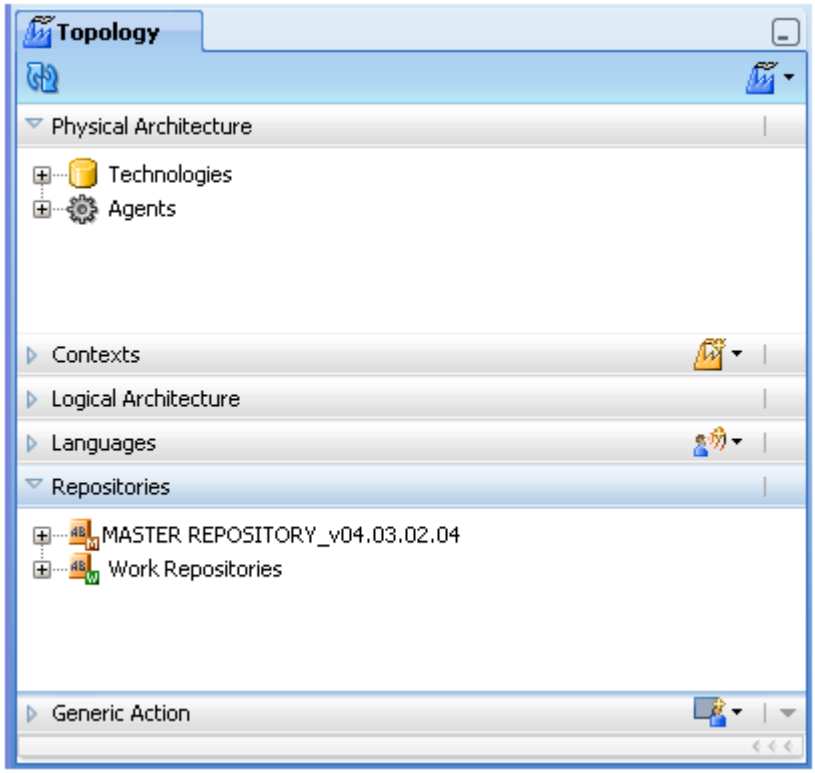


Figure 106: Master and Work Repository

20. Click on the **Work Repositories** node to confirm that the "DEV" Work Repository is present.

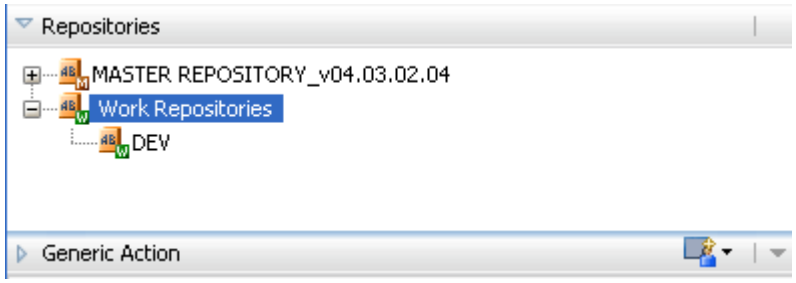


Figure 107: "DEV" Work Repository

STEP 4: UPDATE THE CONNECTION INFORMATION TO THE REPOSITORIES

After you import the ODI master and work repository, you will need to update the connection information stored there to point to you own environment.

1. In the Topology Navigator (**View>ODI Topology Navigator)** click on the **Physical Architecture** panel.

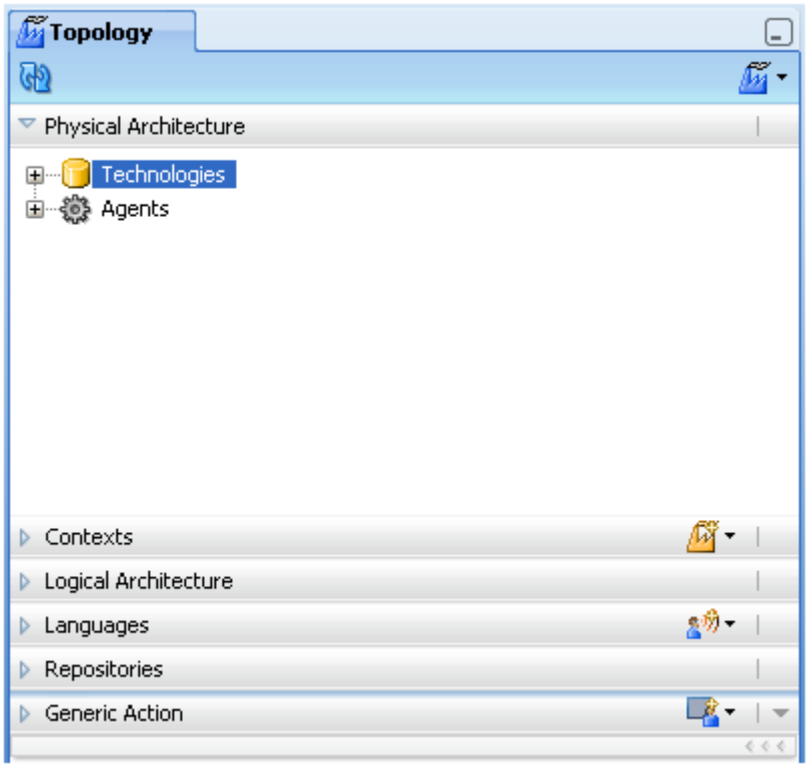


Figure 108: Physical Architecture Panel

2. Expand the **Technologies** node and scroll down to the **Oracle** node.

3. Expand the **Oracle** node to display the **ORACLE_OII** node.

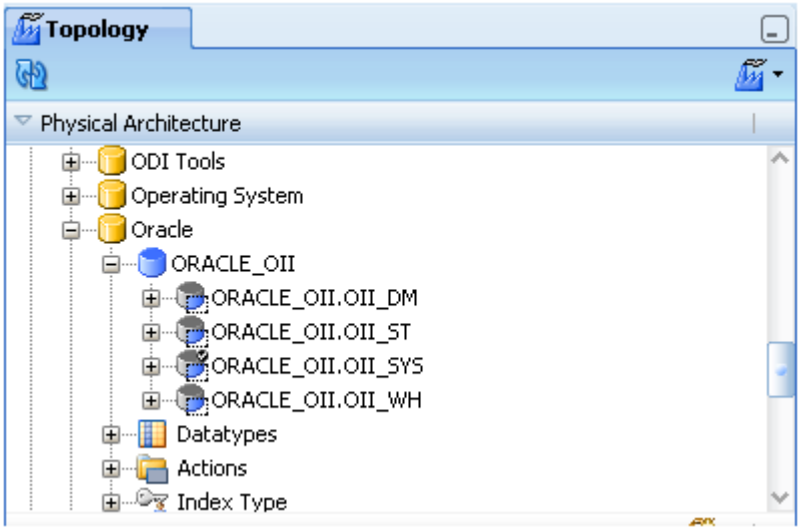


Figure 109: ORACLE_OII

4. Double-click on **ORACLE_OII.** The **Data Server** dialog box for **ORACLE_OII** will appear on the right.

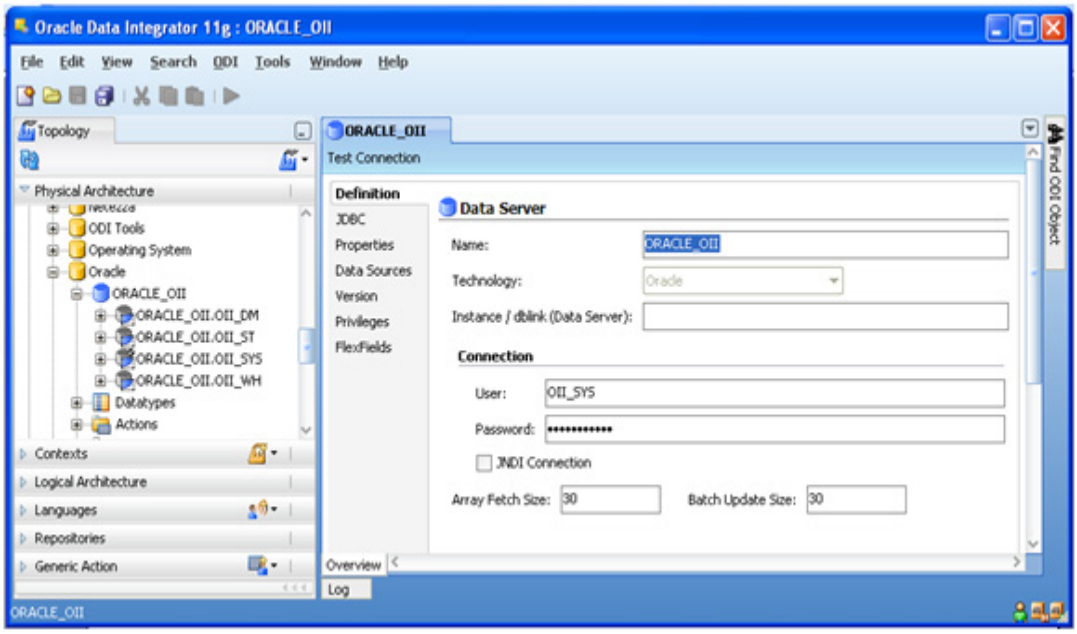


Figure 110: Data Server for ORACLE_OII

5. Update the user name and password with your **OII_SYS** user name and password. This is the same user name and password that you entered on the **Schema Configuration Parameters** screen (see *Chapter 7: Installing Oracle Insurance Insight* on page 64) during the OII installation.

6. Click on the **JDBC** item to open the JDBC screen.

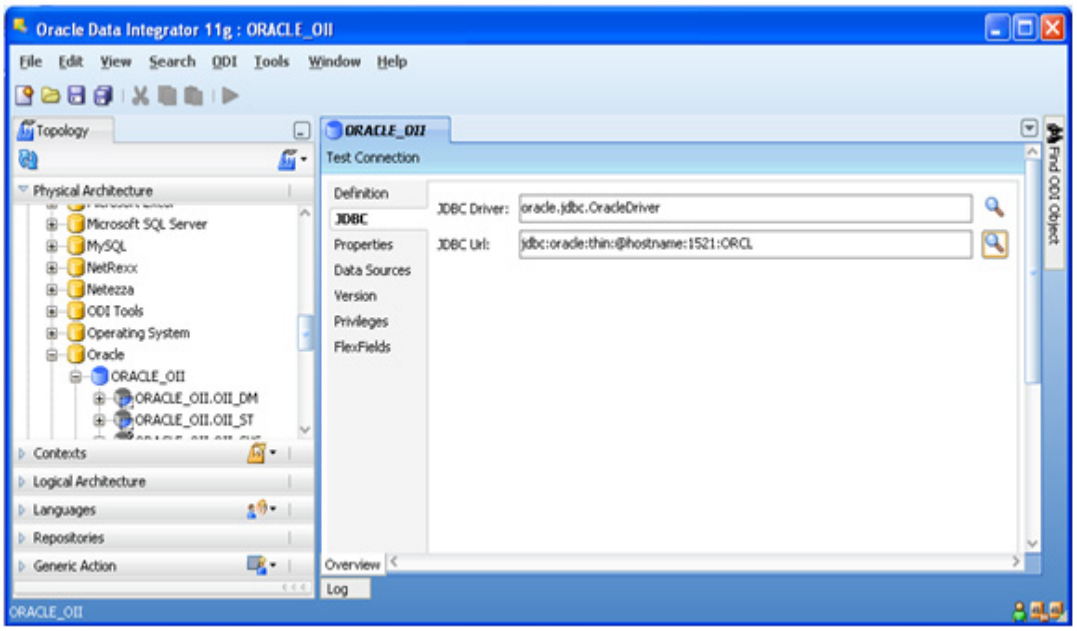


Figure 111: JDBC Screen for ORACLE_OII

7. Update the information on the **JDBC** screen.
8. Click on the **Test Connection** button at the top of the **JDBC** screen to test the updated connection information. The following dialog box opens:

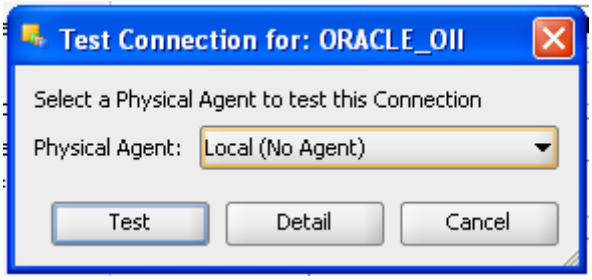


Figure 112: Test Connection Dialog Box

9. Click the **Test** button. The following dialog box should appear to indicate that the connection was successful. If you receive an error message, return to the Data Server and JDBC screen and confirm that the connection information you entered was correct.

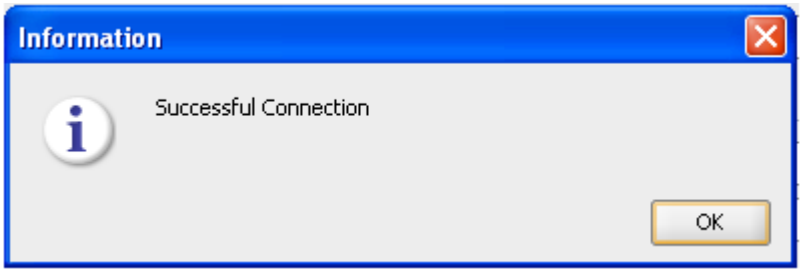


Figure 113: Connection to the Master Repository was Successful

10. Expand the **ORACLE_OII** node. You will see all physical schemas attached to this data server. There are four listed there: **OII_DM, OII_WH**, **OII_ST** and **OII_SYS**.

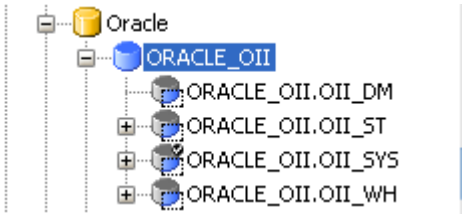


Figure 114: Schemas for Oracle_OII

11. Separately double-click on each schema to open the **Physical Schema** screen.

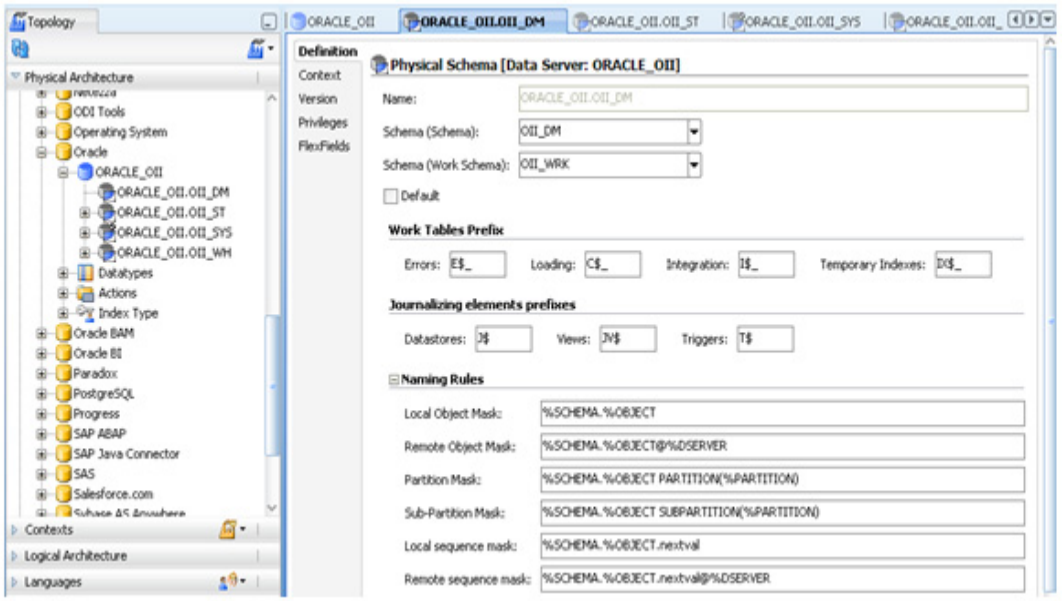


Figure 115: Physical Schema for OII_DM

12. Confirm that each schema has the Work Schema set to **OII_WRK**.

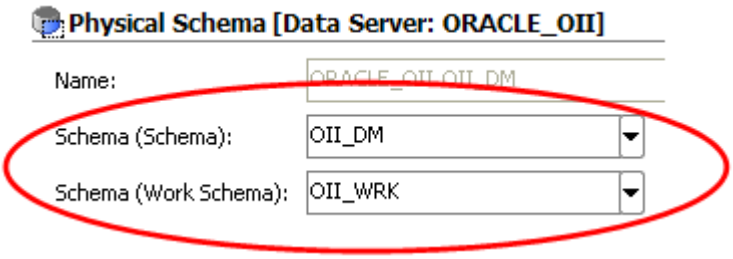


Figure 116: Work Schemas Must be Set to OII_WRK

13. Once you have reviewed the information for all of the schemas, select **Save** from the **File** menu or tool bar to save any changes.

WHAT'S THE NEXT STEP IN THE INSTALLATION?

The next step in the installation process is to perform a series of configuration tasks for OBIEE. For these steps, go to:

- *Chapter 12: Performing OBIEE Post-Installation Steps*

Chapter 12

Performing OBIEE Post-Installation Steps

For the sake of consistency the following naming conventions will be used throughout this section:

- **<OBIEE_Root>** - This is the default OBIEE root folder (i.e. **C:\OracleBI).**
- **<OBIEE_Data>** - This is the default OBIEE Data folder (i.e. **C:\OracleBIData)**.
- **<OII_Root>** - This is the OII root folder

  (i.e. **C:\Oracle\Insight_Home\Insurance\oii\7.0.0**).

Table 8: Configuration Road Map

Step	Description
Step 1	Configure the OBIEE Repository and Web Catalog
Step 2	Setup Two Oracle ODBC Data Source Connections
Step 3	Update the OBIEE Repository
Step 4	Update the analytics.war File
Step 5	Deploy analytics.war on WebLogic
Step 6	Access OBIEE

STEP 1: CONFIGURE THE OBIEE REPOSITORY AND WEB CATALOG

Step A: Copy the OII Repository File into OBIEE

1. Locate the OII repository file, **Insight_700.rpd,** under:

   <OII_Root>\install\obiee\repo

   For example:

   C:\Oracle\Insight_Home\Insurance\oii\7.0.0\install\obiee\repo

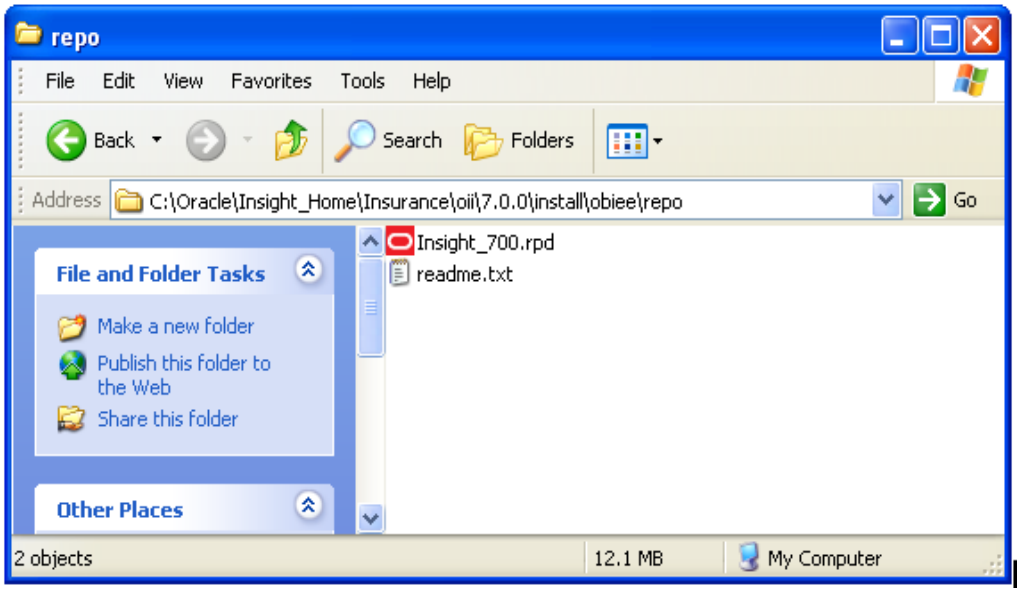


Figure 117: <OII_Root>\install\obiee\repo

2. Copy **Insight_700.rpd,** to the following directory:

   <OBIEE_Root>\server\Repository

   For example:

   C:\OracleBI\server\Repository

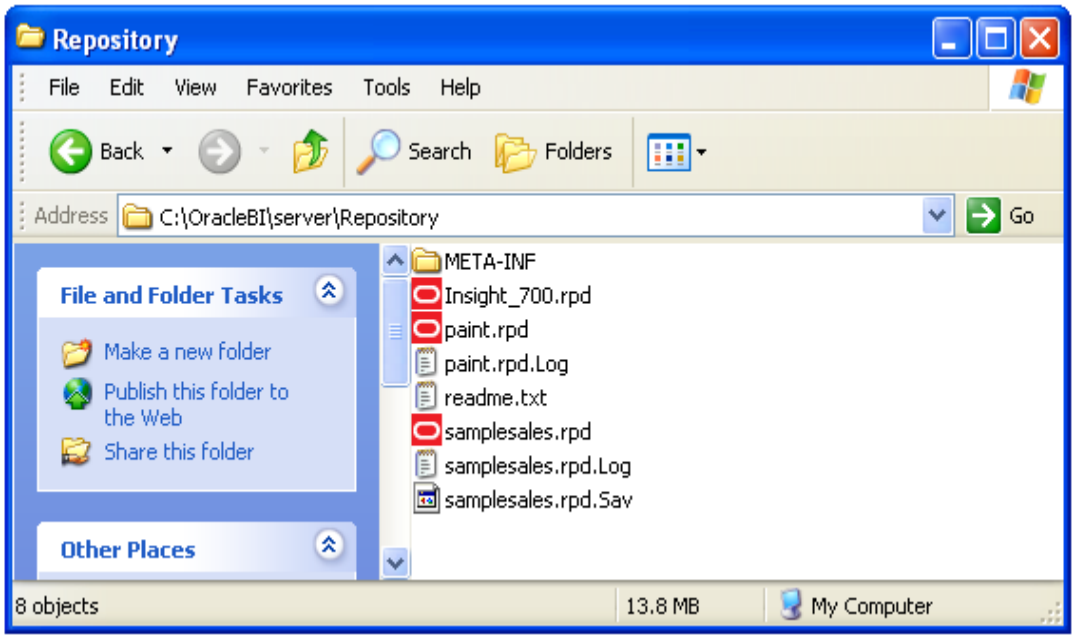


Figure 118: <OBIEE_Root>\server\Repository Directory

Step B: Edit the NQSConfig.INI File

1. Locate the **NQSConfig.INI** file under:

   <OBIEE_Root>\server\Config

   For example:

   C:\OracleBI\server\Config

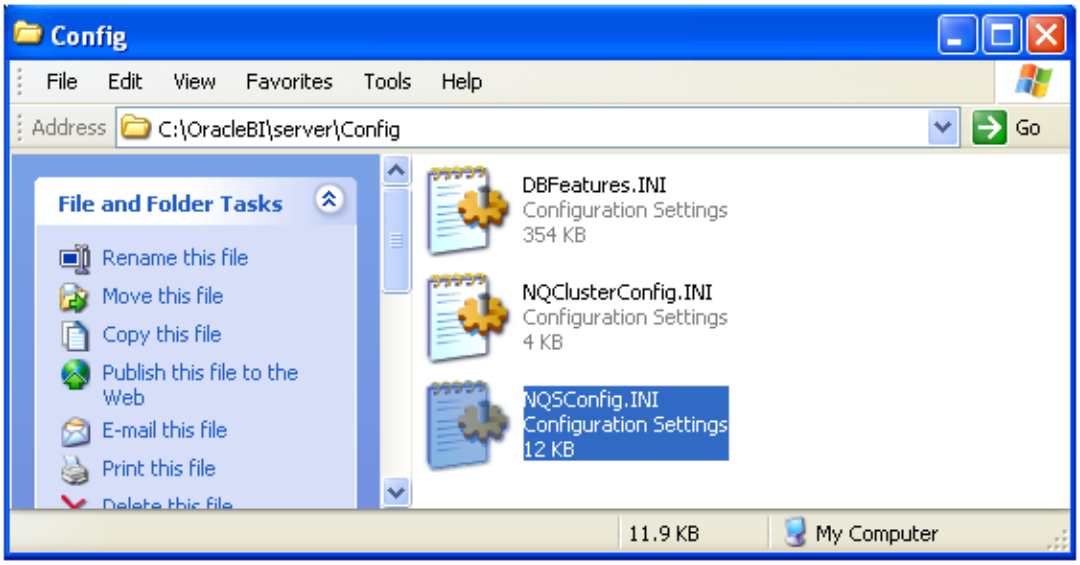


Figure 119: <OBIEE_Root>\server\Config\NQSConfig.INI

2. Open **NQSConfig.INI** in a text editor.
3. Scroll down to the "Repository Section" and locate a line similar to this one (the actual .RPD file name in this line will be vary from computer to computer):

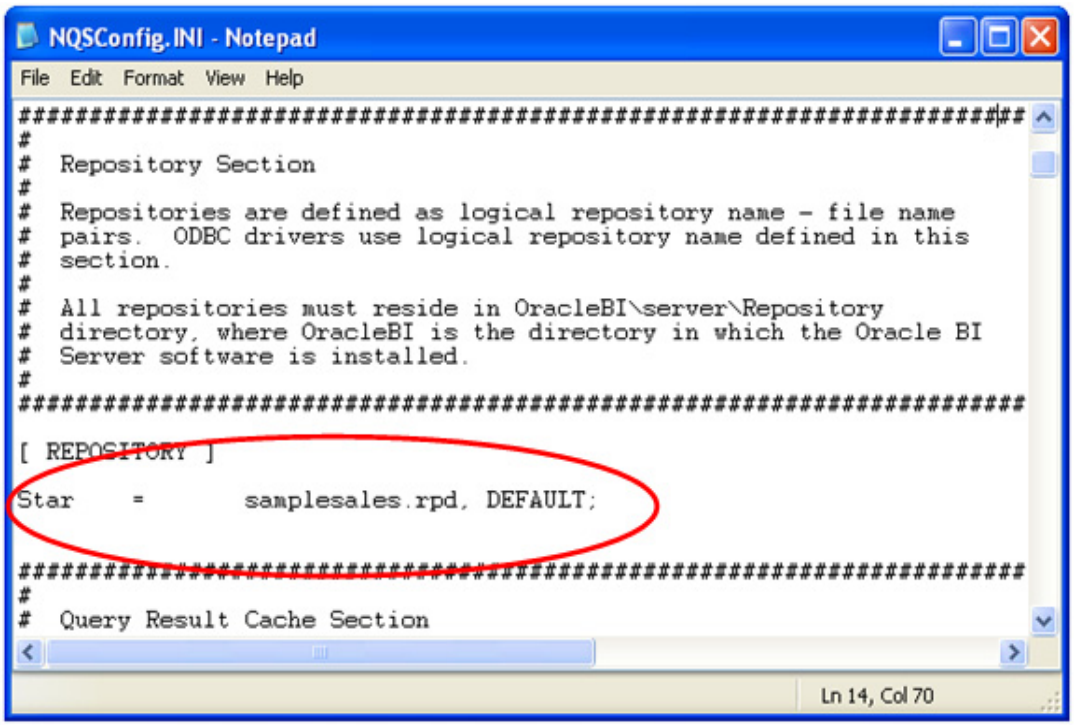


Figure 120: Repository Parameter in NQSConfig.INI File

4. Replace this line with the following line:

```
Star = Insight_700.rpd, DEFAULT;
```

5. Scroll down to the "Query Result Cache Section" and make sure that the following parameter is set to:

```
ENABLE=YES;
```

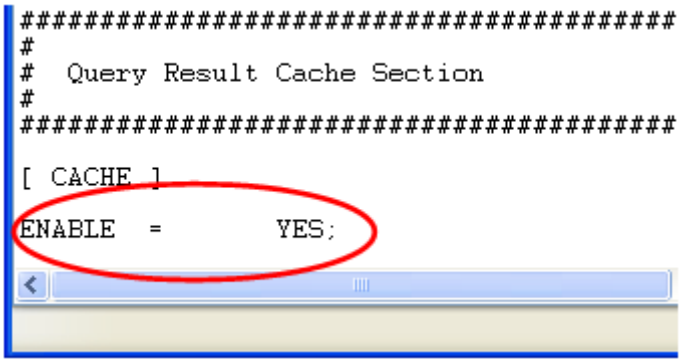


Figure 121: Set Cache to "YES"

6. Save and close the **NQSConfig.INI** file.

Step C: Copy the Insight_7 Folder

1. Locate the **Insight_7** directory:

   <OII_Root>\install\obiee\catalog\Insight_7

   For Example:

   C:\Oracle\Insight_Home\Insurance\oii\7.00\install\obiee\catalog\Insight_7

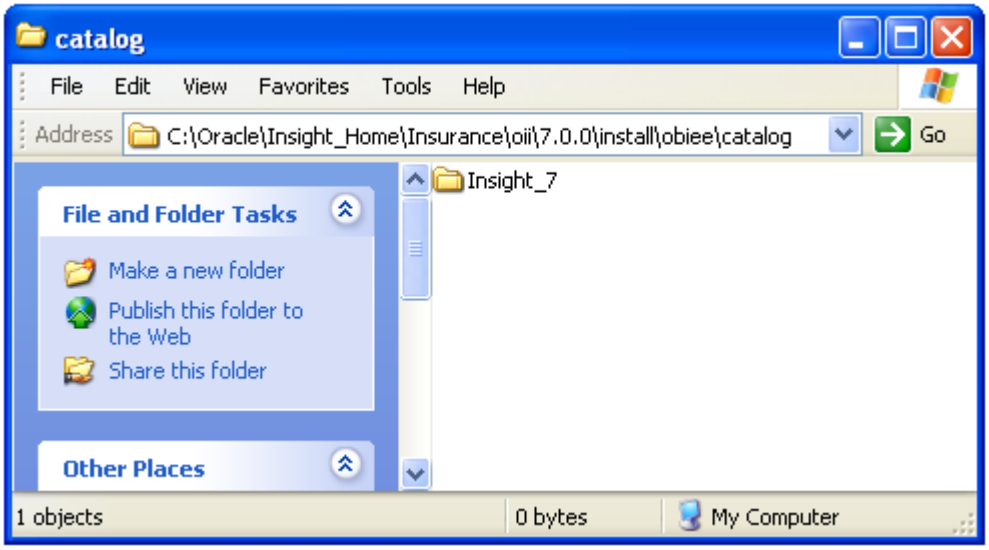


Figure 122: <OII_Root>\install\obiee\catalog\Insight_7

2. Copy the **Insight_7** folder to the following directory:

   <OBIEE_Data>\web\catalog

   For example:

   C:\OracleBIData\web\catalog

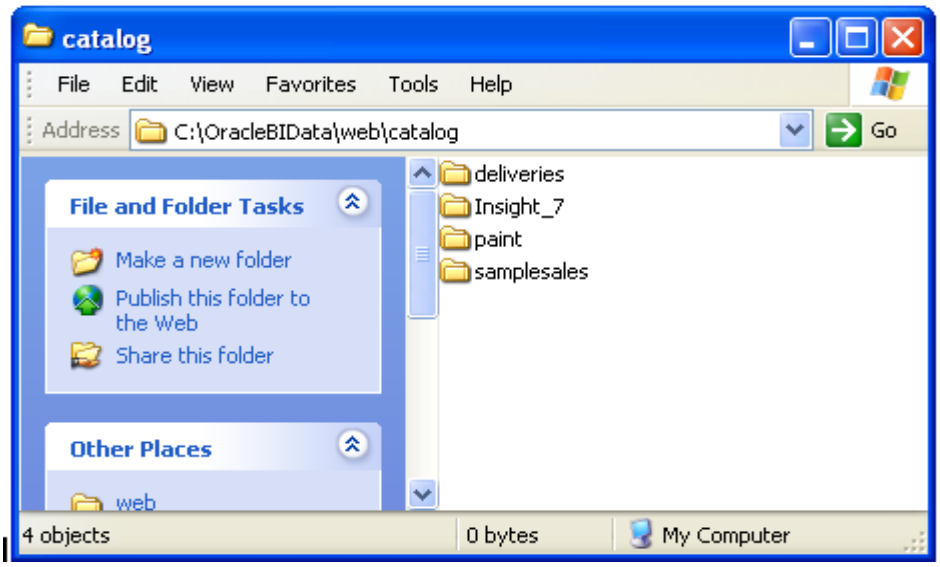


Figure 123: <OBIEE_Data>\web\catalog

Step D: Edit the instanceconfig.xml File

1. Locate and the **instanceconfig.xml** file under this directory:

   <OBIEE_Data>\web\config

   For example:

   C:\OracleBIData\web\config

2. Open the **instanceconfig.xml** file in a text editor.

3. Look through the file for the line beginning with the **<CatalogPath>** tag. It should be near the top of the file:

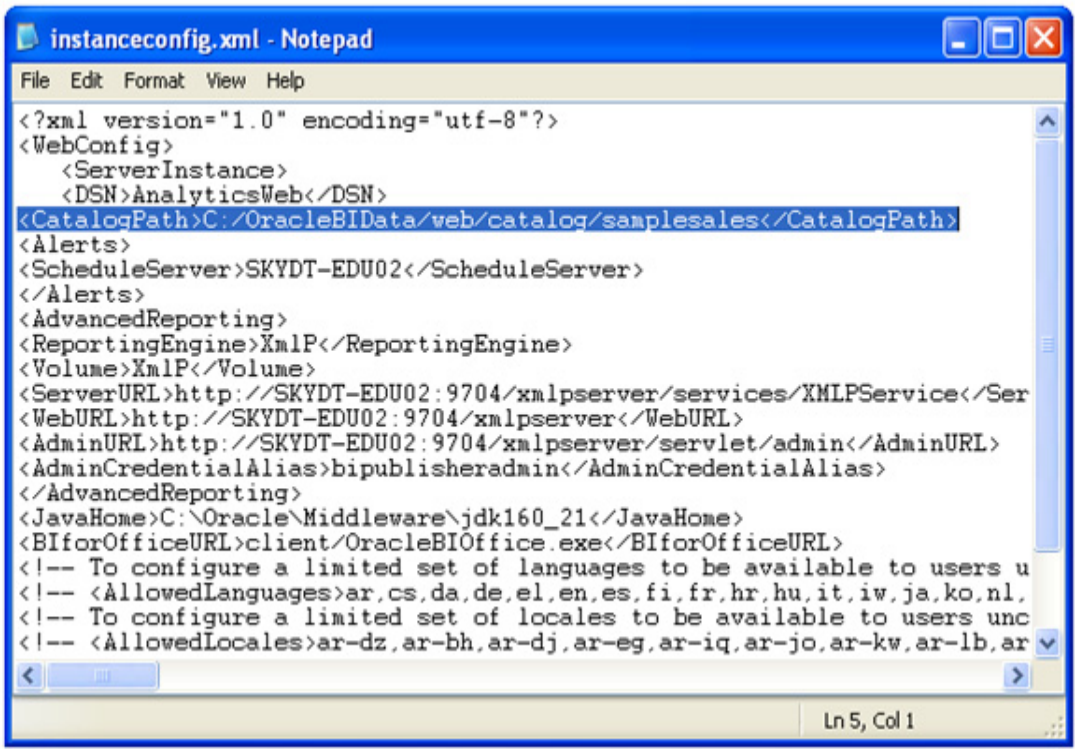


Figure 124: The instanceconfig.xml File

4. Between the **<CatalogPath>** and **</CatalogPath>** tags, enter the full path to:

   <OBIEE_Data>\web\catalog\Insight_7

   For example:

   `<CatalogPath>`**`C:\OracleBIData\web\catalog\Insight_7`**`</CatalogPath>`

5. Insert the following text at the end of the **instanceconfig.xml** file just before the **</ServerInstance>** tag:

```
<DashboardMaxBeforeMenu>2</DashboardMaxBeforeMenu>
<Dashboard>
    <EnableBookmarkURL>True</EnableBookmarkURL>
    <EnablePromptedURL>True</EnablePromptedURL>
    <BookmarkExpirationDays>30</BookmarkExpirationDays>
</Dashboard>
<SubjectAreaMetadata>
   <DictionaryURLPrefix>/analytics/dictionary/</DictionaryURLPrefix>
</SubjectAreaMetadata>
```

For example:

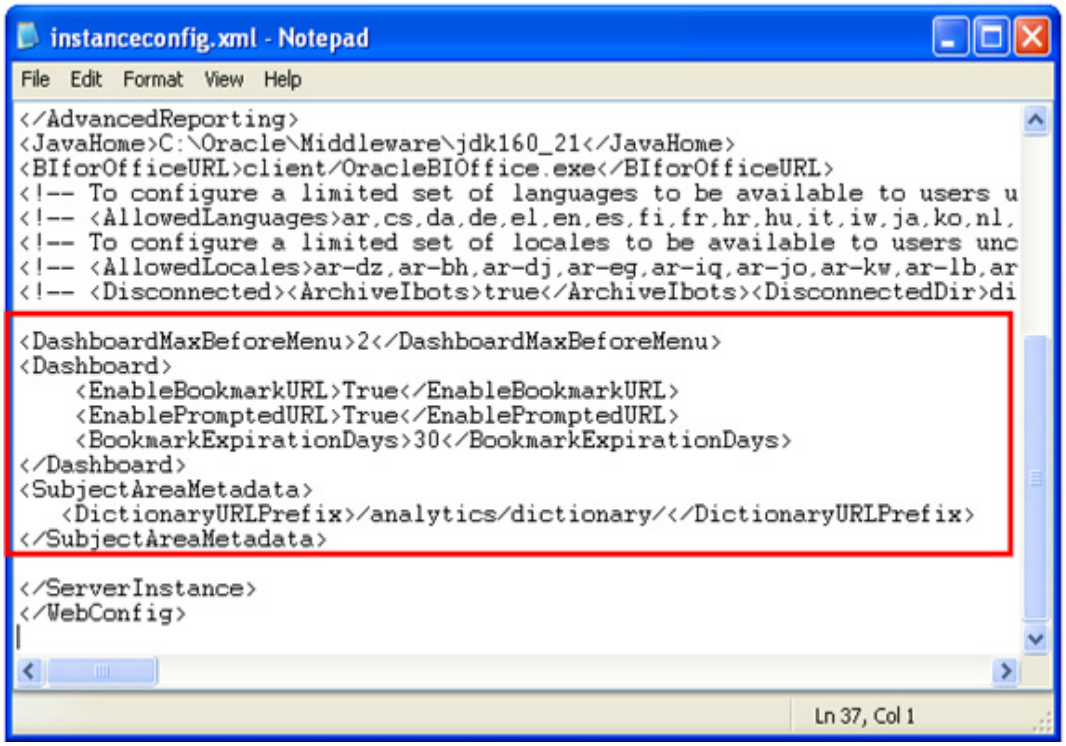


Figure 125: instanceconfig.xml File with New Content

6. Save and close the **instanceconfig.xml** file.

Step E: Stop and Restart the BI Server

Stop and restart the Oracle BI Server and the Oracle BI Presentation Server to apply the changes in the previous steps:

1. From the **Start** menu select **Control Panel>Administrative Tools>Services** to open the Services window.
2. Locate the Oracle BI Server and the Oracle BI Presentation Server in the list of services.

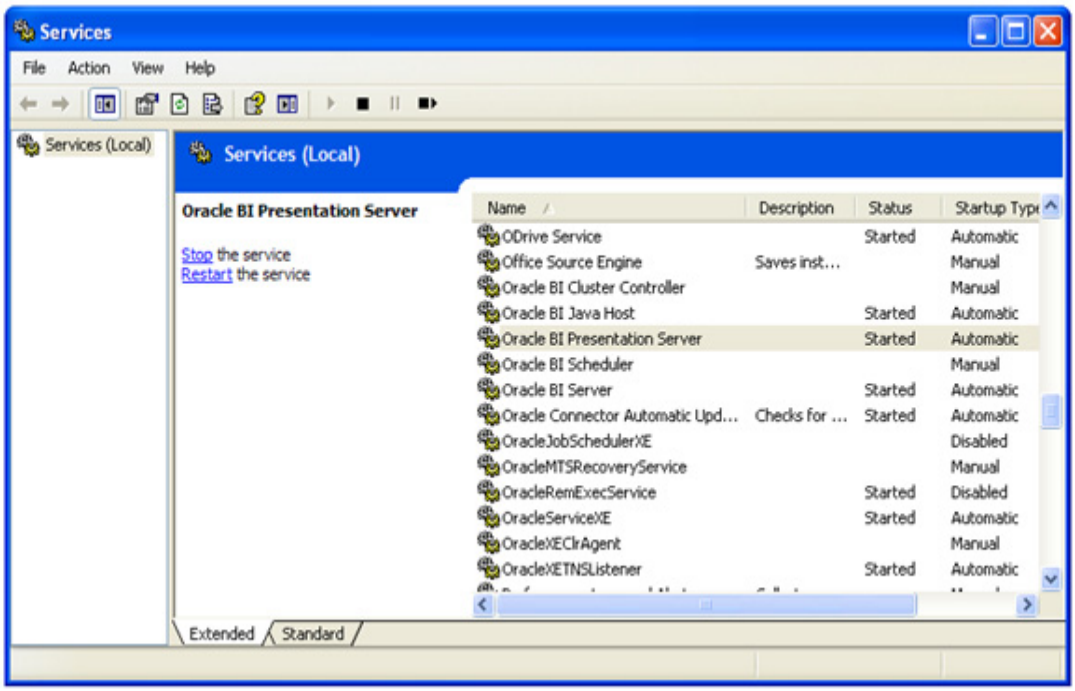


Figure 126: Locate Oracle BI Presentation Server and Oracle BI Server

3. Separately highlight the name of the server in the list and click the **Stop** link.
4. Separately highlight the name of the server in the list and click the **Restart** link.

STEP 2: CREATE THE ORACLE ODBC DATA SOURCE CONNECTIONS

In this step you must create two separate Oracle ODBC data source connections named **Insight700** and **Insight700Config**.

Step A: Create the Insight700 Data Source

1. Select **All Programs>Oracle – OraClient11g_home>Configuration and Migration Tools>Microsoft ODBC Administrator**. The **ODBC Data Source Administrator** window will display.

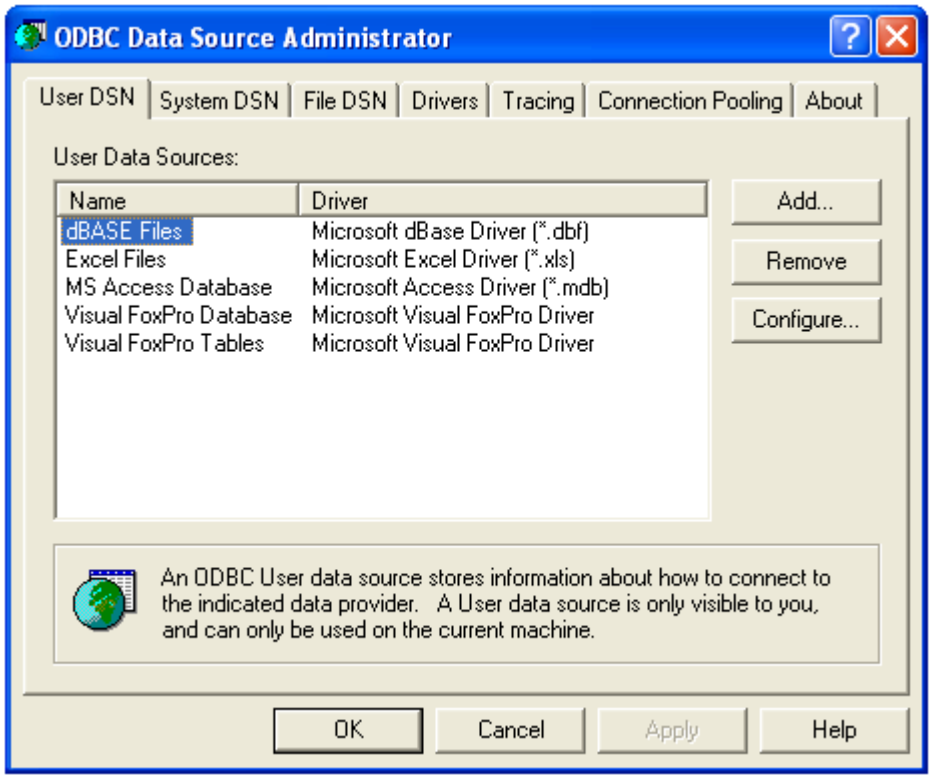


Figure 127: ODBC Data Source Administrator Screen

2. Click on the “System DSN” tab. The following screen opens:

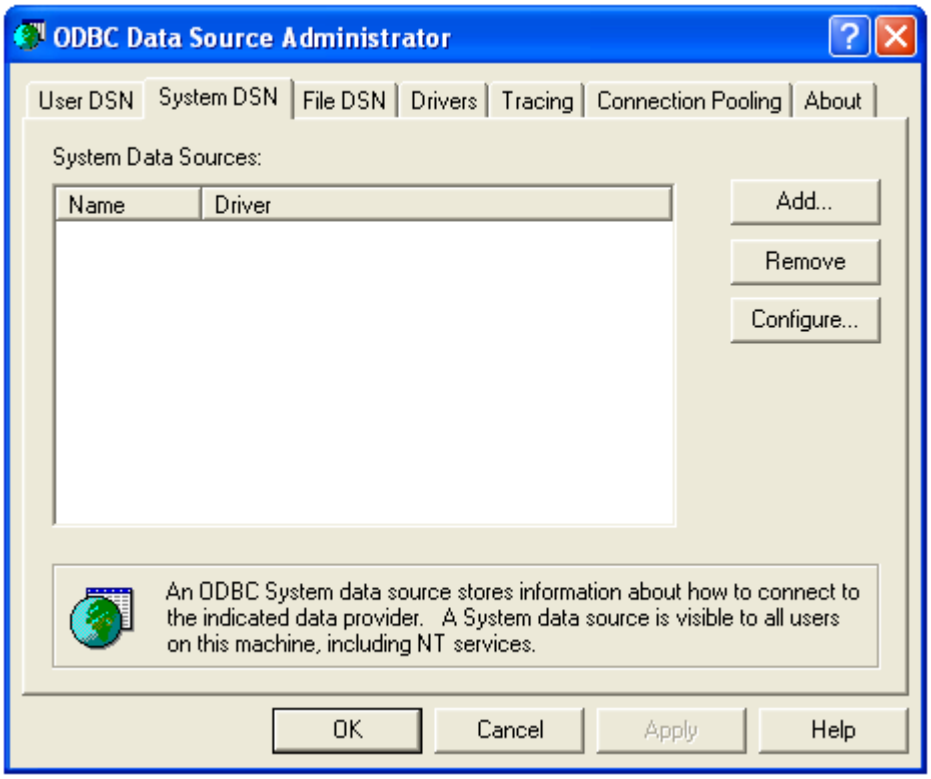


Figure 128: System DSN Tab

3. Click on the **Add** button. The **Create New Data Source** screen appears.

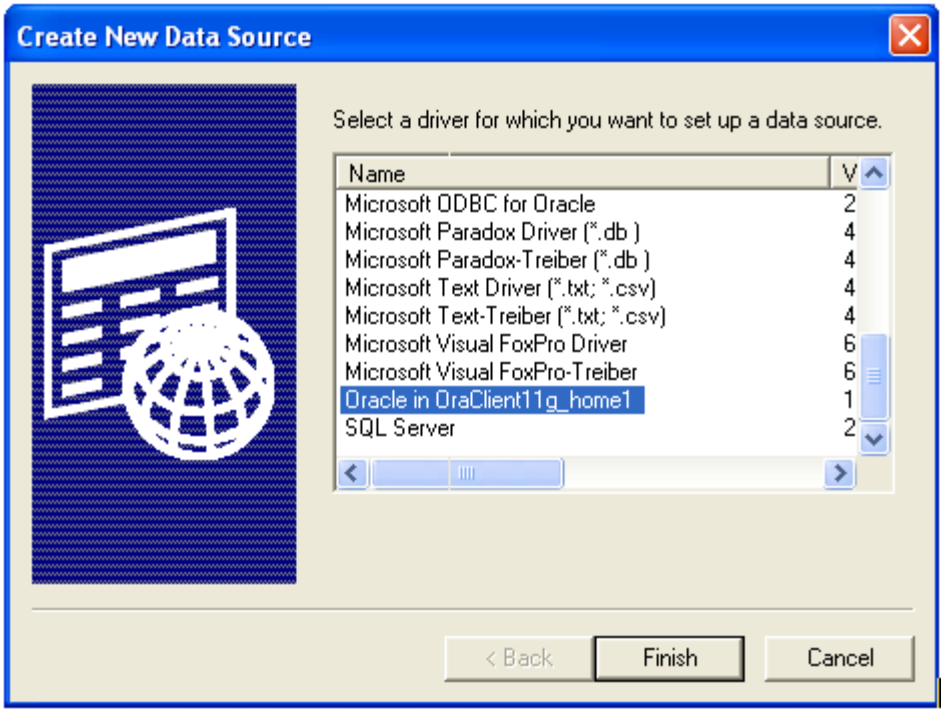


Figure 129: Select “Oracle in OraClient11g_home1”

4. Scroll down the list of drivers and select **Oracle in OraClien11g_home1.**
5. Click on **Finish**. The **Oracle ODBC Driver Configuration** window opens.

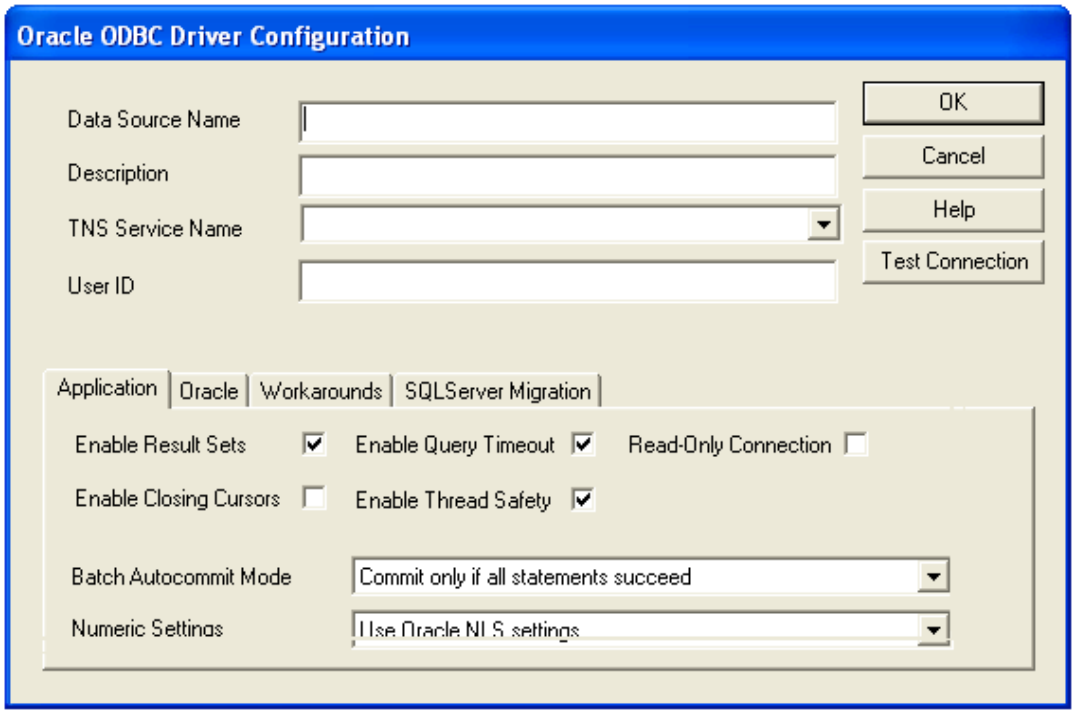


Figure 130: Driver Configuration Screen

6. Enter the following information in this window:
   - **Data Source Name:** Enter **Insight700** as the Data Source Name.
   - **Description:** Enter an optional description.
   - **TNS Service Name:** Select the Net Service Name from the drop-down list that you created in *Creating a Net Service Name in Oracle Client* on page 9 *in Chapter 3: Performing Pre-Installation Tasks*. In the example in that chapter the name of the Net Service Name was “Insight700”.
   - **User ID:** Enter **OII_DM** as the user name.

     OII_DM is the default user name for the Data Mart Schema from the Schema Configuration Parameters Screen (see page 28 in *Chapter 7: Installing Oracle Insurance Insight*) that appeared when you installed OII. If you entered a different name for the Data Mart Schema at that screen then use that name instead.

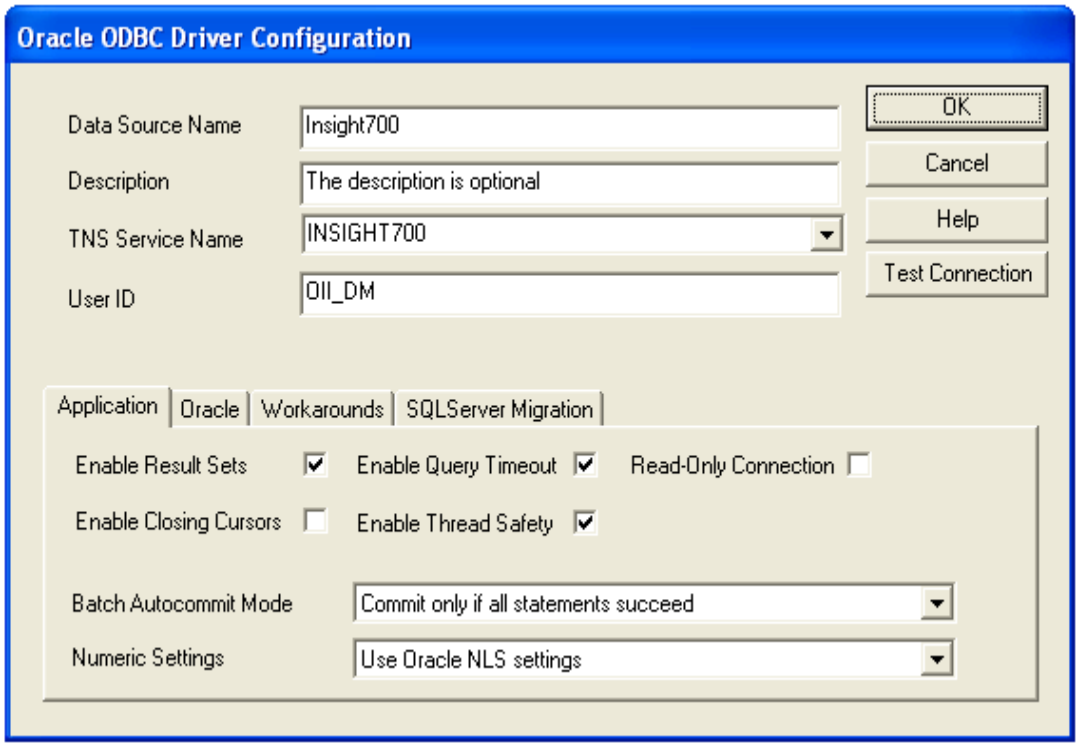


Figure 131: Driver Configuration Screen Entries

7. Click on the **Test Connection** button. The **Oracle ODBC Driver Connect** window will display.

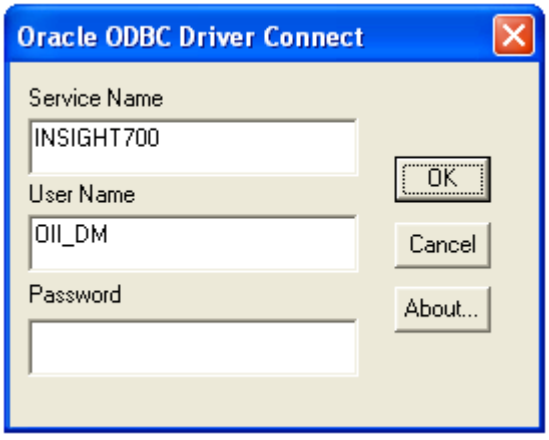


Figure 132: Driver Connect Window

8. Type in the corresponding password that you entered for OII_DM on the Schema Configuration Parameters Screen (see page 28 in *Chapter 7: Installing Oracle Insurance Insight*).
9. Click on **OK**. A "Connection successful" message box will display.
10. Click on **OK** to close this message box.
11. Click on **OK** in the **Oracle ODBC Driver Configuration** window.

12. The new data source is listed in the System DSN tab of the **ODBC Data Source Administrator** window.

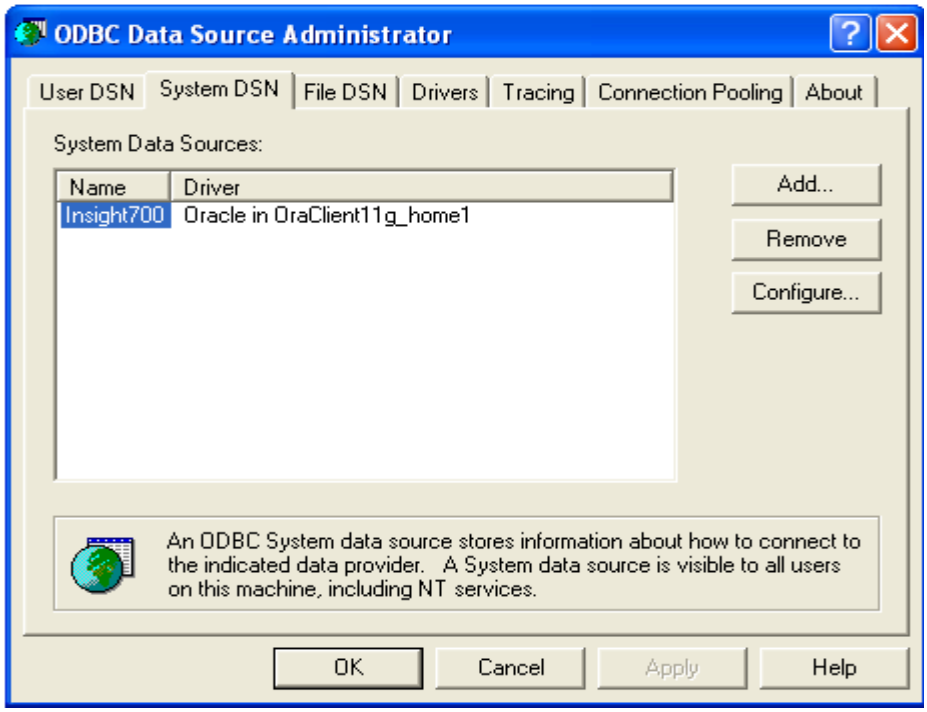


Figure 133: Insight700 Data Source

Step B: Create the Insight700Config Data Source

1. From the "System DSN" tab click on the Add button. The Create New Data Source screen opens.

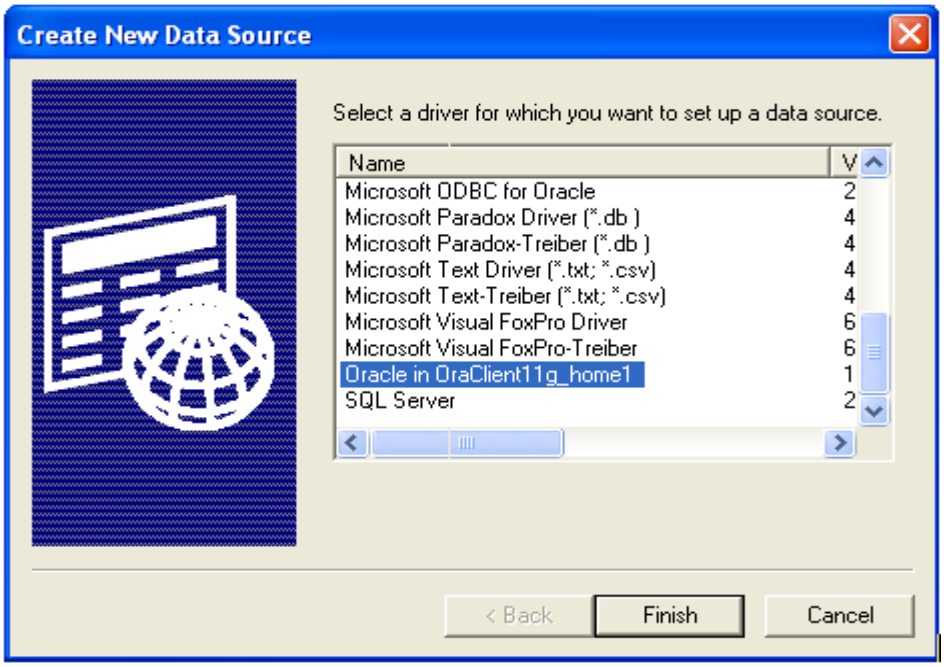


Figure 134: Select "Oracle in OraClient11g_home1"

2. Scroll down the list of drivers and select **Oracle in OraClien11g_home1**
3. Click on **Finish**. The **Oracle ODBC Driver Configuration** window opens.

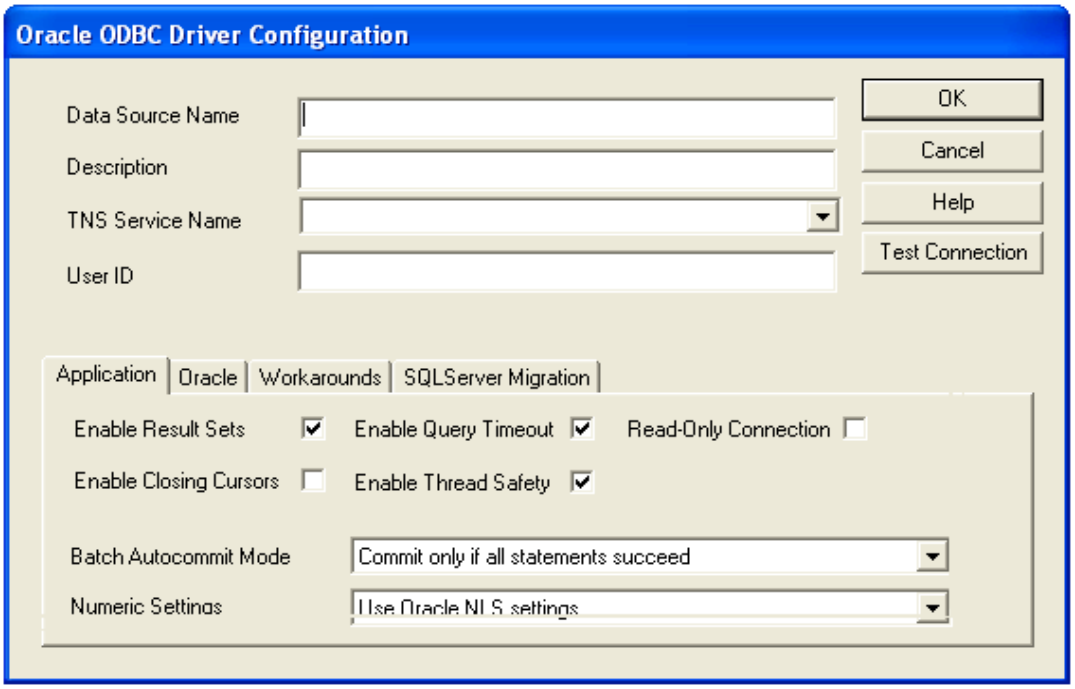


Figure 135: Driver Configuration Screen

4. Enter the following information in this window:

   - **Data Source Name:** Enter **Insight700Config** as the Data Source Name.
   - **Description:** Enter an optional description.
   - **TNS Service Name:** Select the Net Service Name from the drop-down list that you created in *Creating a Net Service Name in Oracle Client* on page 9 in *Chapter 3: Performing Pre-Installation Tasks*. In the example in that chapter the name of the Net Service Name was “Insight700”.
   - **User ID:** Enter **OII_SYS** as the user name.

     OII_SYS is the default user name for the System Configuration Schema from the Schema Configuration Parameters Screen (see page 28 in *Chapter 7: Installing Oracle Insurance Insight*) that appeared when you installed OII. If you entered a different name for the System Configuration Schema at that screen then use that name instead.

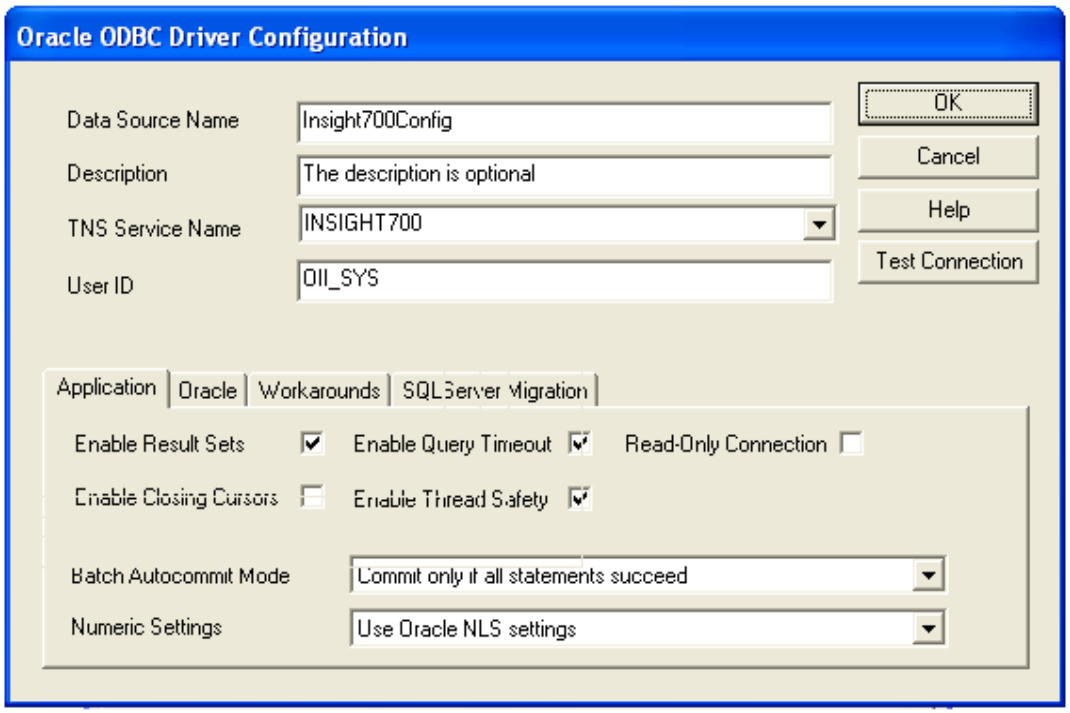


Figure 136: Driver Configuration Screen Entries

5. Click on the **Test Connection** button. The **Oracle ODBC Driver Connect** window will display.

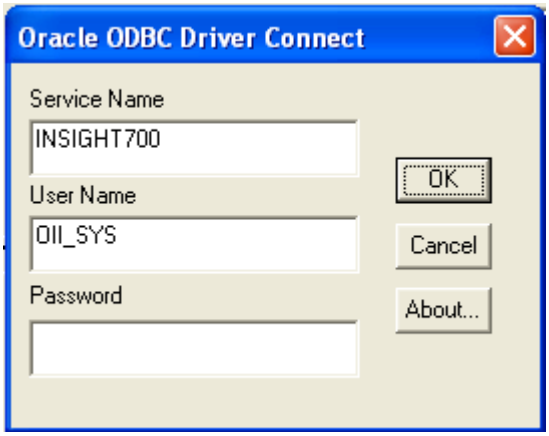


Figure 137: Driver Connect Window

6. Type in the corresponding password that you entered for OII_SYS on the Schema Configuration Parameters Screen (see page 28 in *Chapter 7: Installing Oracle Insurance Insight*).
7. Click on **OK**. A "Connection successful" message box will display.
8. Click on **OK** to close this message box.
9. Click on **OK** in the **Oracle ODBC Driver Configuration** window.
10. The new data source is listed in the System DSN tab of the ODBC Data Source Administrator window.

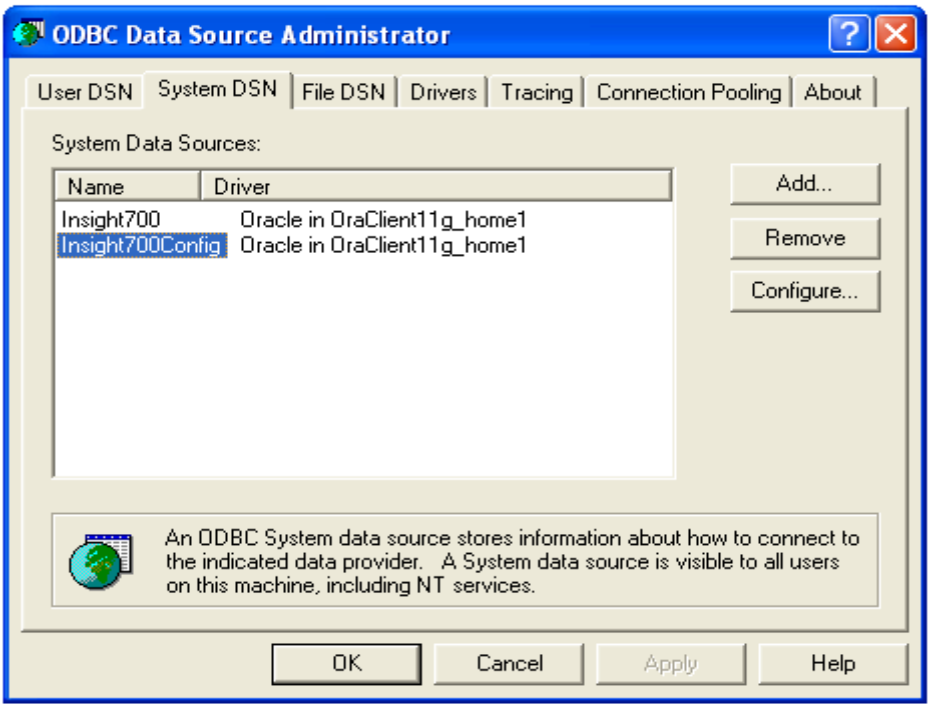


Figure 138: Insight700Config Data Source

STEP 3: UPDATE THE OBIEE REPOSITORY

This step requires you to update the OBIEE repository information for the OII Subject Areas.

Step A: Open the OBIEE Repository

1. Open the OBIEE Repository Administration Tool by selecting:

   Start>All Programs>Oracle Business Intelligence>Administration

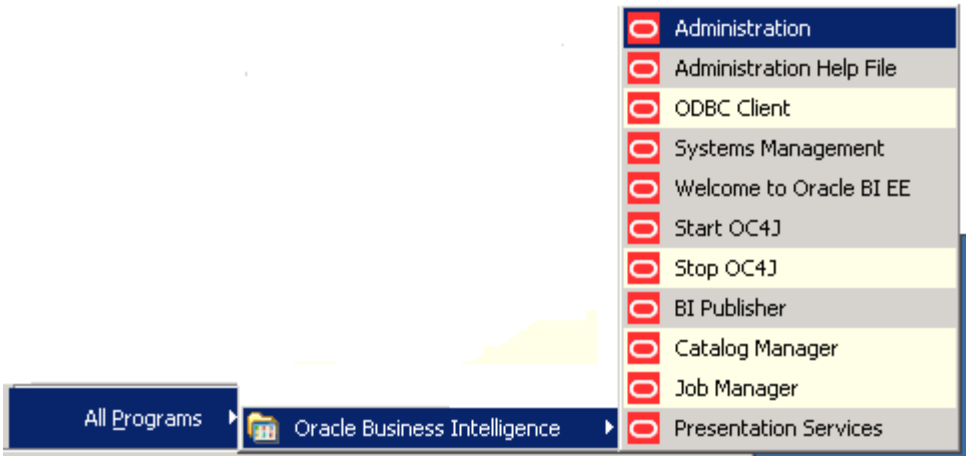


Figure 139: Open OBIEE Administration Tool

2. When the Administration Tool opens, select **File>Open>Online** or click the **Open Online** button.

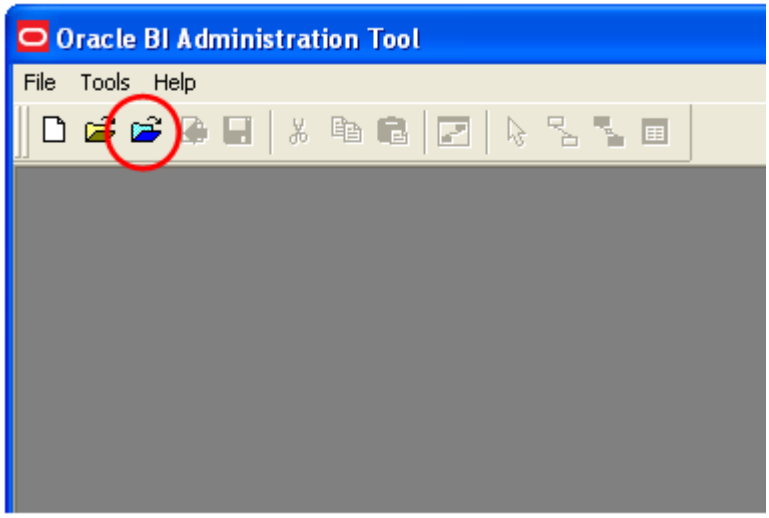


Figure 140: Open Online Button

3. In the login dialog box that appears, enter the password (the default password is *Administrator*) and click on the **Open** button.

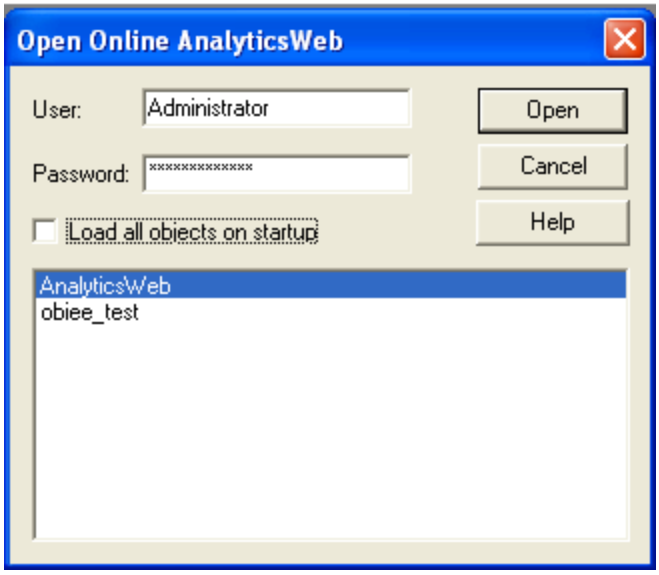


Figure 141: Enter the Administration Tool Password

The following Repository screen will open:

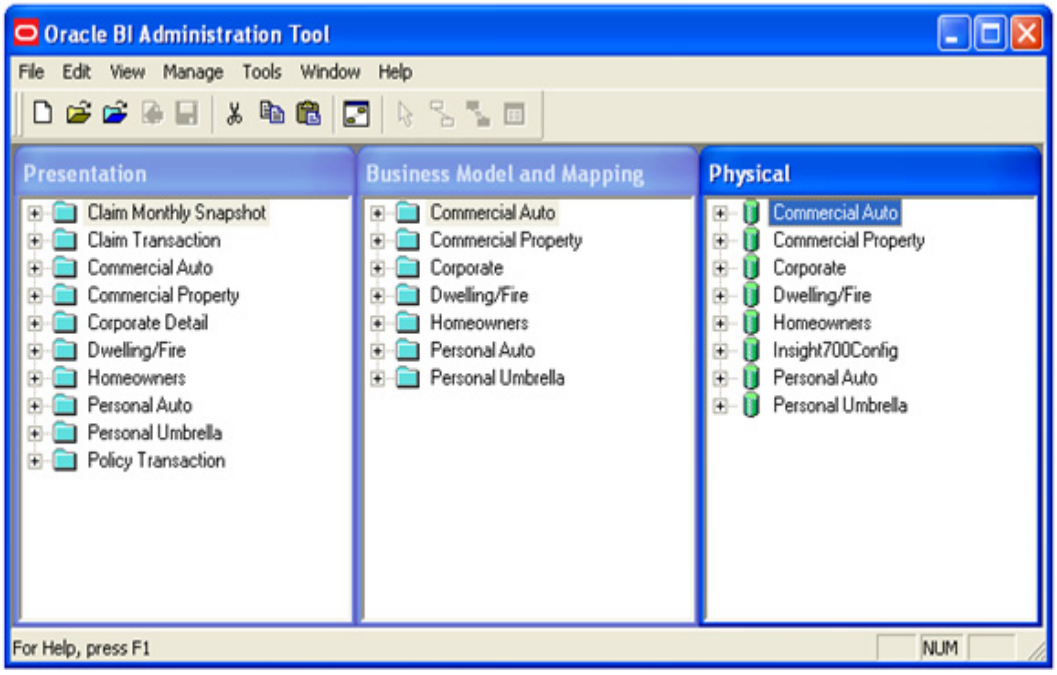


Figure 142: Layers of the OBIEE Repository for OII

Step B: Configure the Line of Business Subject Areas

1. Go to the Physical Layer pane. This pane contains the Subject Areas for each Line of Business (Commercial Auto, Homeowners, etc.) and an additional Subject Area called **Insight700Config**. You will need to configure the settings under each of the Line of Business Subject Areas and the **Insight700Config** Subject Area.

Important The following configuration steps apply only to the Subject Areas for each Line of Business. The steps to configure the **Insight700Config** Subject Area are described in the next section on page129.

2. Expand each of the Line of Business Subject Areas under the Physical Layer pane. The Connection Pool icon will appear underneath each Subject Area:

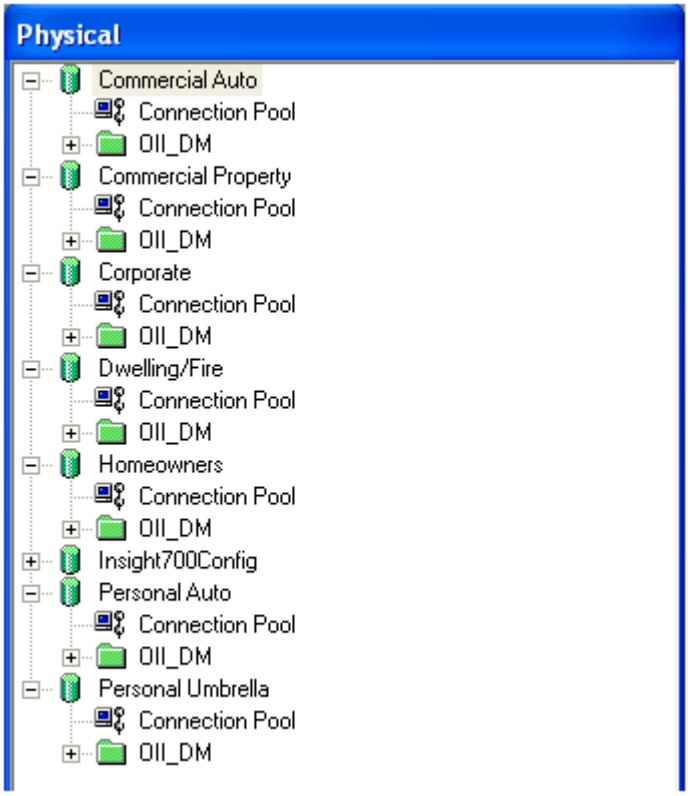


Figure 143: Subject Areas under the Physical Layer

3. Starting with the Commercial Auto Subject Area, click on the Connection Pool icon.

Figure 144: Connection Pool Icon

4. A message box will appear and ask you if you want to check out the Connection Pool.
5. Select **Yes**. The Connection Pool screen opens:

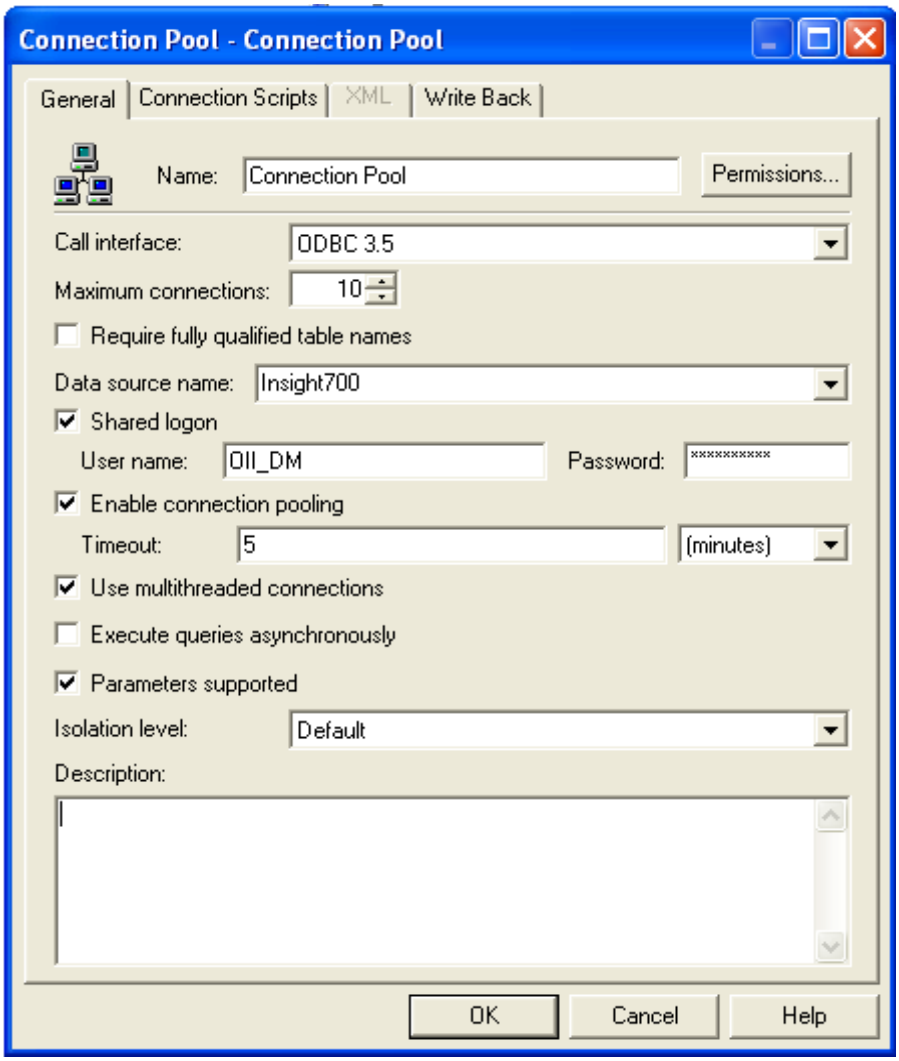


Figure 145: The Connection Pool Screen

6. Make sure that the **Require fully qualified table names** option is unchecked.
7. Under the "Shared Login" section, update the user name and password with the same ones that you entered for the **Insight700** data source that you created in *Step A: Create the Insight700 Data Source* on page 117.
8. Leave all of the other settings as is and click **OK** to close the screen.

9. Repeat the steps 1-7 for each of the remaining Line of Business Subject Areas:
   - Commercial Property
   - Corporate
   - Dwelling Fire
   - Homeowners
   - Personal Auto
   - Personal Umbrella

Step C: Configure the Insight700Config Subject Area

1. Click on the Connection Pool under the **Insight700Config** Subject Area to open the Connection Pool window.

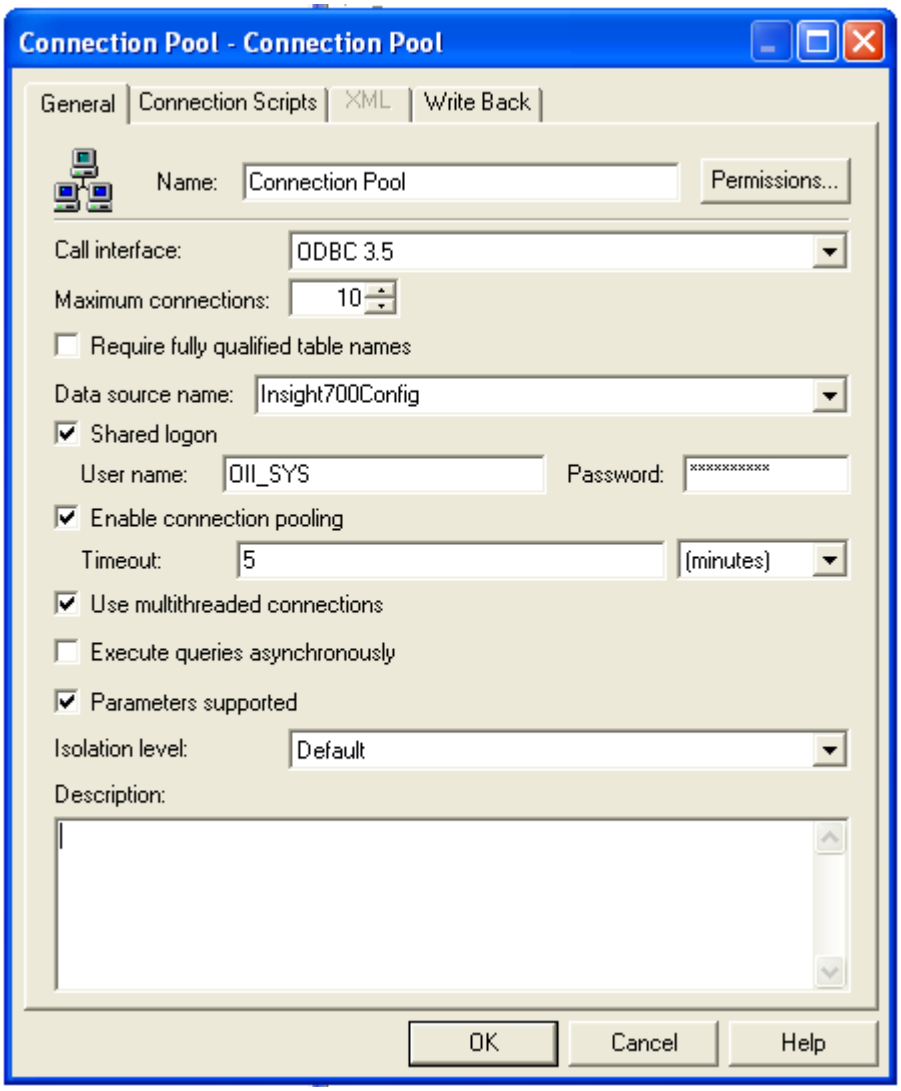


Figure 146: Insight700Config Connection Pool Window

2. Make sure the data source name is **Insight700Config.**
3. Make sure that the **Require fully qualified table names** option is unchecked.
4. Under the **Shared Login** section, update the user name and password with the same ones that you entered for the **Insight700Config** data source that you created in *Step B: Create the Insight700Config Data Source* on page 122.
5. Click **OK** to close the screen.

Step D: Check in the Changes to the Physical Layer

1. Check in all the changes by click on “Check-in” button at the top tool bar:

Figure 147: Check in Changes

2. Click the **Save** button.
3. Click the **Close** and **Exit** buttons to exit the OBIEE Administration Tool.

Step E: Stop and Restart the Oracle BI Server and Oracle BI Presentation Server

1. From the **Start** menu select **Control Panel>Administrative Tools>Services** to open the Services window.
2. Locate the Oracle BI Server and the Oracle BI Presentation Server in the list of services.

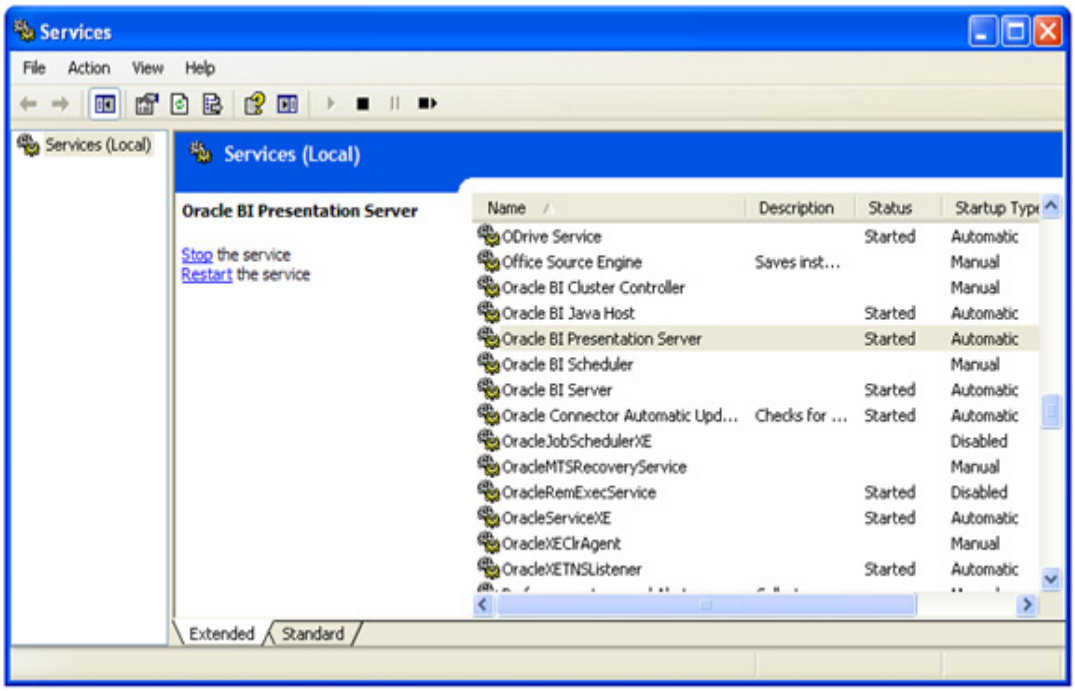


Figure 148: Locate Oracle BI Presentation Server and Oracle BI Server

3. Separately highlight the name of the server in the list and click the **Stop** link.
4. Separately highlight the name of the server in the list and click the **Restart** link.

STEP 4: UPDATE THE ANALYTICS.WAR FILE

1. Locate the OBIEE **analytics.war** file. Normally this file is located under:

   <OBIEE_Root>\web

   For example:

   C:\OracleBI\web

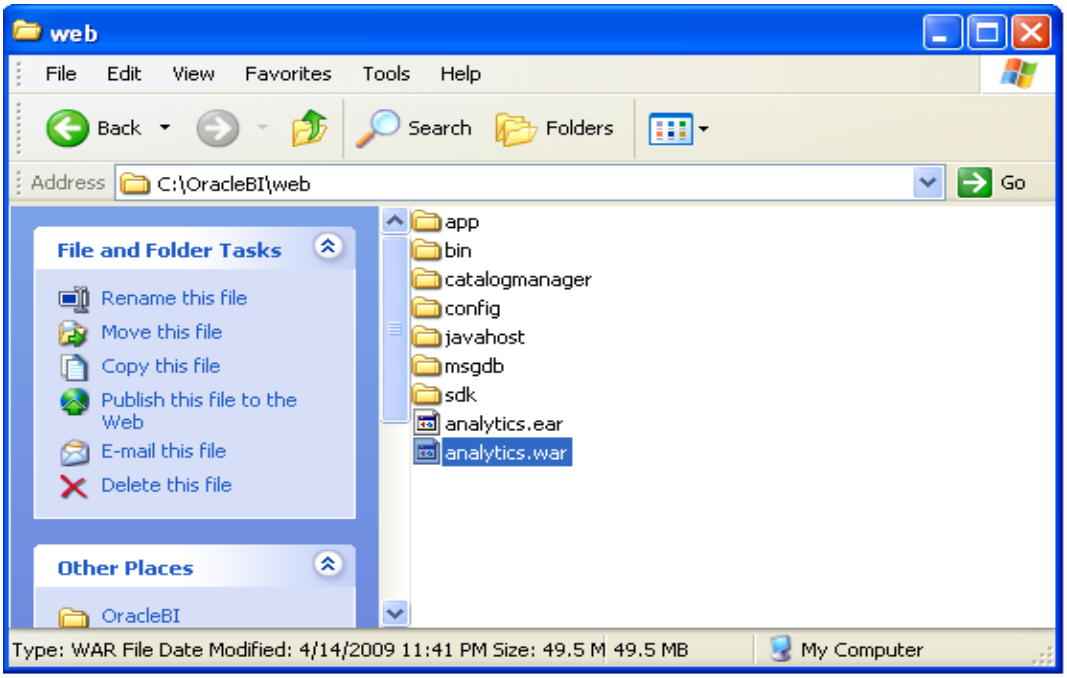


Figure 149: <OBIEE_Root>\Web\analytics.war

2. Copy **analytics.war** to a temporary location on your computer.

3. Use **7-Zip** to open the **analytics.war** file (right-click on **analytics.war a**nd from the pop-up menu select **7-Zip>Open Archive**).

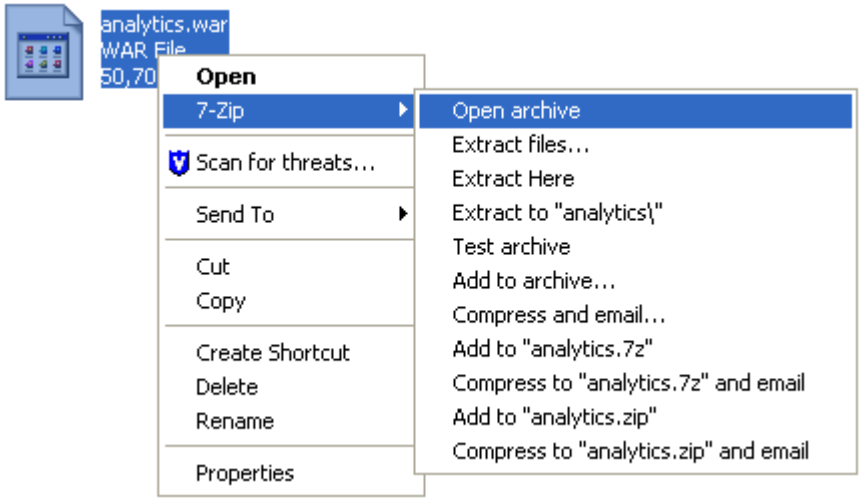


Figure 150: Open the Analytics.war File

The contents of the **analytics.war** file will be similar to the figure below:

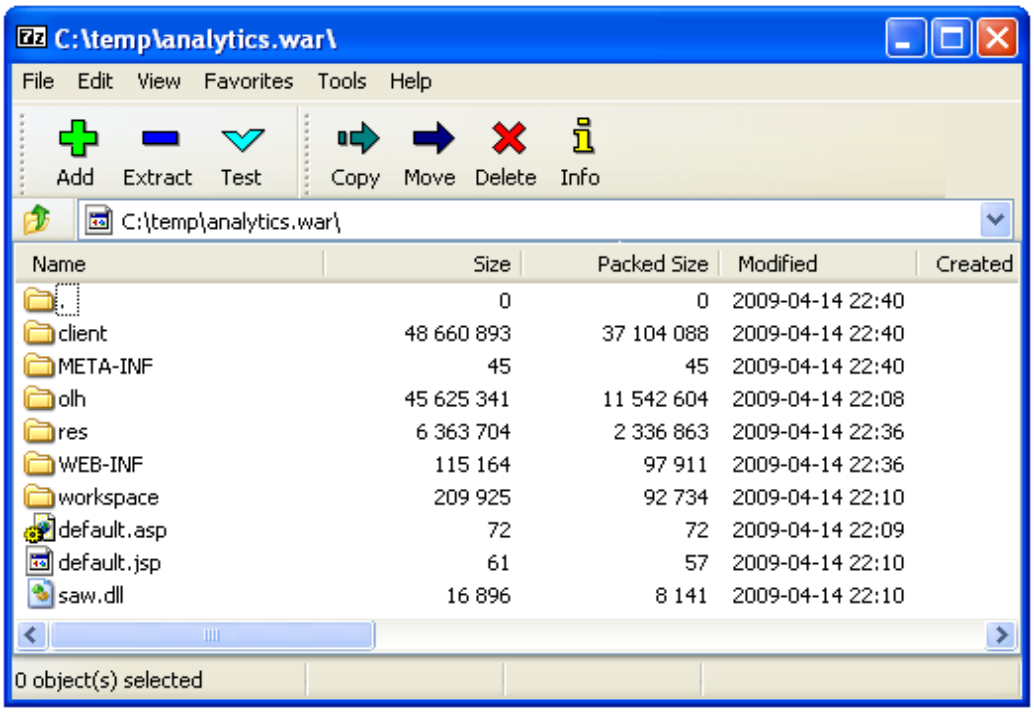


Figure 151: Contents of analytics.war

4. Within this file create a folder called **dictionary**:

   a. Select **File>Create Folder** (or press **F7**).

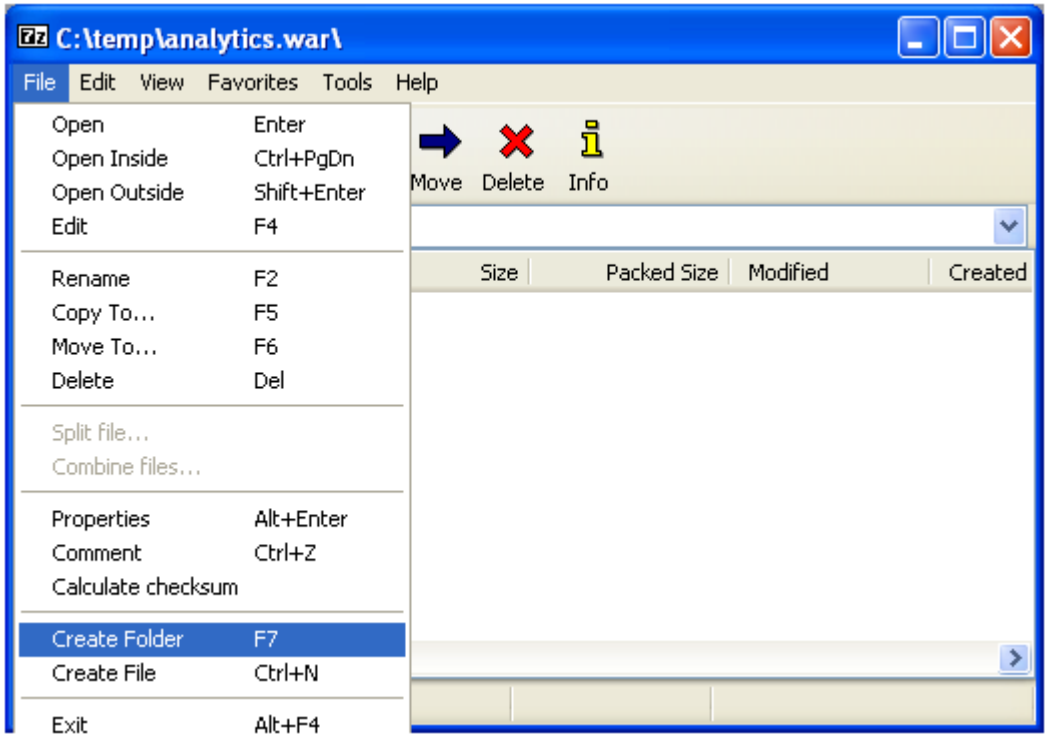


Figure 152: Create a New Folder Called "dictionary"

   b. In the **Create Folder** box that appears, enter "dictionary" as the folder name and press **OK**.

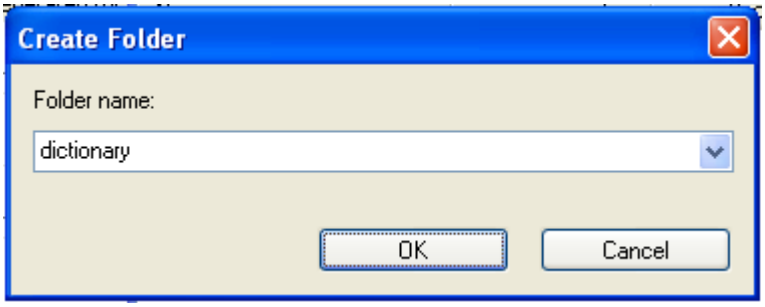


Figure 153: Create Folder Dialog Box

c. The **dictionary** folder will appear in the **analytics.war** file.

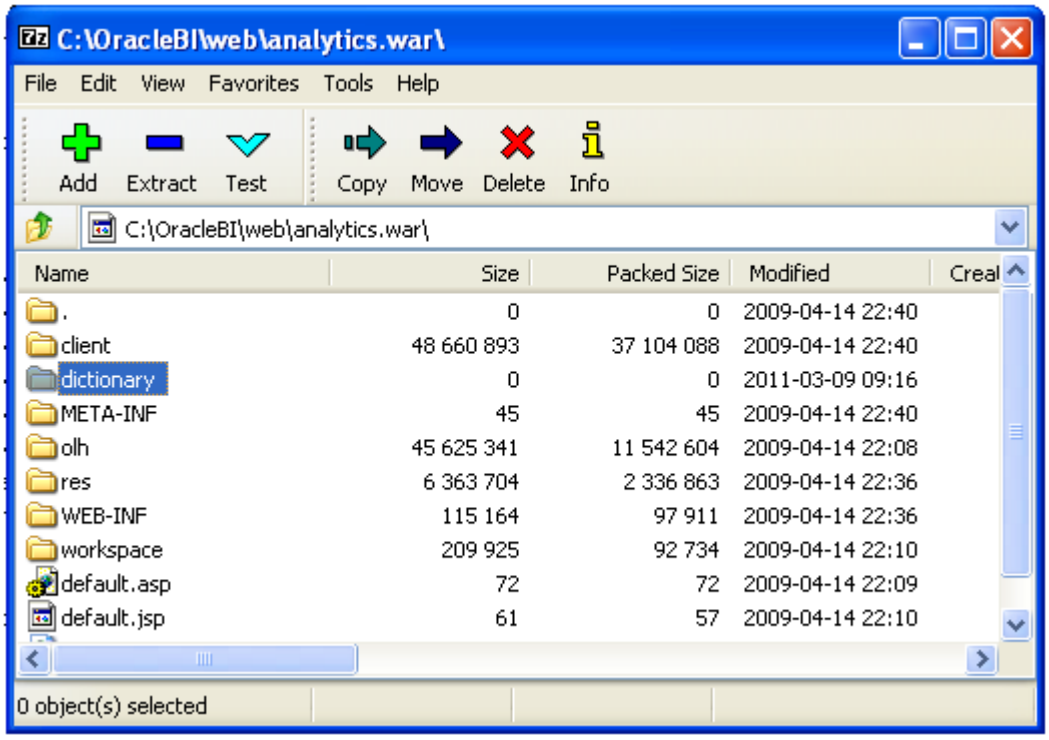


Figure 154: The "dictionary" Folder has been Created in the analytics.war File

5. Leave the **7-Zip** window open and go to the folder:

<OII_Root>\install\obiee\metadata_dic\Insight_700

For example:

C:\Oracle\Insight_Home\Insurance\oii\7.0.0\install\obiee\metadata_dic\Insight_700

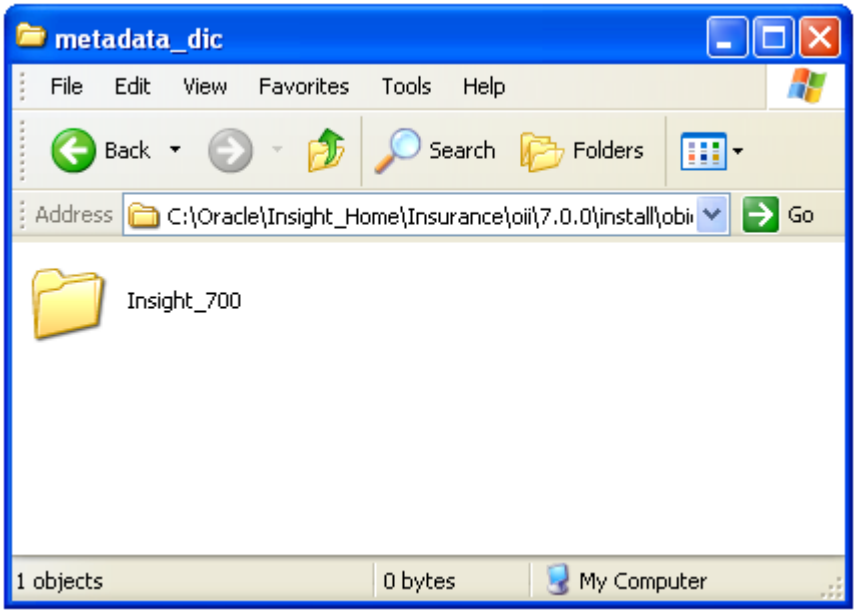


Figure 155: <OII_Root>\install\obiee\metadata_dic\Insight_700

6. Copy the entire **Insight_700** folder into the **dictionary** folder in the **7-Zip** window.
7. Save **analytics.war** and close the **7-Zip** window.

STEP 5: DEPLOY OBIEE ANALYTICS.WAR ON WEBLOGIC

1. If it is not already started, start the WebLogic server from the Start Menu:

   Start Menu>Oracle Fusion Middleware>User Projects<Your Server Domain>Start Admin Server for WebLogic Server Domain

Note <Your Server Domain> is the name of the domain you created when you installed WebLogic (see *Creating a WebLogic Domain* on page 16 in *Chapter 3: Performing Pre-Installation Tasks*).

   A separate window will open and display a series of messages to indicate that the domain server is up and running.

2. Once the WebLogic server domain is running, select:

   Start Menu>All Programs>Oracle WebLogic>User Projects><Your Server Domain>>Admin Server Console

   The WebLogic Server Administration Console login screen will open:

Figure 156: WebLogic Server Administration Console Login Screen

3. Enter the administrator user name and password that you created when you set up the server domain (see *Creating a WebLogic Domain* on page 16 in *Chapter 3: Performing Pre-Installation Tasks*). The WebLogic administration console opens:

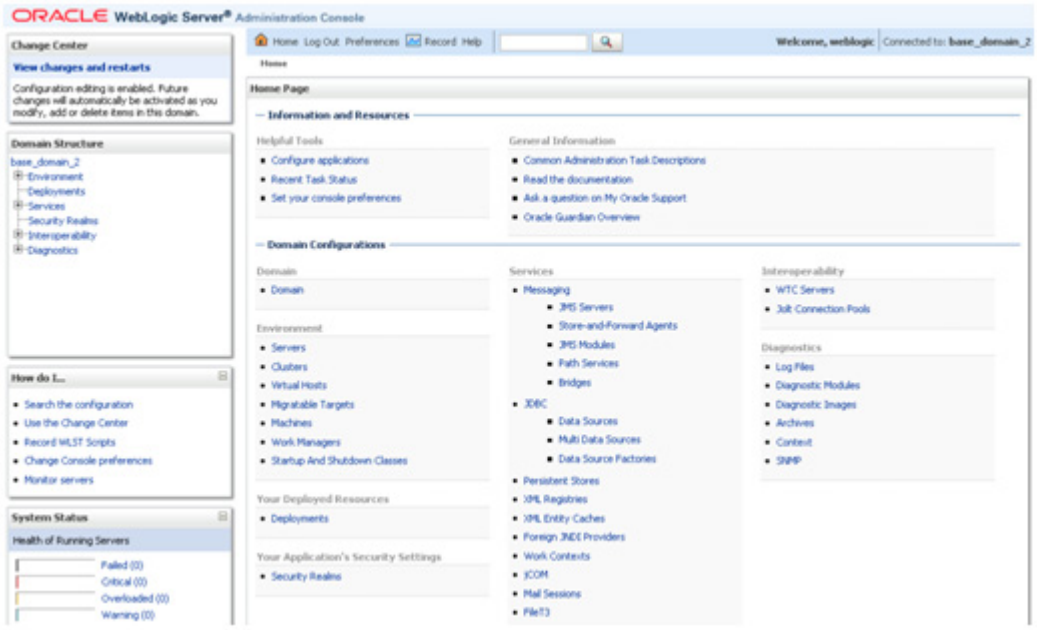


Figure 157: WebLogic Server Administration Console

4. Click the **Depolyments** link under the Domain Structure pane. The Deployments screen will open.

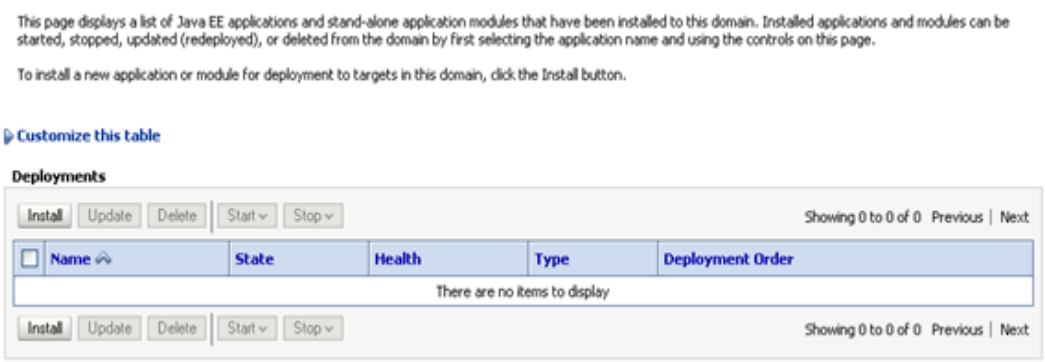


Figure 158: Deployments Screen

5. Click the **Install** button. The Install Application Assistant screen will open.

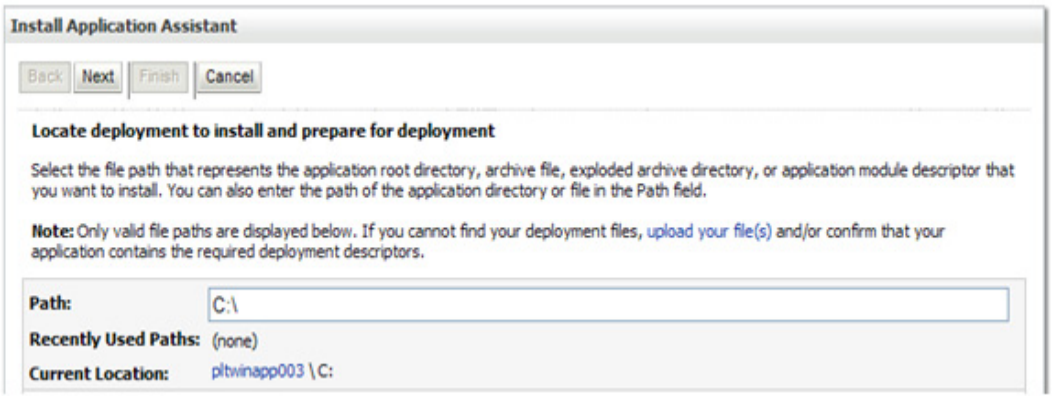


Figure 159: Install Application Assistant Screen

6. In the **Path:** box, enter the path of the **analytics.war** file that you updated in the previous section (see page 125).
7. Click **Enter** on your keyboard. The **analytics.war** file will appear as one of the selections.

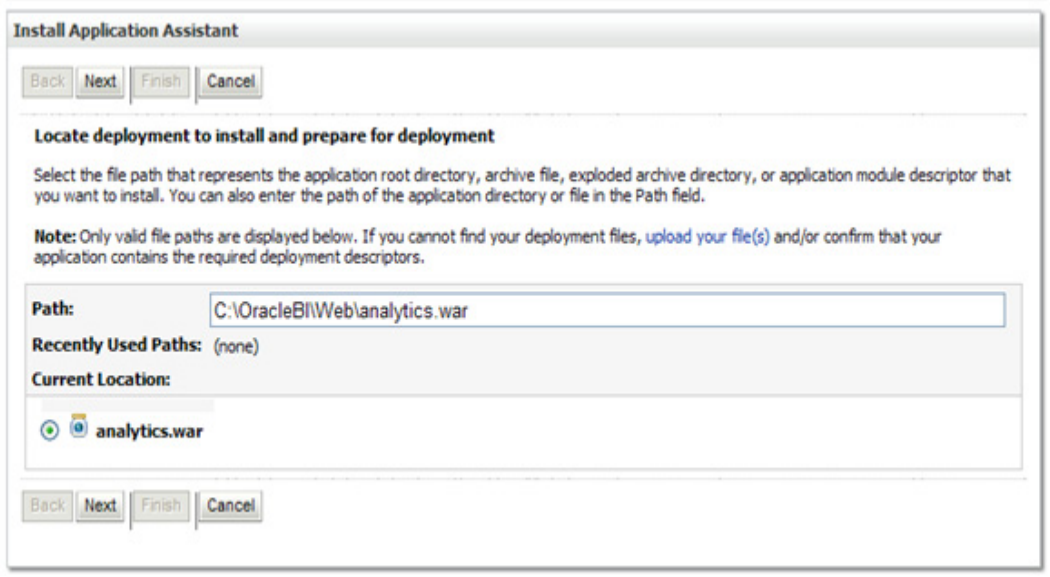


Figure 160: The Path to the analytics.war File

8. Select the **analytics.war** file and click the **Next** button. The following screen will open.

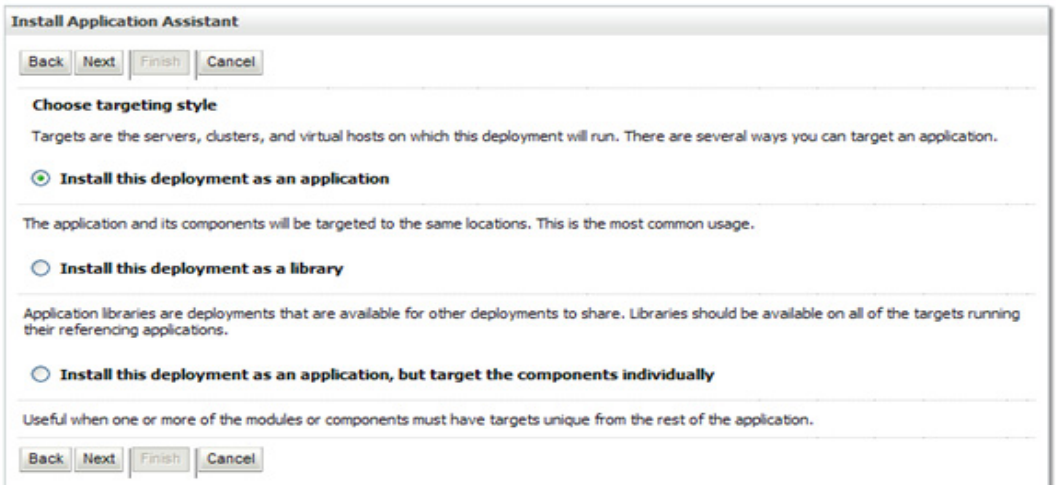


Figure 161: Choose Targeting Style

9. Select **Install this deployment as an application** and click **Next**. The Optional Settings screen opens:

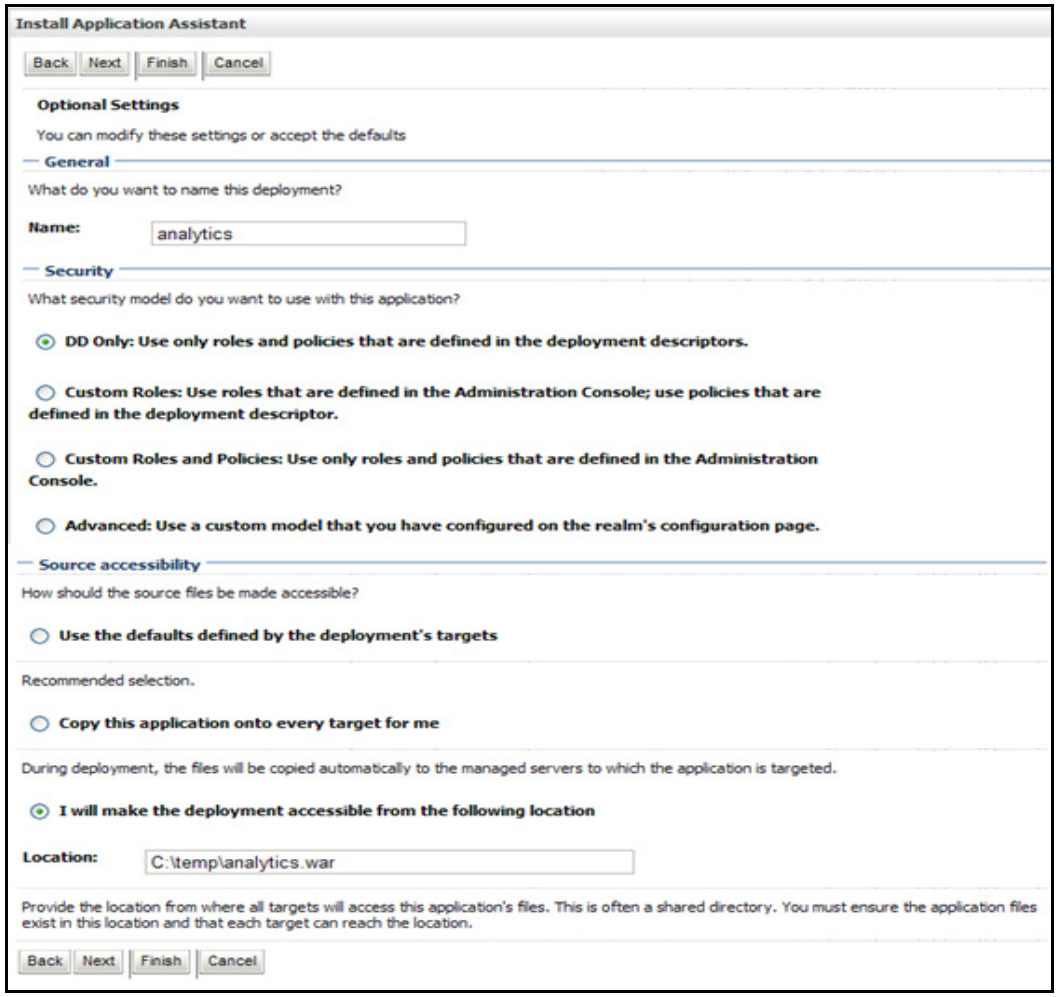


Figure 162: Optional Settings

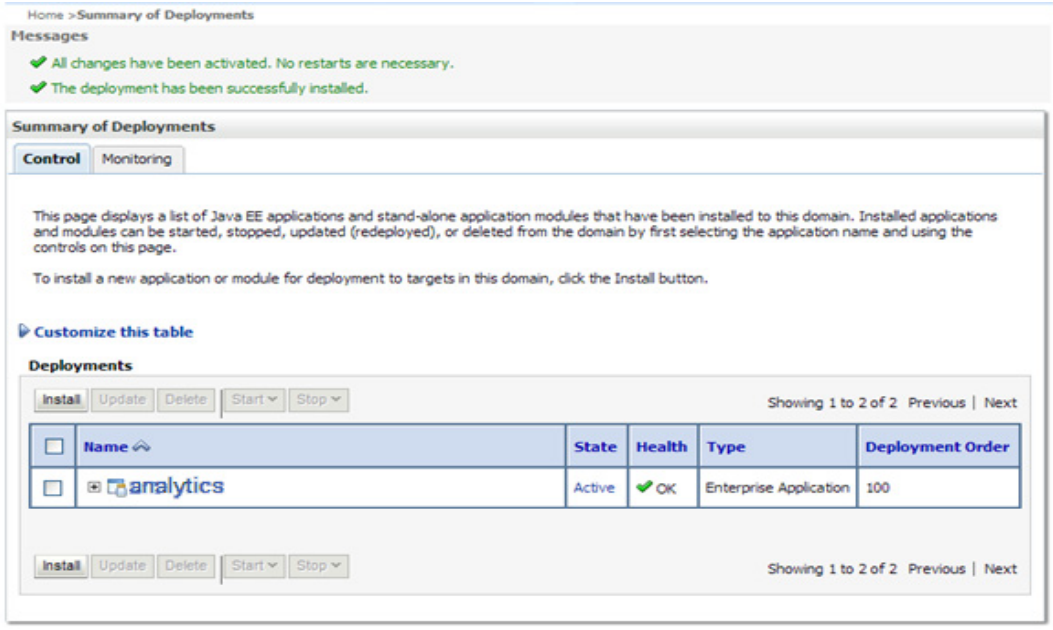
10. Scroll down to the "Source accessibility" section of the screen and select:

    I will make the deployment accessible from the following location.

11. Leave the rest of the settings on this screen. The deployment name should appear as analytics.

12. Click the **Finish** button.

13. After the **analytics.war** file has been added, you will be returned to the Summary of Deployments. The **analytics.war** file will be listed. Read the messages at the top of the screen and correct any errors.



14. *Successful Deployment*

STEP 6: ACCESS OBIEE

1. Open a new browser window and enter the following URL for OBIEE:

   `http://<hostname>:<port>/analytics`

Note	In the above URL, <hostname> can be the server name or IP address where you installed OBIEE (i.e., http://<hostname>:7001/analytics)

2. A login screen similar to this one will appear.

Figure 163: Oracle Business Intelligence Login Screen

3. The appearance of this screen indicates that you have successfully installed OBIEE.

WHAT'S THE NEXT STEP IN THE INSTALLATION?

The next step in the installation process is to configure and deploy the ODI Wrapper Service. For these steps, go to:

- *Chapter 10: Configuring and Deploying the ODI Wrapper Service*

Chapter 13

Configuring and Deploying the ODI Wrapper Service

The files for the ODI Wrapper Service are located under: **<OII_Root>\install\wrapper**

Note For the sake of consistency this section will refer to the default OII installation directory as **<OII_Root>**. For example:

C:\Oracle\Insight_Home\Insurance\oii\7.0.0

In order for the Warehouse Palette to function properly the user needs to perform the following steps:

Table 9: Configuration Road Map

Step	Description
Step 1	Deploy the ODI Wrapper Service .EAR File on WebLogic
Step 2	Create a JDBC Data Source

Step 1: Deploy the ODI Wrapper Service .EAR

This step requires you to deploy the **OdiWrapperService.ear** file to WebLogic.

1. If it is not already started, start the WebLogic server from the Start Menu:

   Start>All Programs>Oracle Fusion Middleware>User Projects<Your Server Domain>Start <Admin Server for WebLogic Server Domain>

Note **<Your Server Domain>** is the name of the domain you created when you installed WebLogic (see *Chapter 3: Installing Oracle WebLogic Server and Oracle JDeveloper* on page 24).

2. Once the WebLogic server domain is running, type the following URL into your browser:

   `http://<hostname>:<port>/console`

Note In the above URL, <hostname> can be the server name or IP address where you installed WebLogic (e.g., http://<hostname>:7001/console)

The WebLogic Server Administration Console login screen will open:

Figure 164: WebLogic Server Administration Console Login Screen

3. Enter the administrator user name and password that you created when you set up the server domain (see *Chapter 3: Installing Oracle WebLogic Server and Oracle JDeveloper* on page 24). The WebLogic administration console opens:

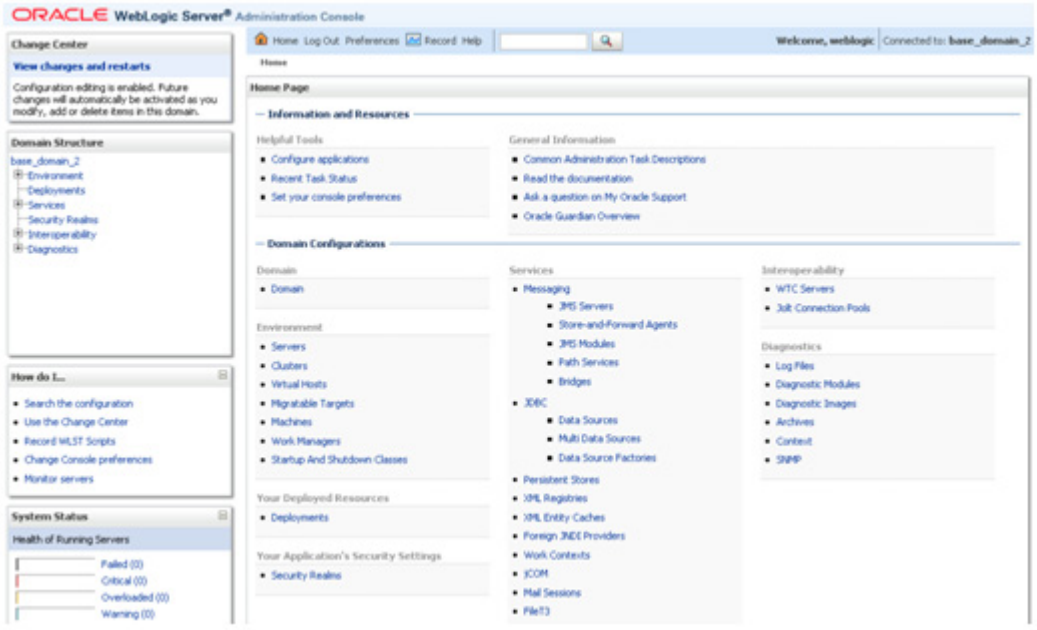


Figure 165: WebLogic Server Administration Console

4. Click the **Deployments** link under the Domain Structure pane. The Deployments screen will open.

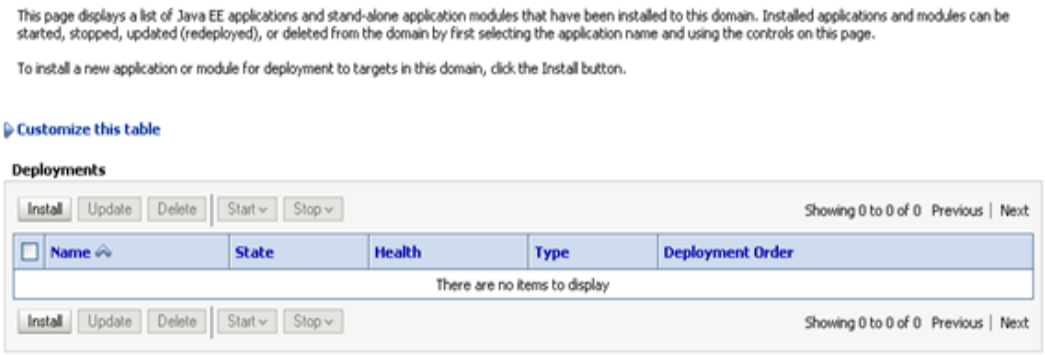


Figure 166: Deployments Screen

5. Click the **Install** button. The Install Application Assistant screen will open.

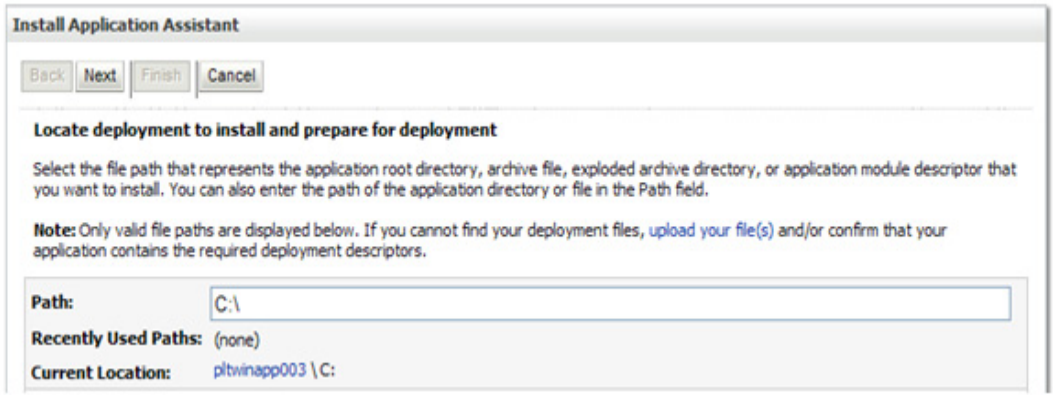


Figure 167: Install Application Assistant Screen

6. In the **Path:** box, enter the path to the file **OdiWrapperService.ear**:

   <OII_Root>\install\wrapper

   For example:

   C:\Oracle|Insight_Home\Insurance\oii\7.0.0\install\wrapper

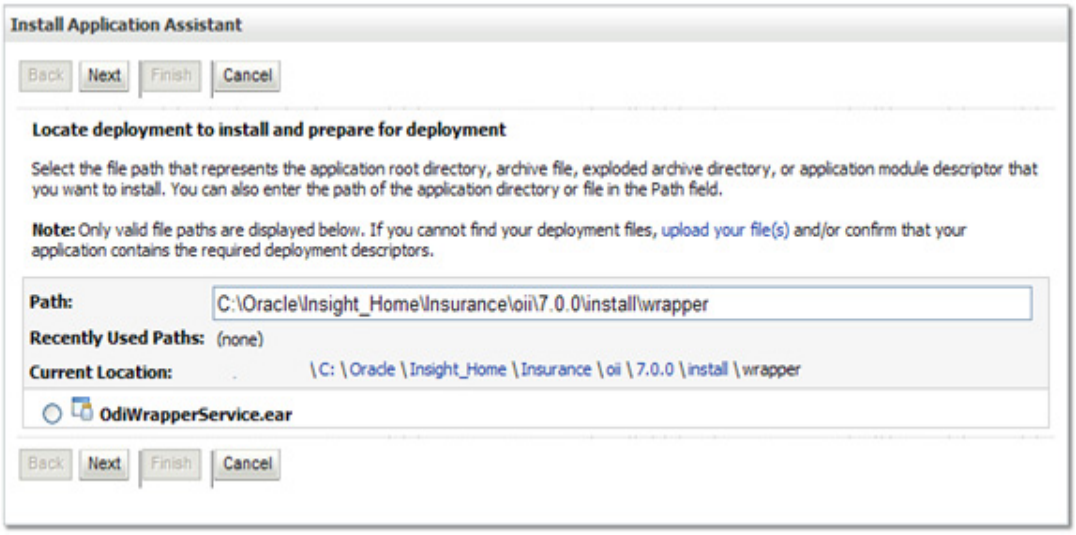


Figure 168: Enter Path to OdiWrapperService.ear

7. Select the **OdiWrapperService.ear** file and click the **Next** button. The following screen will open.

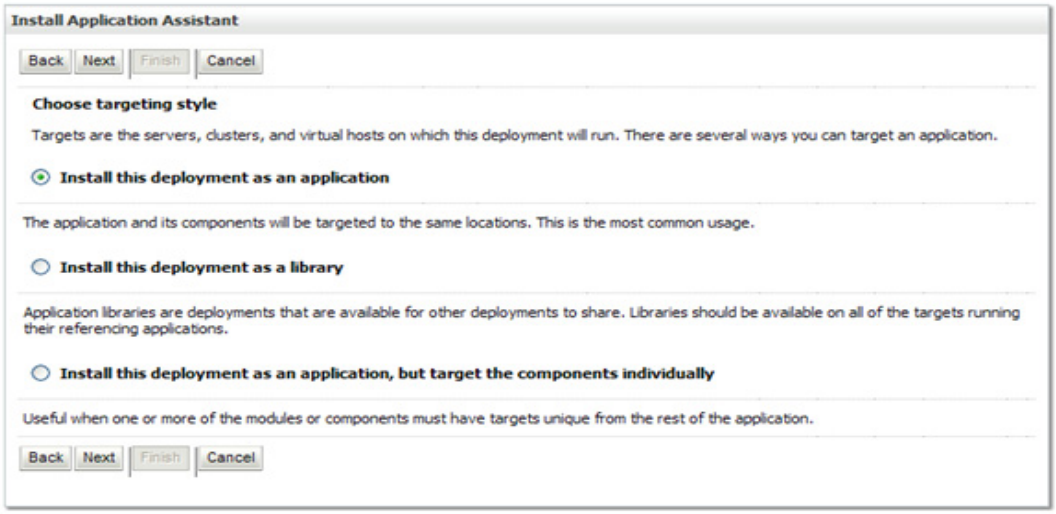


Figure 169: Choose Targeting Style

8. Select **Install this deployment as an application** and click **Next**. The Optional Settings screen opens.

9. Scroll down to the "Source Accessibility" section of the screen and select:

   I will make the deployment accessible from the following location.

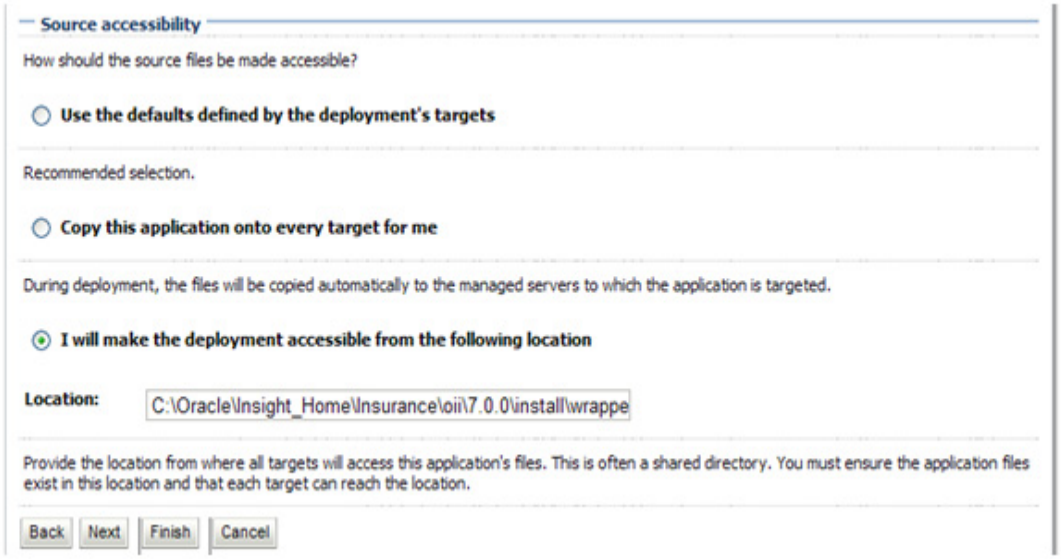


Figure 170: Source Accessibility Section

10. Click the **Finish** button.
11. After the **OdiWrapperService.ear** file has been deployed, you will be returned to the Summary of Deployments. The **OdiWrapperService.ear** file will be listed.

Figure 171: OdiWrapperService.ear File is Successfully Deployed

12. To start the service, check **OdiWrapperService.ear** in the Deployments table and then click the **Start** button.

STEP 2: CREATE A JDBC DATA SOURCE

1. On the WebLogic Server Administration Console home page, select **Services>Data Sources**.

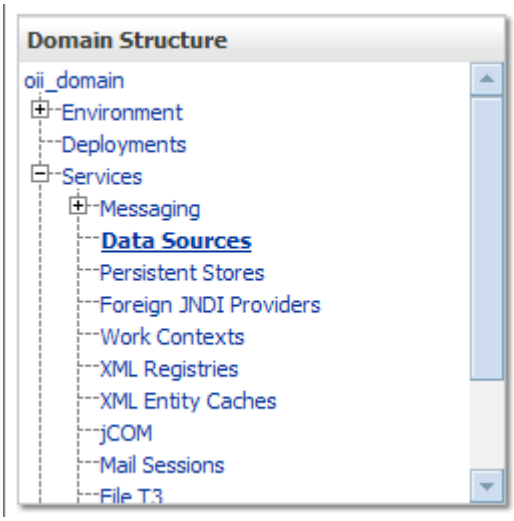


Figure 172: Select Services>Data Sources

The Data Sources screen opens.

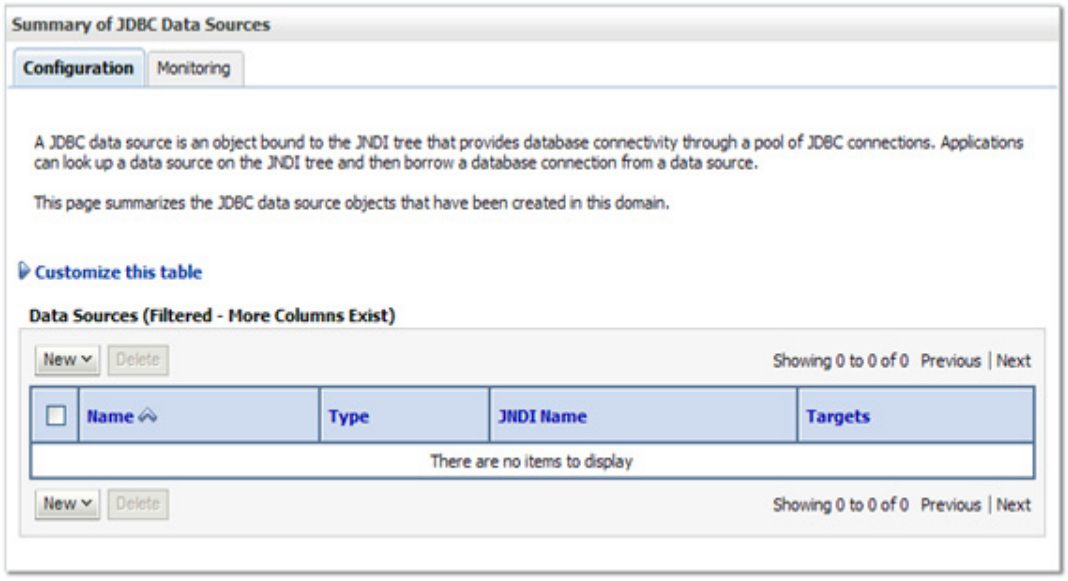


Figure 173: Create New Data Source

2. Click on the **New** button and select “Generic Data Source” from the drop-down list. The following screen opens.

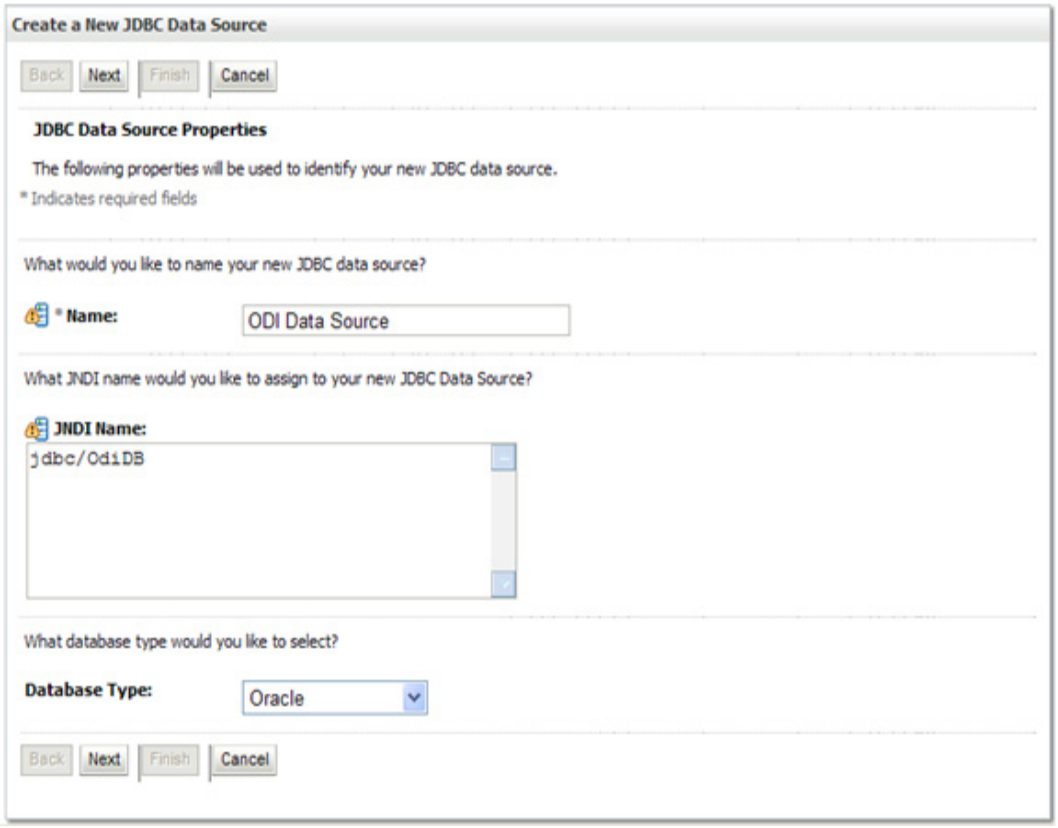


Figure 174: 4. Enter JDBC Data Source Properties

3. In the JDBC Data Source Properties screen specify the following:
   a. **Name** - In the Name field, enter the name of the JDBC data source (e.g. ODI Data Source).
   b. **JNDI Name** - Give the connection the following name: **jdbc/OdiDB**
   a. **Database Type** - Select **Oracle**.

4. Click **Next**. The following screen opens:

Figure 175: Select Database Driver

5. At the **Database Driver:** field, select any of the **Oracle Driver (thin)** drivers from the drop-down list.
6. Click **Next**. The **Transactions Options** screen will open. The contents of this screen will be different depending upon which database driver that you selected on the previous screen.

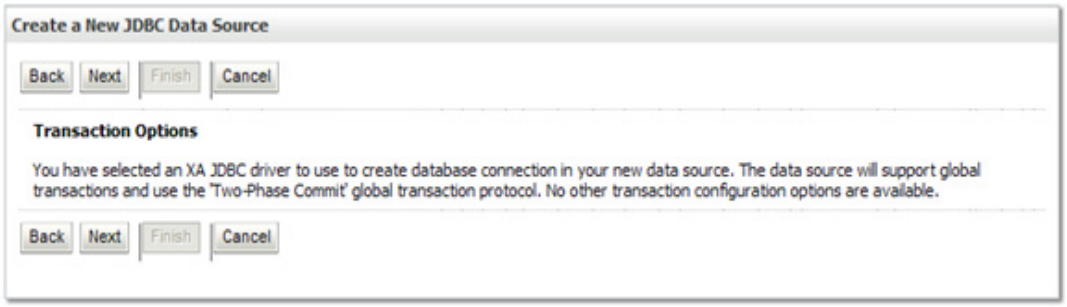


Figure 176: Select Transaction Options

7. Accept whatever default options are on the **Transaction Options** screen and click **Next**. The following screen opens:

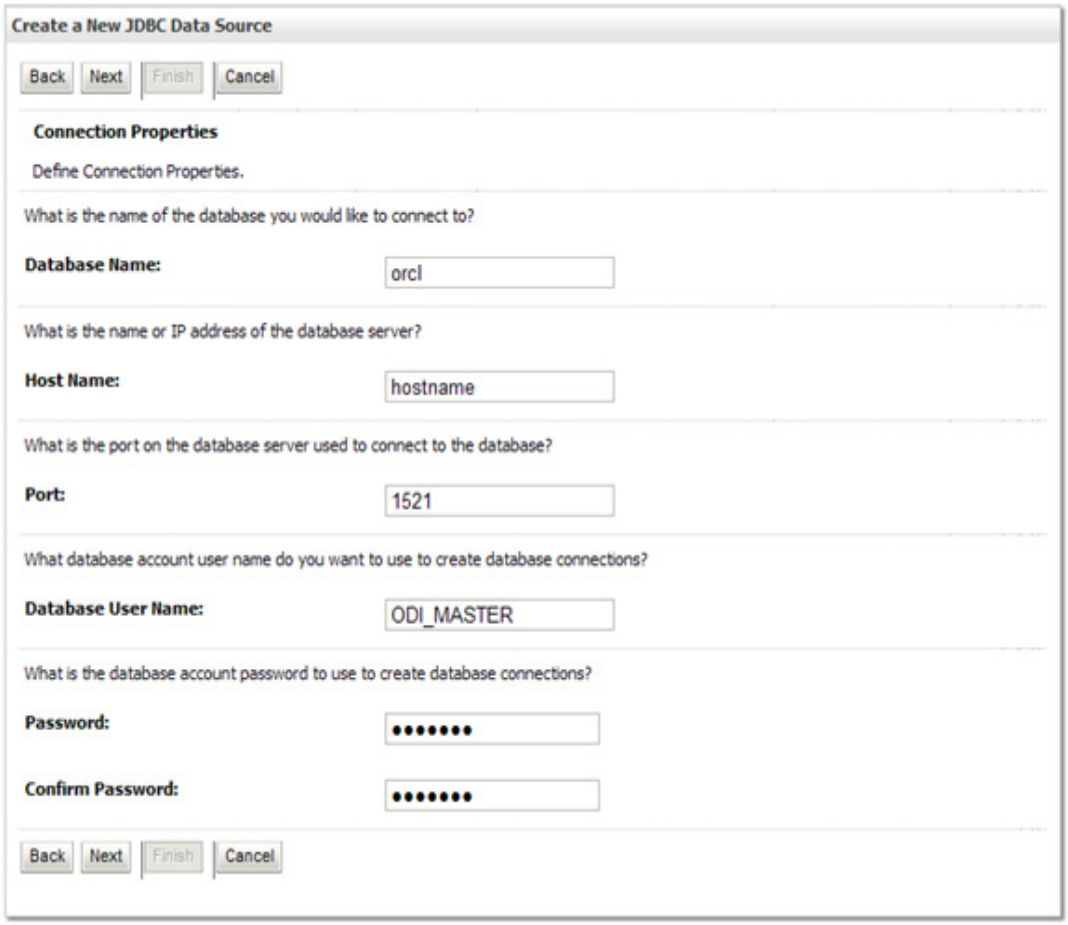


Figure 177: Select the Connection Properties

8. In the Connection Properties screen, enter the following:

   - **Database Name** - Enter the Oracle SID (e.g. **orcl)**.
   - **Host Name** - Enter the machine name of the database (this is the name of the machine on which the ODI Master Repository database schema has been created).
   - **Port** - Enter the port number used to access the database (e.g. 1521).
   - **Database User Name** - Enter the same user name (e.g. ODI_MASTER) that you specified when you created the schema for the Master Repository in *Chapter 11: Performing the ODI Post-Installation Steps* (see *Step 1: Create Master and Work Repository Schemas* on page 93).
   - **Password** - Enter the same password that you specified when you created the schema for the Master Repository in *Chapter 11: Performing the ODI Post-Installation Steps* (see *Step 1: Create Master and Work Repository Schemas* on page 93).
   - **Confirm Password** - Retype your password.

9. Click **Next**. The following screen appears.

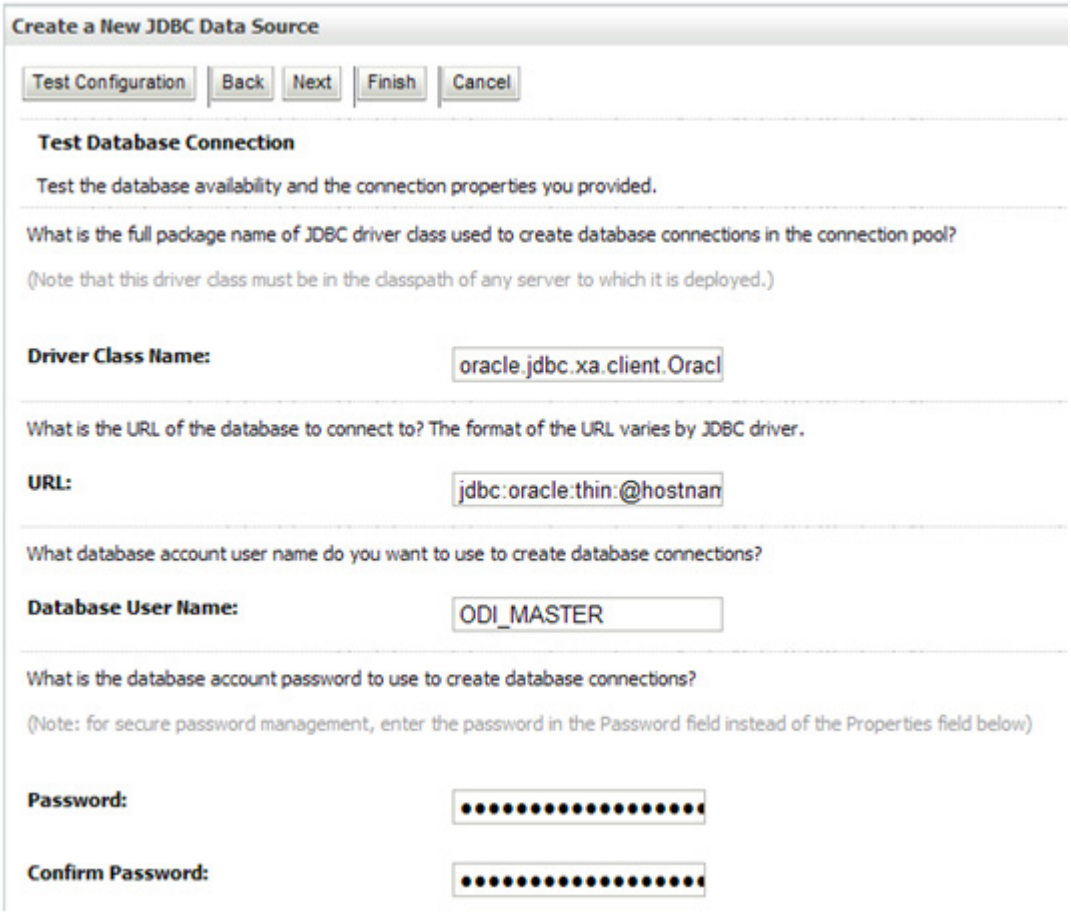


Figure 178: Test the Database Connection

10. Click the **Test Configuration** button to test the connection. A message will appear at the top of the screen to indicate that a connection to the database using the properties you provided was successful.

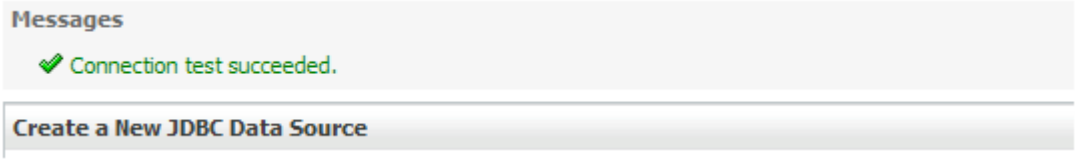


Figure 179: Successful Database Connection Message

11. Click **Next**. The following screen opens.

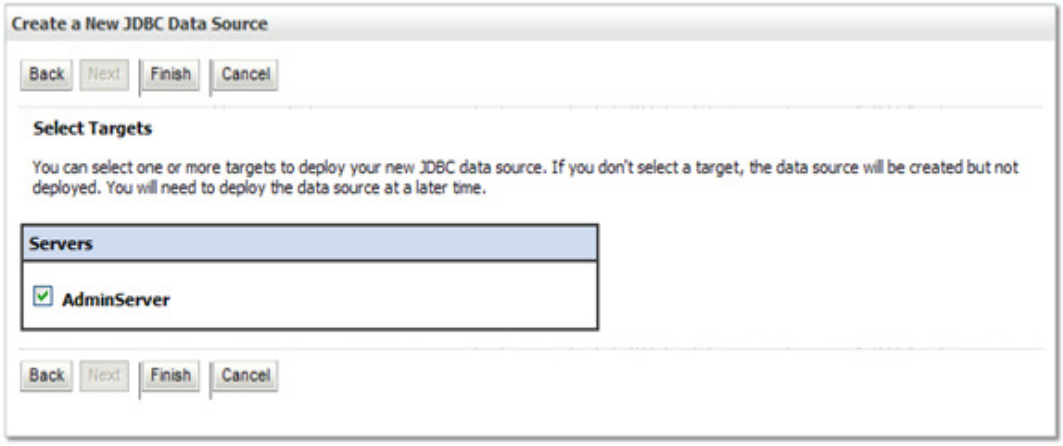


Figure 180: Select Target

12. Select the server for which the JDBC data source is to be deployed.
13. Click **Finish**. You will be returned to the Data Sources screen where the new data source will be listed.

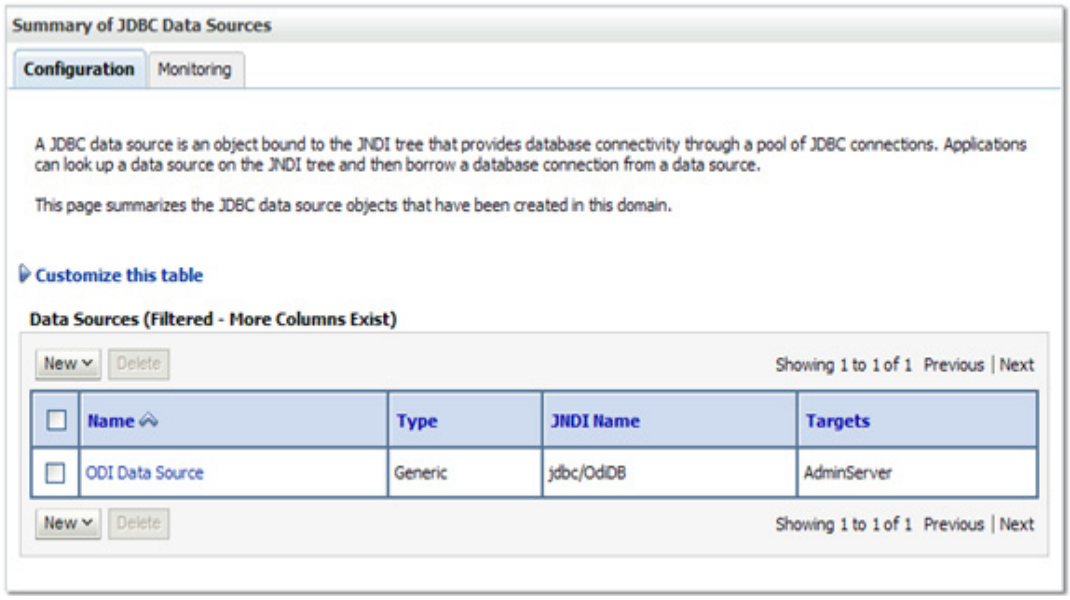


Figure 181: New Data Source

WHAT'S THE NEXT STEP IN THE INSTALLATION?

This completes the installation and configuration steps for OII.

Appendix A

HP-UX Instructions

This appendix contains the instructions for performing the following post-OII installation tasks in an HP-UX environment:

1. Setting up security coordinations for the ODI Wrapper Service.
2. Setting up security coordinations and configuring the Warehouse Palette Agent.

Setting Up Security Credentials for the ODI Wrapper Service

This section describes how to setup the security credentials for the ODI Wrapper Service in HP-UX environments.

Note Throughout this section we will be referring to the directory structure created during the OII installation. For the sake of consistency this section will refer to the default OII installation directory as **<OII_Root>**. For example:

C:\Oracle\Insight_Home\Insurance\oii\7.0.0

Step 1: Edit the csutil.properties File

1. Go to the **<OII_ROOT>\app\csutil\config** directory and locate **csutil.properties** file.
2. Open **csutil.properties** in a text editor. This file contains a single line showing the full path to **the jps-config-jse.xml** file under WebLogic.

```
CredentialStoreConfig=C:\\Oracle\\Middleware\\user_projects\\dom
ains\\<domain_name>\\config\\fmwconfig\\jps-config-jse.xml
```

Note The example above shows the default name and location of the Middleware home directory (i.e., **C:\Oracle\Middleware**) and the Domain home directory (i.e., **C:\Oracle\Middleware\user_projects\domains**) as they appear in the **csutil.properties** file. These are the default locations that were created when you installed JDeveloper and WebLogic and created the WebLogic domain back in *Chapter 3: Installing Oracle WebLogic Server and Oracle JDeveloper*.

If you specified different locations for Middleware and Domain home directories, please use those directories instead of the default ones presented in the **csutil.properties**file.

3. Change the double-forward backslashes in this file to look like the example below and then replace the **<domain_name>** with the one you created when you initially installed WebLogic. For example:

   ```
   CredentialStoreConfig=/data/oracle/middleware/user_projects/
   domains/oii_domain/config/fmwconfig/jps-config-jse.xml
   ```

4. Save and close the **csutil properties** file.

STEP 2: CREATE AND RUN THE CSUTIL.SH SCRIPT

1. Create a shell script called **csutil.sh** with the following content:

```
OII_CLASSPATH=
for i in `ls ../lib/*.jar`
do
  OII_CLASSPATH=${OII_CLASSPATH}:${i}
done

# java must be JDK1.6 and in the path
java -cp ".:${OII_CLASSPATH}" oracle.oii.csutil.CredentialStoreUtil $1 $2 $3 $4
```

2. Run **csutil.sh** at the command line.

SETTING UP SECURITY CREDENTIALS AND CONFIGURING THE WAREHOUSE PALETTE AGENT

This section describes how to edit the properties file that manage the security credentials for the Warehouse Palette agent. It also how to setup the Warehouse Palette agent to run as a Windows service.

Note Throughout this section we will be referring to the directory structure created during the OII installation. For the sake of consistency this section will refer to the default OII installation directory as **<OII_Root>**. For example:

C:\Oracle\Insight_Home\Insurance\oii\7.0.0

STEP 1: EDIT THE AGENT.PROPERTIES FILE

1. Go to the **<OII_ROOT>\app\agent\config** directory**.**
2. Open **agent.properties** in a text editor. The file contains these lines:

   ```
   CredentialStoreConfig=C:\\Oracle\\Middleware\\user_projects\\dom
   ains\\<domain_name>\\config\\fmwconfig\\jps-config-jse.xml
   JdbcUrl=jdbc:oracle:thin:@<host>:<port>:<sid>
   ```

> **Note** The example above shows the default name and location of the Middleware home directory and the Domain home directory as they appear in the **agent.properties** file. If your Middleware and Domain home directories are different, please use those directories instead of the default ones presented in the **agent.properties** file.

3. Change the double backslashes so the file looks like this:

   ```
   CredentialStoreConfig=/data/oracle/middleware/user_projects/
   domains/<domain_name>/config/fmwconfig/jps-config-jse.xml
   ```

4. In the first line, replace **<domain_name>** with the name of the domain you created when you initially installed WebLogic. For example:

   ```
   CredentialStoreConfig=/data/oracle/middleware/user_projects/
   domains/oii_domain/config/fmwconfig/jps-config-jse.xml
   ```

5. On the next line, enter the applicable <host>, <port>, and <sid> for the Oracle database.

   ```
   JdbcUrl=jdbc:oracle:thin:@<host>:<port>:<sid>
   ```

6. Save and close **agent.properties**.

STEP 2: CREATE THE WAREHOUSE PALETTE AGENT SHELL SCRIPTS

1. Create a shell script called **agent_cmd.sh** with the following content:

```
OII_CLASSPATH=
for i in `ls ../lib/*.jar`
do
  OII_CLASSPATH=${OII_CLASSPATH}:${i}
done
# java must be JDK1.6 and in the path
java -cp ".:${OII_CLASSPATH}" oracle.oii.wp.agent.Agent command=$1 lobCd=$2
```

2. Create a shell script called **agent_stop.sh** with the following content:

```
OII_CLASSPATH=
for i in `ls ../lib/*.jar`
do
  OII_CLASSPATH=${OII_CLASSPATH}:${i}
done
# java must be JDK1.6 and in the path
java -cp ".:${OII_CLASSPATH}" oracle.oii.wp.agent.Agent command=stop
```

3. Create a shell script called **agent_start.sh** with the following content:

```
OII_CLASSPATH=
for i in `ls ../lib/*.jar`
do
  OII_CLASSPATH=${OII_CLASSPATH}:${i}
done
# java must be JDK1.6 and in the path
java -cp ".:${OII_CLASSPATH}" oracle.oii.wp.agent.Agent command=start
```

4. Create a shell script called **agent_status.sh** with the following content:

```
OII_CLASSPATH=
for i in `ls ../lib/*.jar`
do
  OII_CLASSPATH=${OII_CLASSPATH}:${i}
done
# java must be JDK1.6 and in the path
java -cp ".:${OII_CLASSPATH}" oracle.oii.wp.agent.Agent command=status
```

STEP 3: TEST THE WAREHOUSE PALETTE AGENT

1. Open a command prompt and go to: **<OII_ROOT>/app/agent/bin**
2. At the command prompt, run **agent_status.sh** by typing:

   <OII_ROOT>/app/agent/bin/agent_status.sh

   This command will show the status of all LOBs in the Warehouse Palette. If there is a connection problem a message will appear identifying the problem.

STEP 4: START AND STOP THE WAREHOUSE PALETTE AGENT

1. Open a command prompt and go to: **<OII_ROOT>/app/agent/bin**
2. Start the agent:

   <OII_ROOT>/app/agent/bin/ nohup agent_start.sh
3. Open a new window and stop the agent:

   <OII_ROOT>/app/agent/bin/agent_stop.sh

Appendix B

Scheduling the Warehouse Palette Agent as a Windows Service

This appendix describes how to setup the Warehouse Palette agent to run as a Windows service.

1. On your computer, open the **Control Panel** and select **Scheduled Task**s from the list of options.
2. Click on **Add Scheduled Tasks.** This will open the Scheduled Task Wizard.

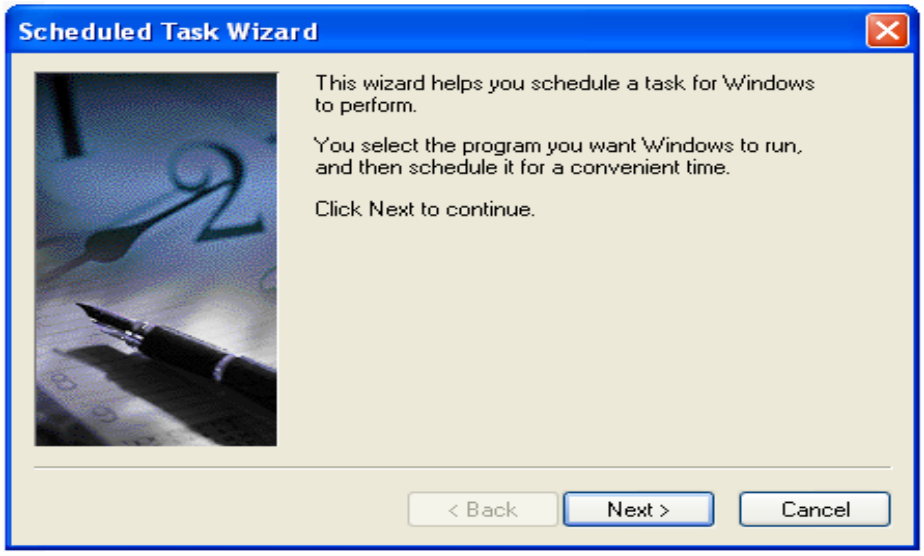


Figure 182: Scheduled Task Wizard

3. Click **Next**. The Browse window opens.

Figure 183: Locate agent_start

4. Use the **Browse** button to find and select Warehouse Palette agent startup file:

   <OII_ROOT>\app\agent\bin\agent_start.bat

   For example:

   C:\Oracle\Insight_Home\Insurance\oii\7.0.0\app\agent\bin\agent_start.bat

   The file name (**agent_start**) will appear in the following window.

Figure 184: Schedule Time to Run agent_start

5. Select **When my computer starts** from the choice list and click **Next**. The following window appears.

Figure 185: User Name and Password

6. Enter a user name and password of your choice and click **Next**. The following window appears:

Figure 186: Finish Window

7. Click **Finish**. The **agent_start** file will appear in the list of scheduled tasks. The Warehouse Palette agent will now start when your computer starts.

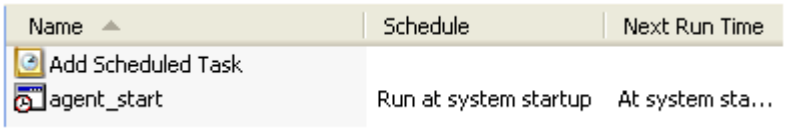


Figure 187: agent_start is Scheduled

Note You can also start the Warehouse Palette agent by right-clicking on **agent_start** in this window and selecting Run from the pop up menu.

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