

Rapid Deployment of Oracle Hyperion Financial Close Management Domain for Release 11.1.2.2.000

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About This Document

This document presents recommended steps to build a typical Oracle® Hyperion Financial Close Management, Fusion Edition, development environment comprising the following products on one server running Microsoft Windows.

- Financial Close Management
- Required products including Oracle Database and Oracle WebLogic Server.
- Deployment Requirements

Deployment Requirements

Server

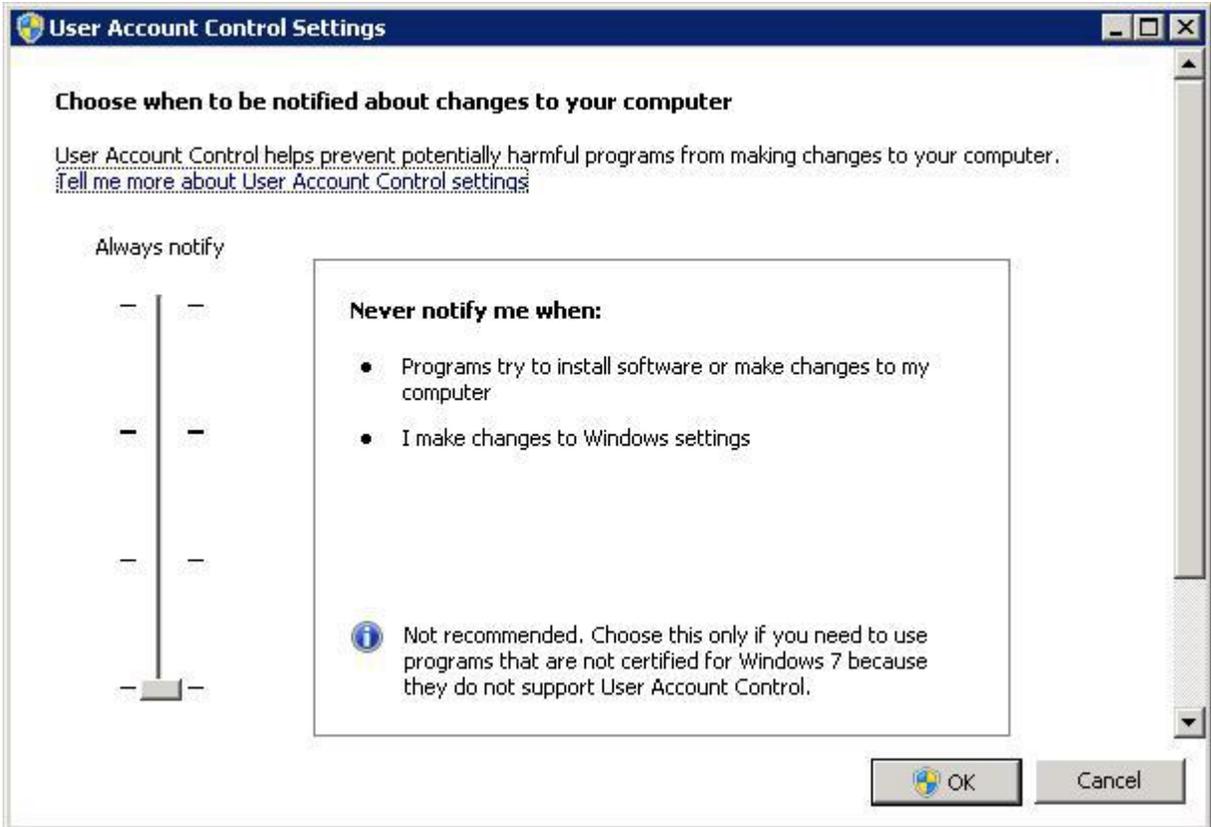
Table 1 Server Requirements

Server Operating System	Windows 2008 R2 x64
Processor	Quad core
Memory	16 GB RAM
Disk	200 GB Disk
Other Software	A program, such as 7-Zip or WinZip, to extract the contents of media packs

Disabling User Account Control

To turn off user account control:

1. Log on to the server using the deployment account (the admin user account to install EPM).
2. On the server, click Start, and then Control Panel.
3. In Control Panel, click User Accounts, and then User Accounts.
4. In Make Changes to your user account, click Change User Account Control settings.
5. Drag the user account control slider to Never Notify.



6. Click **OK**.

IPv6 Network

This is prerequisites to test IPv6 Network on your environment. If your machine has IPv6 turned on then you have to make sure IPv6 routing is properly working in your network. If your network doesn't support IPv6 then you have to turn off IPv6 device(s) before you start EPM installation.

IPv6 network testing

- Run **ipconfig /all** from Command Prompt.

```

Administrator: Command Prompt
C:\Users\Administrator>ipconfig /all_

```

- If there is any device using IPv6 such as the following example then you need to test IPv6 connection from other remote machine.

```

Select Administrator: Command Prompt
Media State . . . . . : Media disconnected
Connection-specific DNS Suffix . . : 
Description . . . . . : Microsoft ISATAP Adapter
Physical Address. . . . . : 00-00-00-00-00-00-E0
DHCP Enabled. . . . . : No
Autoconfiguration Enabled . . . . : Yes

Tunnel adapter Teredo Tunneling Pseudo-Interface:
Connection-specific DNS Suffix . . : 
Description . . . . . : Teredo Tunneling Pseudo-Interface
Physical Address. . . . . : 00-00-00-00-00-00-E0
DHCP Enabled. . . . . : No
Autoconfiguration Enabled . . . . : Yes
IPv6 Address. . . . . : 2001:0:1110000f:76:38e1:3aa0:f56a:9a52(Preferred)
Link-local IPv6 Address . . . . . : fe80::33c1:3aa0:f56a:9a52%13(Preferred)
Default Gateway . . . . . : ::
NetBIOS over Tcpip. . . . . : Disabled

C:\Users\Administrator>_

```

- From other remote machine, ping your machine (Machine A) from a Command Prompt as follows:
ping -6 <Machine A> where <Machine A> is the name or IP Address of your machine.

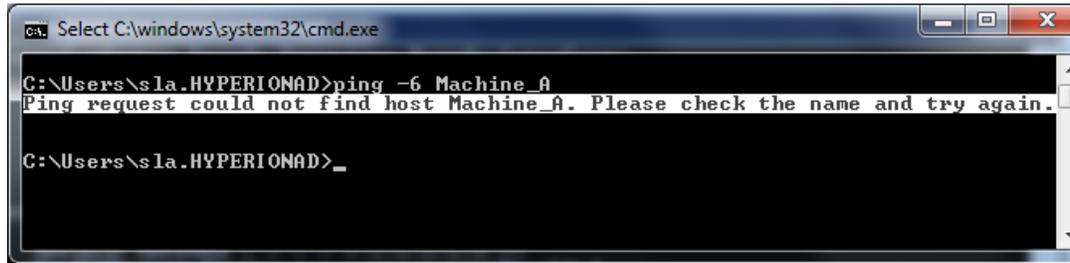
```

Select C:\windows\system32\cmd.exe
C:\Users\s1a.HYPERIONAD>ping -6 Machine_A_

```

- If ping returns **Ping request could not find host <Machine A>** then your network

doesn't support IPv6 and you must turn off IPv6 before you start EPM installation.

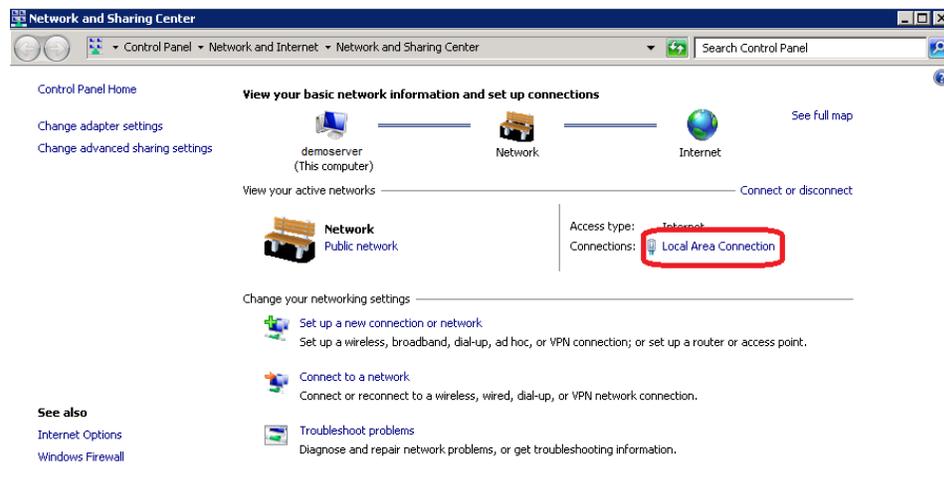


```
C:\Users\s1a.HYPERIONAD>ping -6 Machine_A
Ping request could not find host Machine_A. Please check the name and try again.

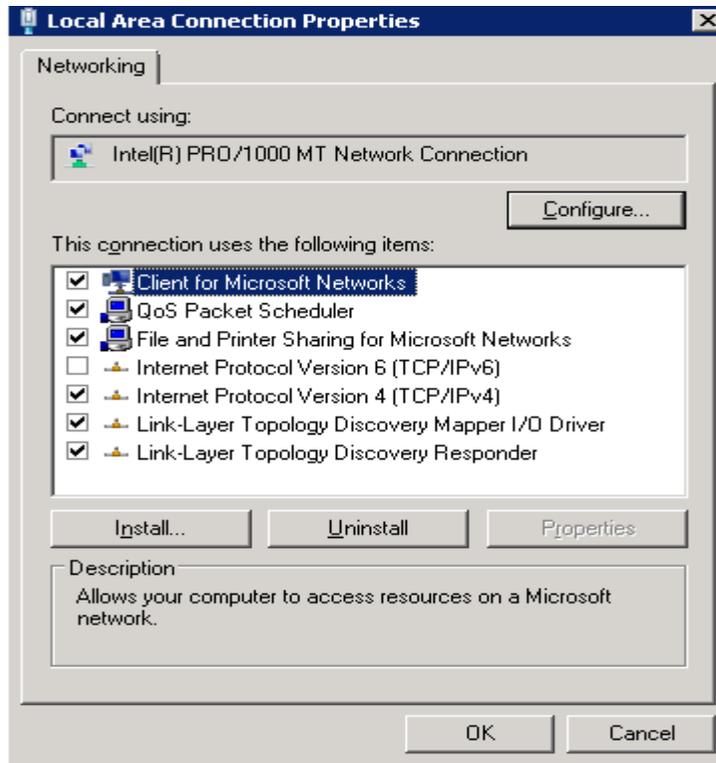
C:\Users\s1a.HYPERIONAD>
```

Turning Off IPv6

- From Local Area Connection Properties, unchecked IPv6:
 - a. From the **Start** menu, right click on Network and click on Properties.



- b. From **Network and Sharing Center** screen, click on **Local Area Connection**
- c. From **Local Area Connection Properties**, clear IPv6.



- From Command Prompt, run **ipconfig /all** and check if there is no process using IPv6 (this check has to done every time you restart the machine).

For example the following illustrates Teredo is still using IPv6

```

C:\>Select Administrator: Command Prompt

Media State . . . . . : Media disconnected
Connection-specific DNS Suffix . . . . . : 
Description . . . . . : Microsoft ISATAP Adapter
Physical Address. . . . . : 00-00-00-00-00-00-E0
DHCP Enabled. . . . . : No
Autoconfiguration Enabled . . . . . : Yes

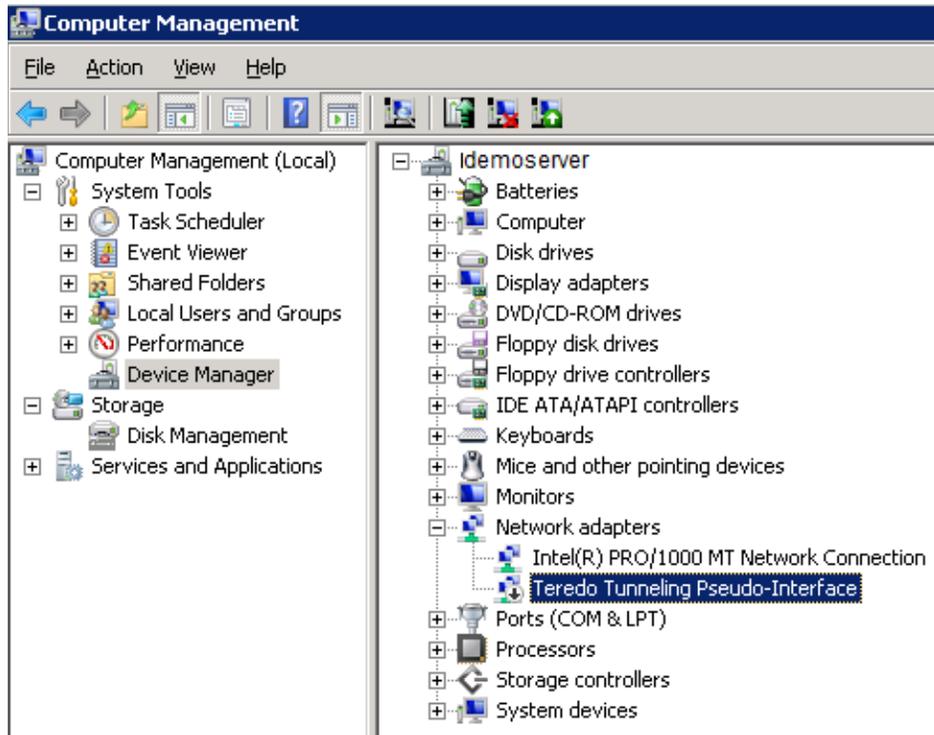
Tunnel adapter Teredo Tunneling Pseudo-Interface:

Connection-specific DNS Suffix . . . . . : 
Description . . . . . : Teredo Tunneling Pseudo-Interface
Physical Address. . . . . : 00-00-00-00-00-00-E0
DHCP Enabled. . . . . : No
Autoconfiguration Enabled . . . . . : Yes
IPv6 Address. . . . . : 2001:0:1110000f:76:38e1:3aa0:f56a:9a52(Pre
erred)
Link-local IPv6 Address . . . . . : fe80::38e1:3aa0:f56a:9a52%13(Preferred)
Default Gateway . . . . . : 
NetBIOS over Tcpip. . . . . : Disabled

C:\Users\Administrator>_

```

- To disable devices using IPv6 do the following
 - a. From the Start menu, Click **Administrative Tools**, and then **Computer Management**
 - b. Go to Device Manager
 - c. Form View menu, click **Show hidden devices**
 - d. Expand Network adapters
 - e. Right click on **Teredo Tunneling Pseudo-Interface** (or any other device that is using IPv6) and disable it



- Run **ipconfig /all** again from the Command Prompt to make sure there are no longer any devices using IPv6. If you find more then repeat above steps to turn it off until there is no device using IPv6.

Deployment Process

The deployment process involves the following steps and takes approximately six hours:

Step 1: [Downloading Installation Files](#) (approximately 50 minutes)

Step 2: [Installing and Configuring the Database](#) (approximately 20 minutes)

Step 3: [Installing and Configuring EPM System](#) (approximately 170 minutes)

Step 4: [Configuring Oracle Data Integrator and ERPI for Account Reconciliation Manager](#) (approximately 120 minutes)

Step 1: Downloading Installation Files

To download media packs from the Oracle Software Delivery Cloud:

1. Create two folders named EPM_rapid_downloads and EPM_rapid_unzipped on your server. The file path should not contain spaces.
2. Using a browser, go to <http://edelivery.oracle.com>.
3. In the Oracle Software Delivery Cloud, click Sign In/Register.
4. In Sign In, enter the Oracle Software Delivery Cloud user name and password, and then click Sign In.
5. On Terms & Restrictions, read and accept the Trial License and Export Restrictions agreements, and then click Continue.

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YES, I accept these Export Restrictions

[Continue](#)

6. Download part numbers to install Oracle Database 11g
 1. In Media Pack Search, search for Oracle Database product pack for Microsoft Windows x64 (64-bit), and then select Go.
 2. From Results section, select Oracle Database 11g Release 2 (11.2.0.1.0) Media Pack for Microsoft Windows x64 (64-bit), and then click Continue.

Media Pack Search

Instructions

1. Review the [License List](#) to determine which Product Pack or Packs you need to download.
2. Select the Product Pack and Platform and click "Go".
3. If there is only one result, you will see the download page. If there are multiple results, select one and click "Continue".

Select a Product Pack 

Platform

Results

Select	Description	Release	Part Number	Updated	# Parts / Size
<input type="radio"/>	Oracle In-Memory Database Cache 11g Release 2 (11.2.2.2.0) Media Pack for Microsoft Windows x64 (64-bit)	11.2.2.2.0	B65977-01	JAN-11-2012	1 / 200M
<input type="radio"/>	Oracle TimesTen In-Memory Database 11g Release 2 (11.2.2.2.0) Media Pack for Microsoft Windows x64 (64-bit)	11.2.2.2.0	B65995-01	JAN-11-2012	1 / 200M
<input type="radio"/>	Oracle In-Memory Database Cache 11g (11.2.1.9.0) Media Pack for Microsoft Windows x64 (64-bit)	11.2.1.9.0	B67081-01	APR-03-2012	1 / 182M
<input type="radio"/>	Oracle TimesTen In-Memory Database 11g (11.2.1.9.0) Media Pack for Microsoft Windows x64 (64-bit)	11.2.1.9.0	B67107-01	APR-03-2012	1 / 182M
<input checked="" type="radio"/>	Oracle Database 11g Release 2 (11.2.0.1.0) Media Pack for Microsoft Windows x64 (64-bit)	11.2.0.1.0	B58804-03	DEC-21-2011	19 / 11G
<input type="radio"/>	Oracle® Database 11g Release 1	11.1.0.6.0	B36934-11	DEC-28-2011	21 /

3. Download the following part numbers to EPM_rapid_downloads:

Table 2: Database Part Numbers to Download

Part Number	Name
V20610-01 Part 1 of 2	Oracle Database 11g Release 2 (11.2.0.1.0) for Microsoft Windows x64 (64-bit) (Part 1 of 2)
V20610-01 Part 2 of 2	Oracle Database 11g Release 2 (11.2.0.1.0) for Microsoft Windows x64 (64-bit) (Part 2 of 2)



Oracle Database 11g Release 2 (11.2.0.1.0) Media Pack for Microsoft Windows x64 (64-bit)

[Back](#) [Search Again](#)

TIP View the Readme file(s) to help decide which files you need to download.

Print this page with the list of downloadable files. It contains a list of the part numbers and their corresponding description that you may need to reference during the installation process.

Frequently Asked Questions

- [How do I know which files are required?](#)
- [What are the disk space requirements?](#)
- [How do I get my license code?](#)
- [More...](#)

Oracle Database 11g Release 2 (11.2.0.1.0) Media Pack v2 for Microsoft Windows x64 (64-bit)

[Readme](#) [View Digest](#)

Select	Name	Part Number	Size (Bytes)
Download	Oracle Database 11g Release 2 (11.2.0.1.0) for Microsoft Windows x64 (64-bit) (Part 1 of 2)	V20610-01 Part 1 of 2	1.2G
Download	Oracle Database 11g Release 2 (11.2.0.1.0) for Microsoft Windows x64 (64-bit) (Part 2 of 2)	V20610-01 Part 2 of 2	961M
Download	Oracle Database 11g Release 2 Grid Infrastructure (11.2.0.1.0) for Microsoft Windows x64 (64-bit)	V20612-01	682M

7. Download part numbers to install Oracle Hyperion Enterprise Performance Management System Oracle Hyperion Financial Close Management, Fusion Edition domain.
 - a. From the browser, navigate back to Media Pack Search.
 - b. In Media Pack Search, search for Oracle Enterprise Performance Management System for Microsoft Windows x64 (64-bit) platform, and then select Go to start the search.
 - c. In Results, select Oracle Enterprise Performance Management (11.1.2.2.0) Media Pack for Microsoft Windows x64 (64-bit), and then click Continue.

Media Pack Search

Instructions

1. Review the [License List](#) to determine which Product Pack or Packs you need to download.
2. Select the Product Pack and Platform and click "Go".
3. If there is only one result, you will see the download page. If there are multiple results, select one and click "Continue".

Select a Product Pack ?

Platform

Go

Results

Select	Description	Release	Part Number	Updated	# Parts / Size
<input checked="" type="radio"/>	Oracle Enterprise Performance Management System (11.1.2.2.0) Media Pack for Microsoft Windows x64 (64-bit)	11.1.2.2.0	B67263-01	APR-10-2012	23 / 18G
<input type="radio"/>	Oracle Enterprise Performance Management (11.1.2.1.0) Media Pack for Microsoft Windows x64 (64-bit)	11.1.2.1.0	B63116-10	MAR-16-2012	64 / 21G
<input type="radio"/>	Oracle Enterprise Performance Management (11.1.1.4.0) Media Pack for Microsoft Windows x64 (64-bit)	11.1.1.4.0	B64750-06	MAR-16-2012	39 / 14G
<input type="radio"/>	Oracle Enterprise Performance Management (11.1.1.3.0) Media Pack for Microsoft Windows x64 (64-bit)	11.1.1.3.0	B55837-16	FEB-07-2012	37 / 14G

Total: 4

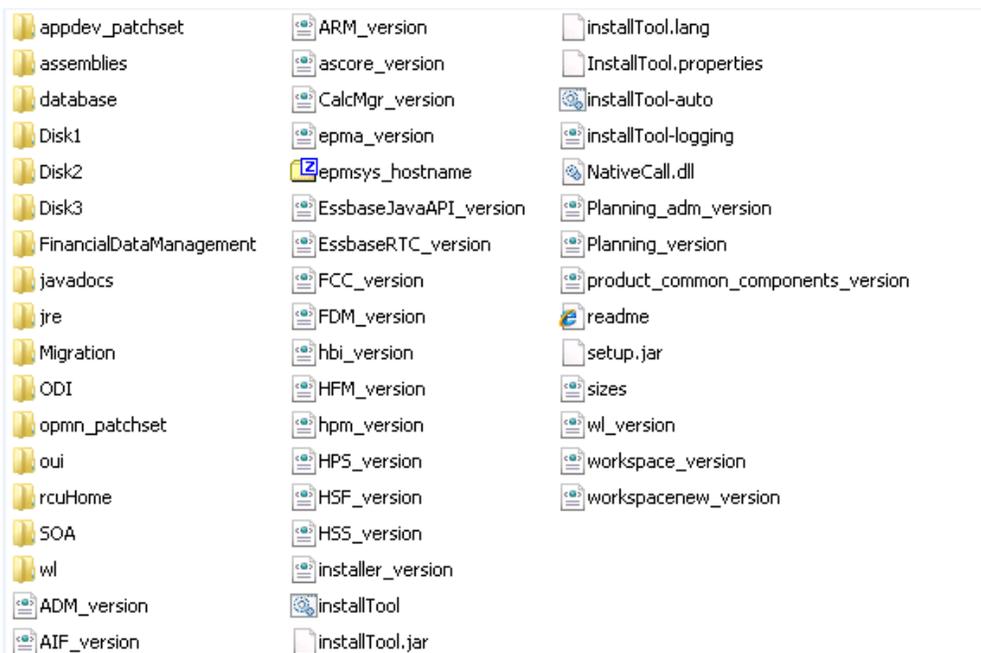
Continue

- d. Download the following part numbers to EPM_rapid_downloads:

Table 3 EPM System Part Numbers to Download

Part Number	Name
V31875-01	EPM System Release 11.1.2.2.0 for Microsoft Windows (64-bit) Part 1
V31876-01	EPM System Release 11.1.2.2.0 for Microsoft Windows (64-bit) Part 2
V31922-01	EPM System Release 11.1.2.2.0 for Microsoft Windows (64-bit) Part 3
V31877-01	EPM System Release 11.1.2.2.0 for Microsoft Windows (64-bit) Part 4
V31878-01	EPM System Release 11.1.2.2.0 for Microsoft Windows (64-bit) Part 5
V29672-01 Part 1 of 2	Oracle SOA Suite 11g Patch Set 5 (11.1.1.6.0) (Part 1 of 2)
V29672-01 Part 2 of 2	Oracle SOA Suite 11g Patch Set 5 (11.1.1.6.0) (Part 2 of 2)
V29675-01	Oracle Fusion Middleware Repository Creation Utility 11g (11.1.1.6.0) for Microsoft Windows
V29762-01 Part 1 of 2	Oracle Data Integrator 11g (11.1.1.6.0) for Generic (Part 1 of 2)
V29762-01 Part 2 of 2	Oracle Data Integrator 11g (11.1.1.6.0) for Generic (Part 2 of 2)

8. Using a program, for example 7-Zip, extract the contents of the downloaded media packs:
- V29672-01_1of2.zip and V29672-0_2of2.zip into the EPM_rapid_unzipped\SOA\ folder;
 - V29762-01_1of2.zip and V29762-01_2of2.zip into the EPM_rapid_unzipped\ODI\ folder;
 - All other packs into the root of EPM_rapid_unzipped. You will be warned about overwriting some files. Select Yes.

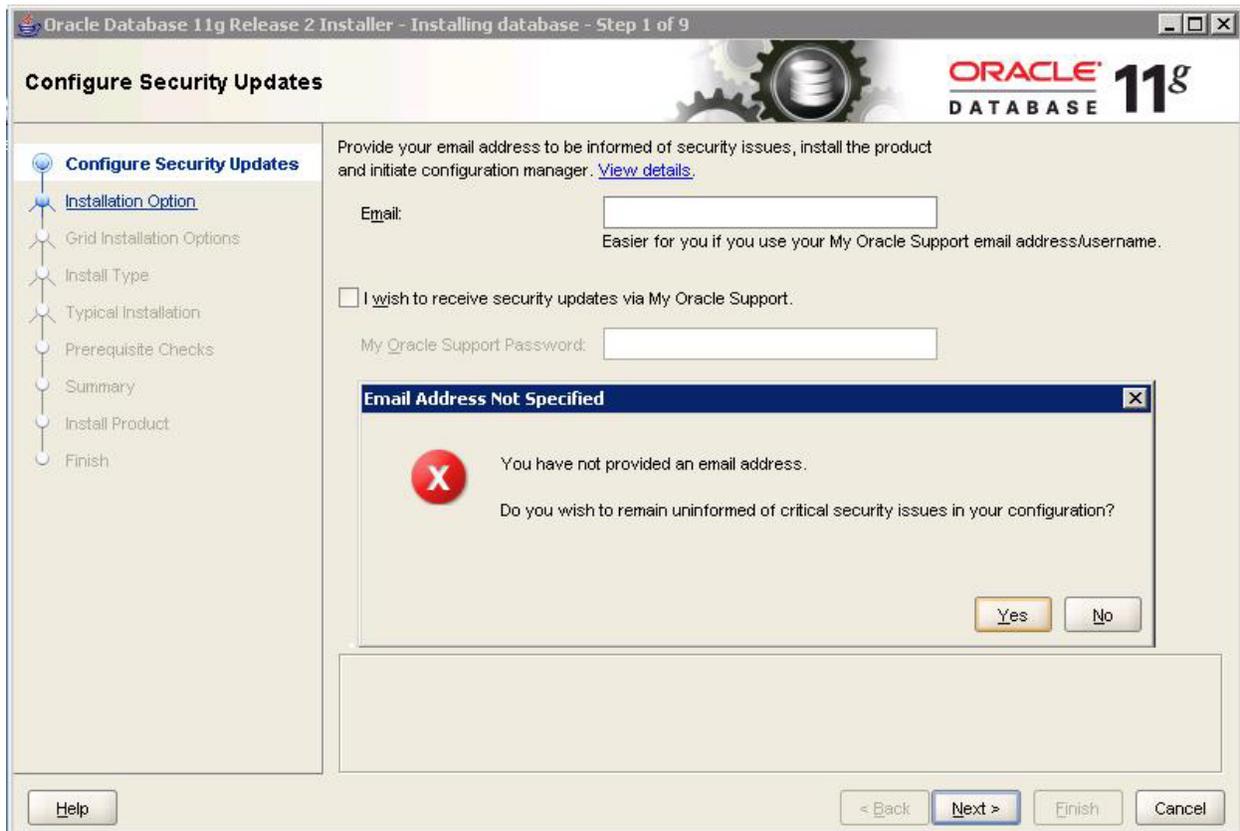


Step 2: Installing and Configuring the Database

To install and configure Oracle Database:

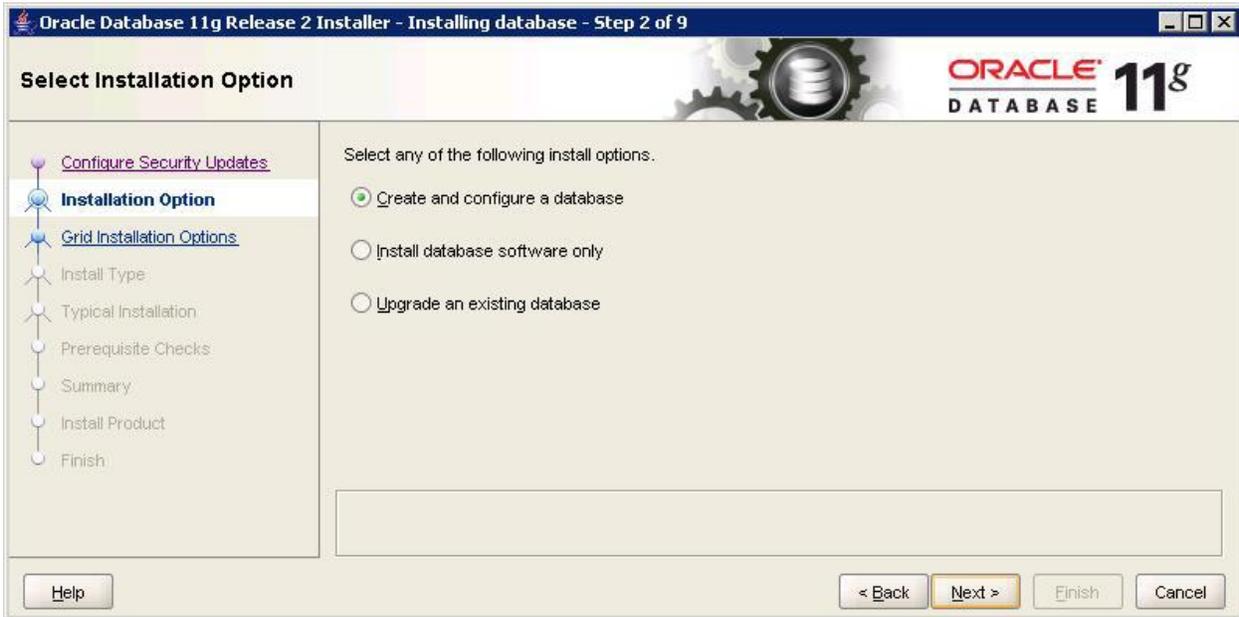
1. Using Windows Explorer, navigate to EPM_rapid_unzipped\database, and then double-click setup.exe to launch the installer.
2. In **Configure Security Updates**, uncheck **I wish to receive security updates via My Oracle Support**, and then select **Next**.

A warning that you did not provide an email address is displayed.

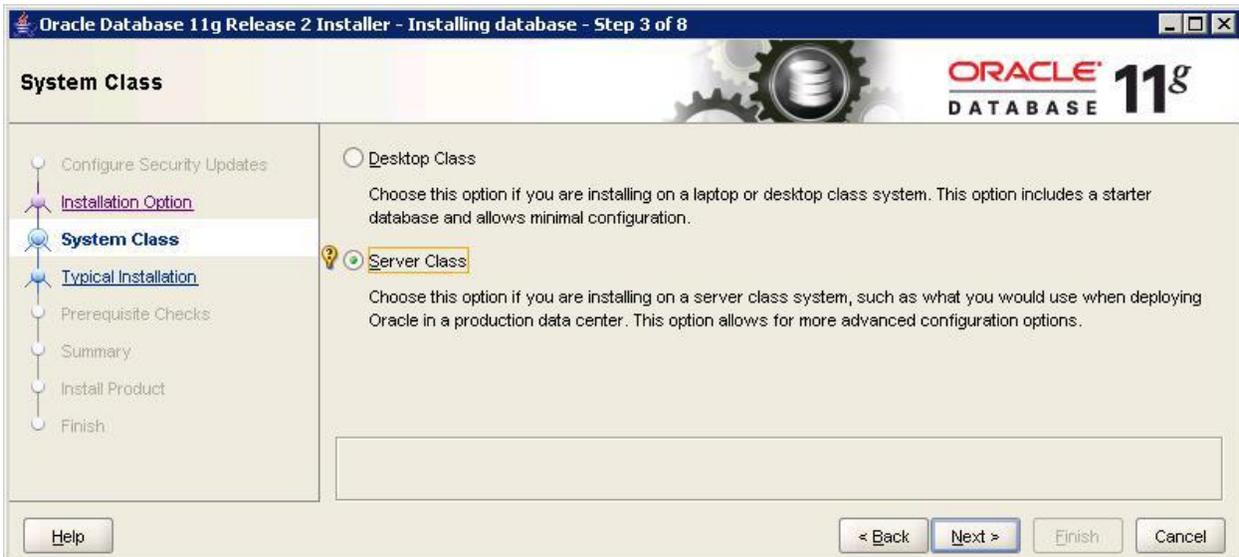


3. In **Email Address Not Specified**, click **Yes**.

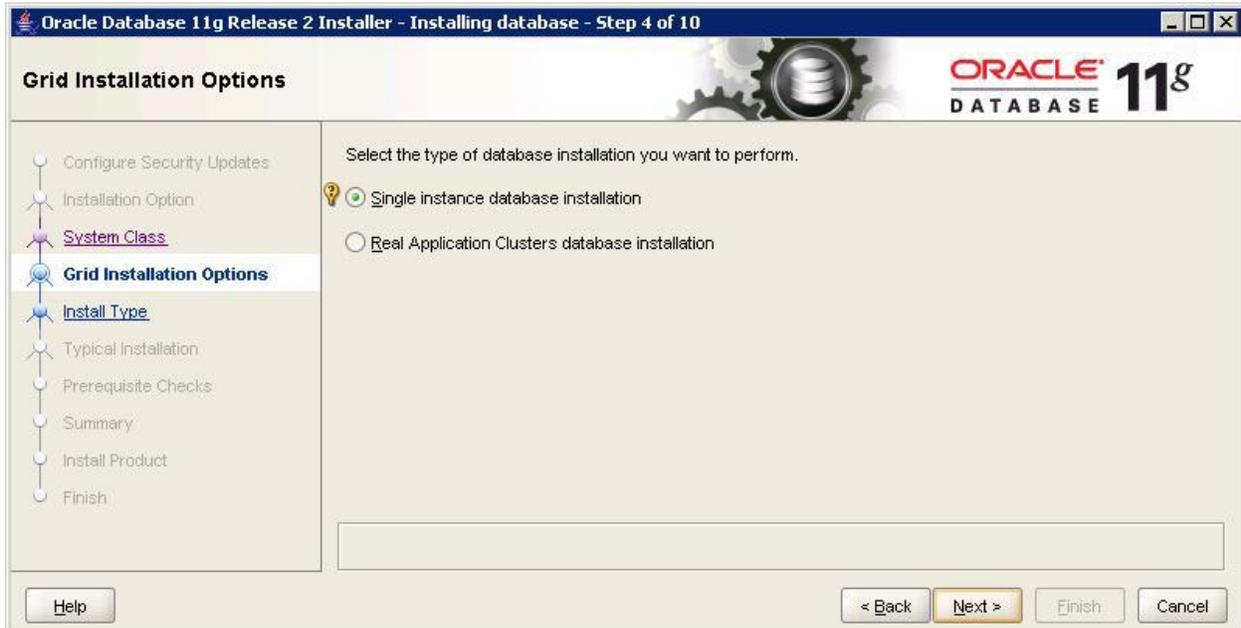
4. In **Select Installation Option**, ensure that **Create and configure a database** is selected, and then click **Next**.



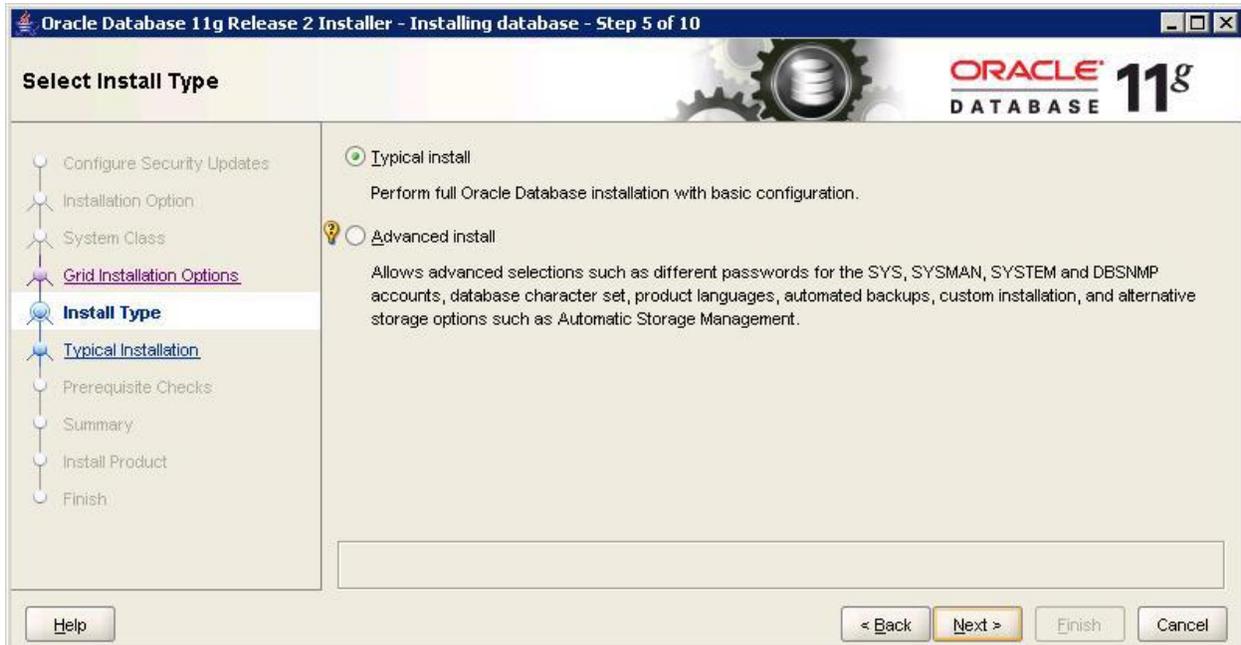
5. In **System Class**, select **Server Class**, and then click **Next**.



6. In **Grid Installation Options**, select **Single instance database installation**, and then click **Next**.



7. In **Select Install Type**, ensure that **Typical install** is selected, and then click **Next**.



8. In **Typical Install Configuration**, enter the following information. Keep the default values for all other fields, then click **Next**.

- **Database Edition**—Select **Standard Edition One (3.29 GB)**.
- **Global Database Name**— Enter Database System ID (SID) to uniquely identify the database on a system. Make sure that SID doesn't contain dots.

For example: epmrapid

- **Administrative Password**—Enter a password (it will be password for sys user).
- **Confirm Password**—Reenter the password.

Oracle Database 11g Release 2 Installer - Installing database - Step 6 of 10

Typical Install Configuration

Perform full Database installation with basic configuration.

Oracle base: C:\app\epmrapid Browse

Software location: C:\app\epmrapid\product11.2.0\dbhome_1 Browse

Storage type: File System

Database file location: C:\app\epmrapid\oradata Browse

ASM(SNMP) Password:

Database edition: Standard Edition One (3.29GB)

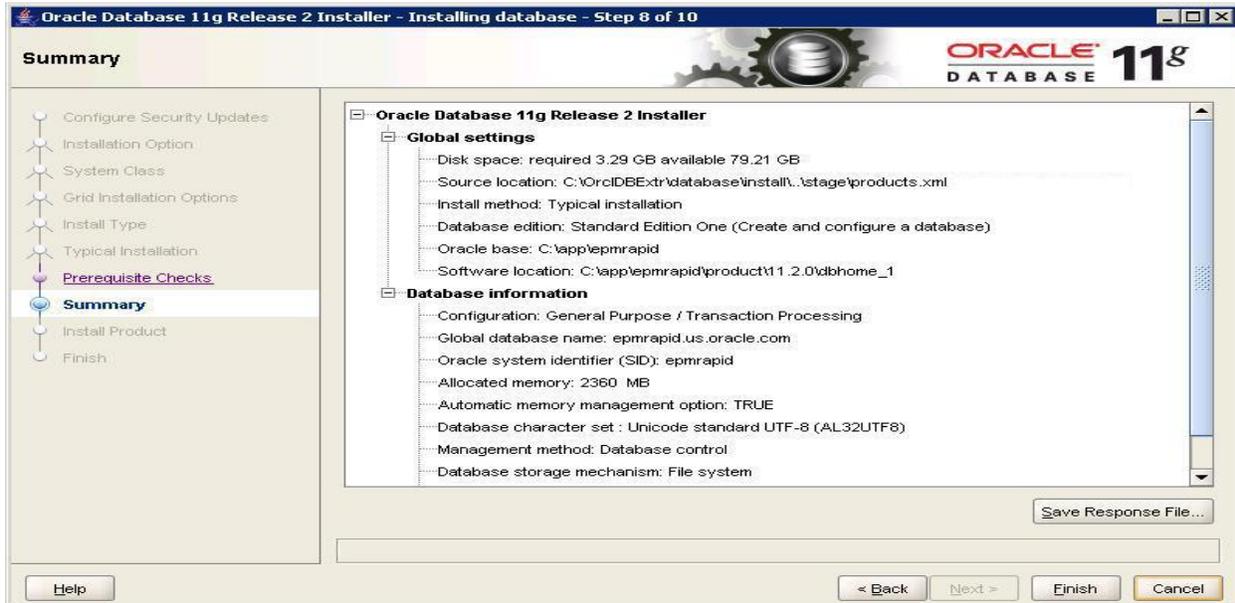
Global database name: epmrapid

Administrative password: *****

Confirm Password: *****

Help < Back Next > Finish Cancel

9. In **Summary**, click **Finish**.



10. In **Install Product**, click **Finish**.



11. After completing the installation process, the installer runs the Database Configuration Assistant.



12. In **Database Configuration Assistant** summary, click **OK**.

13. In **Oracle Database 11g Release 2 Installer**, click **Close**.

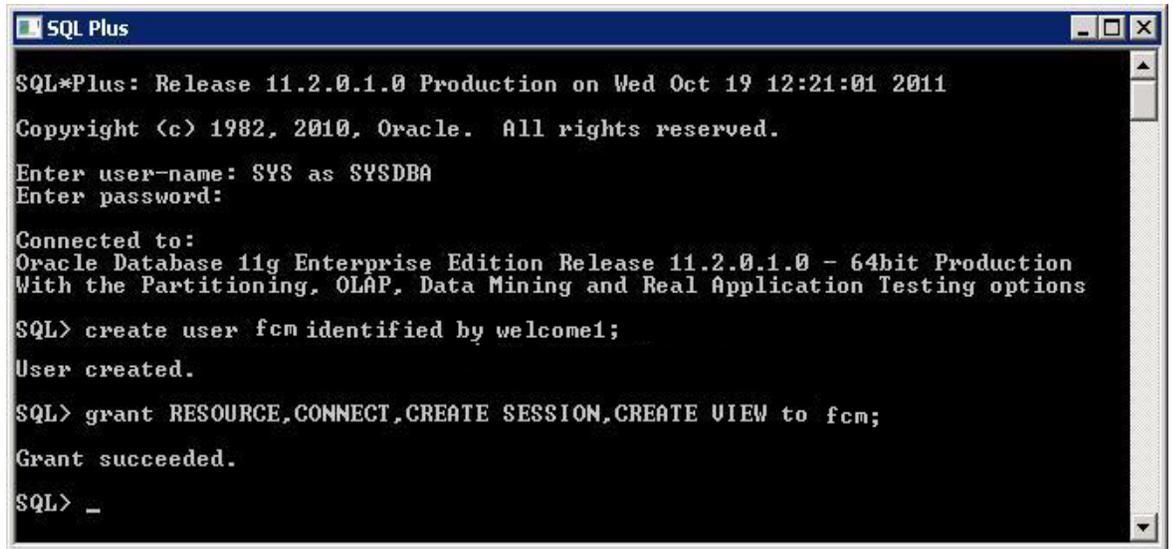
14. Create database user fcm, who will use default table space, and update database parameter values.

- a. On your server, select **Start**, then **All Programs**, then **Oracle - OraDb 11g_home1**, then **Application Development**, and then **SQL Plus**.
- b. For **Enter user name**, enter SYS as SYSDBA.
- c. For **Password**, enter the sys user password.
- d. Create a database user named **fcm**, and assign roles and privileges.
 - i. Execute the following statement.

```
create user fcm identified by welcome1;
```

- ii. Grant CONNECT and RESOURCE roles, and CREATE SESSION and CREATE VIEW privileges to fcm by entering the following command:

```
grant RESOURCE,CONNECT,CREATE SESSION,CREATE VIEW to fcm;
```



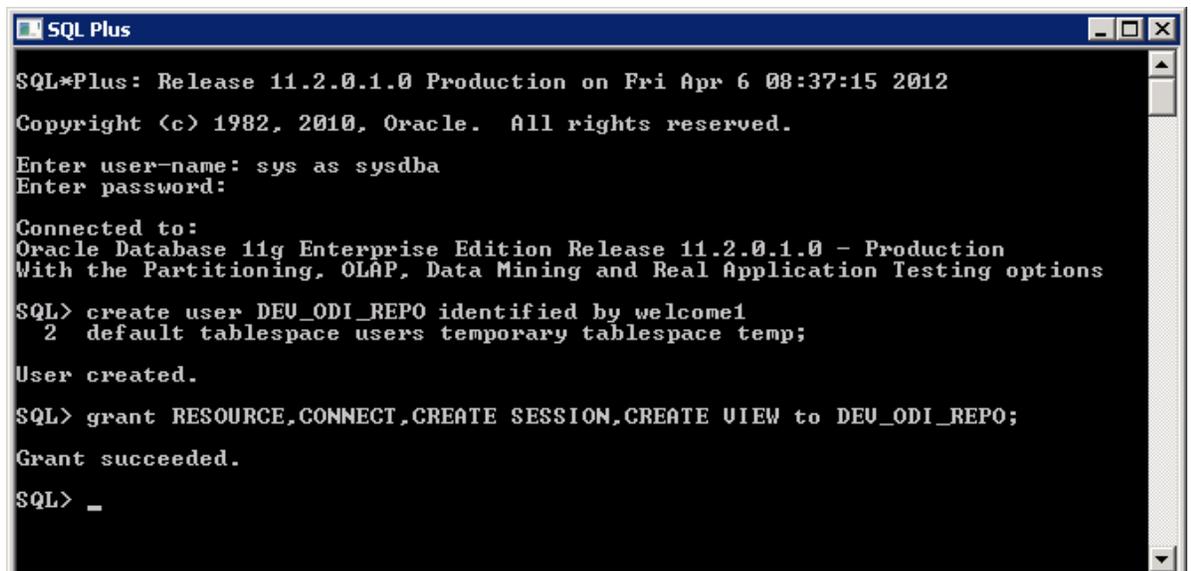
```
SQL*Plus: Release 11.2.0.1.0 Production on Wed Oct 19 12:21:01 2011
Copyright (c) 1982, 2010, Oracle. All rights reserved.
Enter user-name: SYS as SYSDBA
Enter password:
Connected to:
Oracle Database 11g Enterprise Edition Release 11.2.0.1.0 - 64bit Production
With the Partitioning, OLAP, Data Mining and Real Application Testing options
SQL> create user fcm identified by welcome1;
User created.
SQL> grant RESOURCE,CONNECT,CREATE SESSION,CREATE VIEW to fcm;
Grant succeeded.
SQL> _
```

- e. Create a database user named **DEV_ODI_REPO** (for ODI master repository), and assign roles and privileges
 - i. Execute the following statement.

```
create user DEV_ODI_REPO identified by welcome1
default tablespace users temporary tablespace temp;
```

- ii. Grant CONNECT and RESOURCE roles, and CREATE SESSION and CREATE VIEW privileges to DEV_ODI_REPO by entering the following command:

```
grant RESOURCE,CONNECT,CREATE SESSION,CREATE VIEW to
DEV_ODI_REPO;
```



```
SQL*Plus: Release 11.2.0.1.0 Production on Fri Apr 6 08:37:15 2012
Copyright (c) 1982, 2010, Oracle. All rights reserved.
Enter user-name: sys as sysdba
Enter password:
Connected to:
Oracle Database 11g Enterprise Edition Release 11.2.0.1.0 - Production
With the Partitioning, OLAP, Data Mining and Real Application Testing options
SQL> create user DEV_ODI_REPO identified by welcome1
2 default tablespace users temporary tablespace temp;
User created.
SQL> grant RESOURCE,CONNECT,CREATE SESSION,CREATE VIEW to DEV_ODI_REPO;
Grant succeeded.
SQL> _
```

- f. Modify the database processes and sessions parameters by executing the following statements:

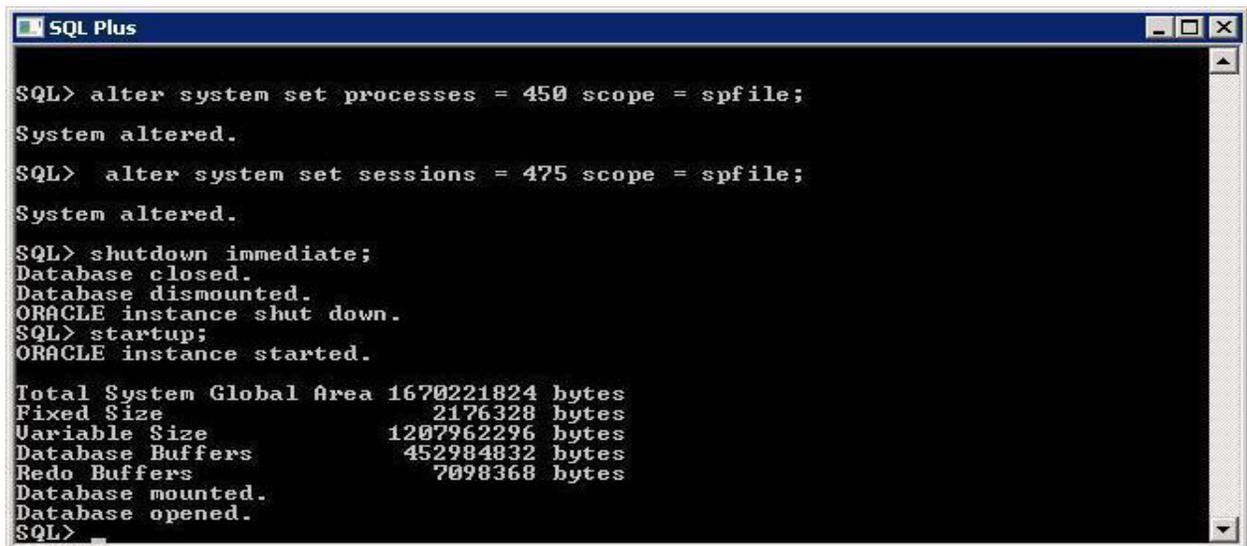
```
alter system set processes = 450 scope = spfile;
```

```
alter system set sessions = 475 scope = spfile;
```

- g. Shutdown and then restart the database using the following commands:

```
shutdown immediate;
```

```
startup;
```



```
SQL Plus
SQL> alter system set processes = 450 scope = spfile;
System altered.
SQL> alter system set sessions = 475 scope = spfile;
System altered.
SQL> shutdown immediate;
Database closed.
Database dismounted.
ORACLE instance shut down.
SQL> startup;
ORACLE instance started.

Total System Global Area 1670221824 bytes
Fixed Size                 2176328 bytes
Variable Size             1207962296 bytes
Database Buffers          452984832 bytes
Redo Buffers               7098368 bytes
Database mounted.
Database opened.
SQL>
```

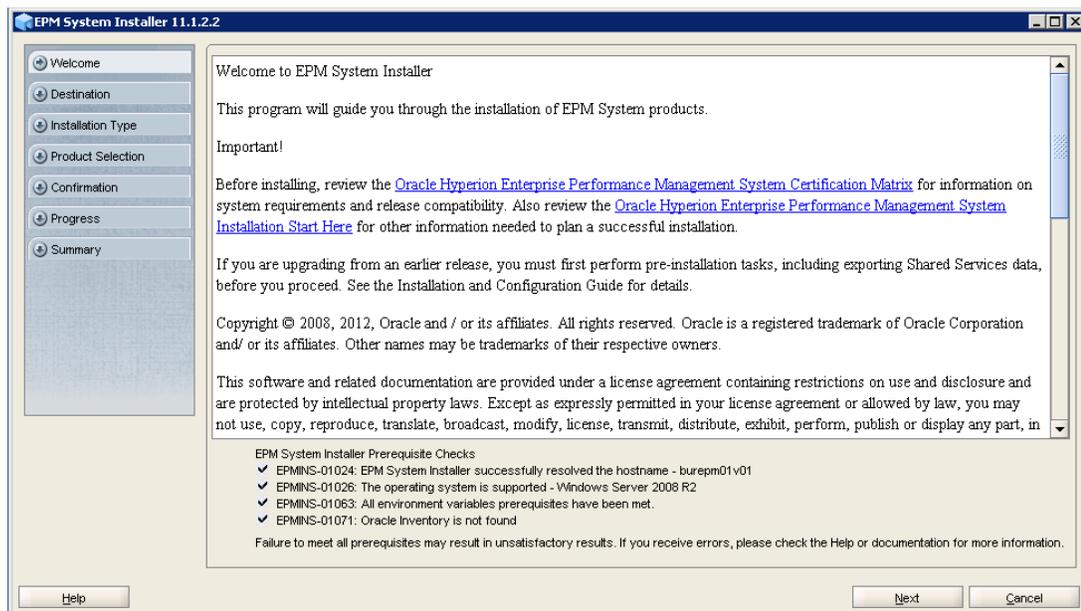
Step 3: Installing and Configuring EPM System

To install EPM System files:

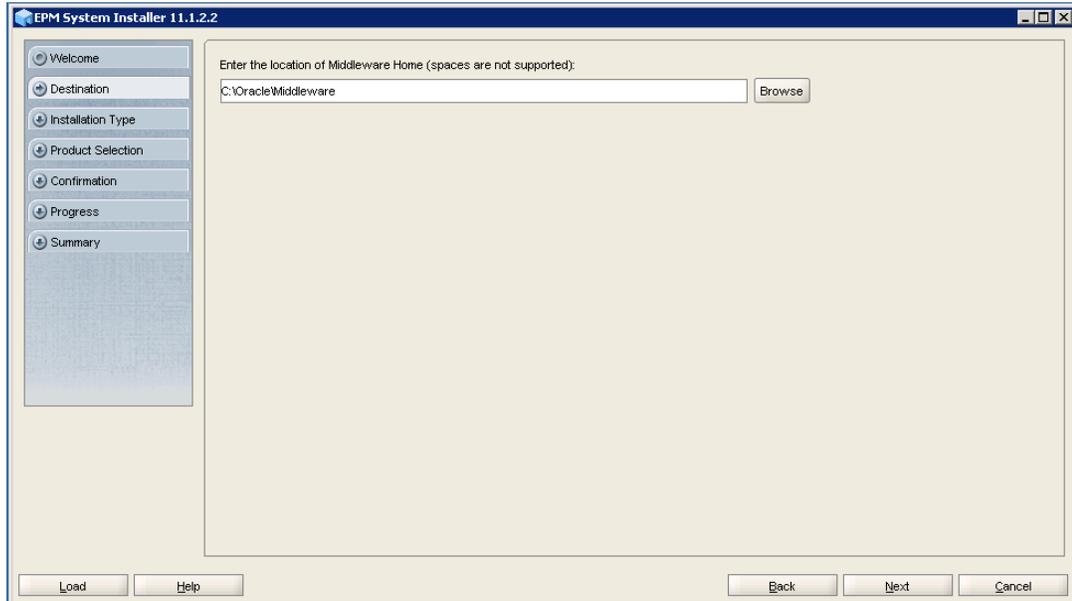
- In Windows Explorer, navigate to the EPM_rapid_unzipped folder, and double-click installTool.cmd.
- In **EPM System Installer**, select a **language**, and click **OK**.



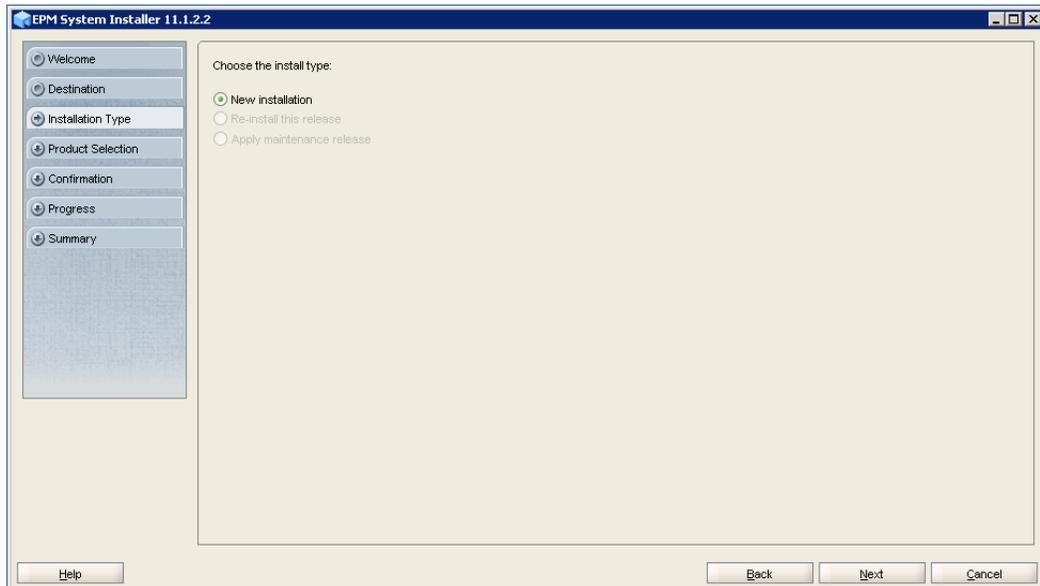
- On the Welcome screen, click **Next**.



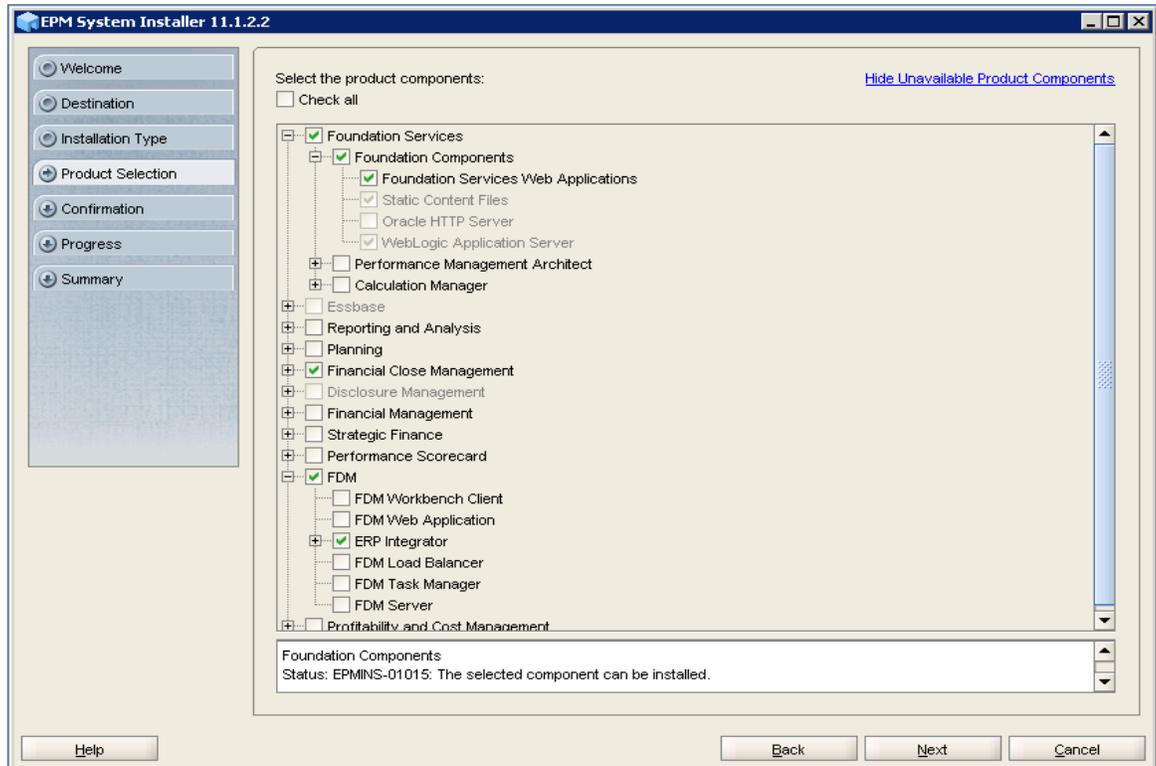
- On the Destination screen, select the location for the Middleware Home directory, and click **Next**. The default directory is c:\oracle\middleware.



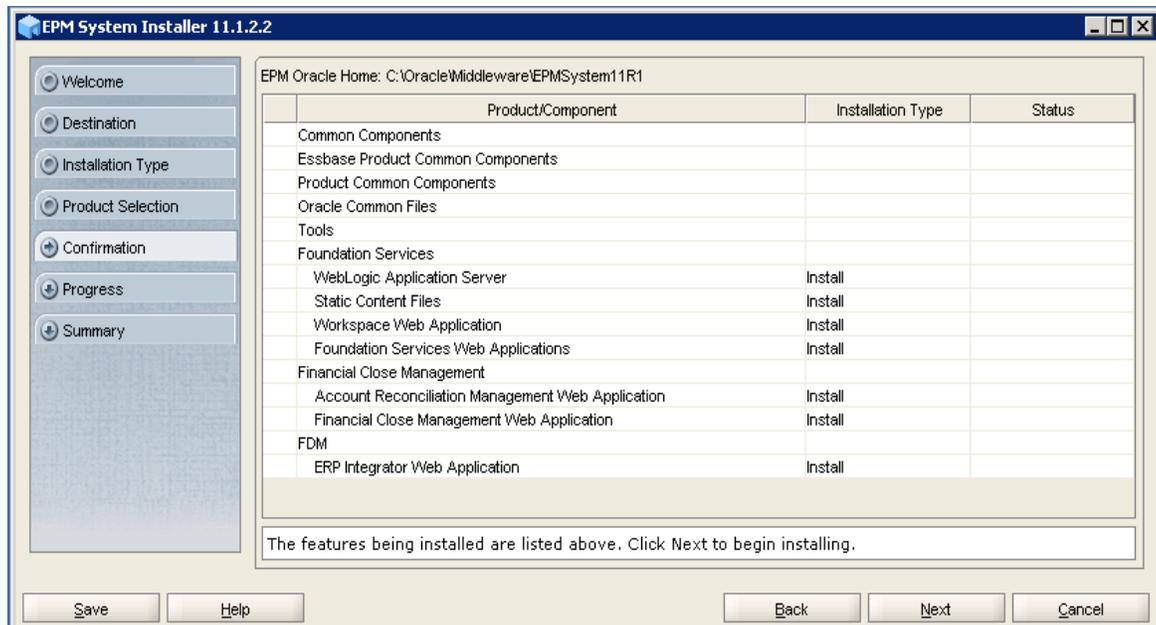
- On the Installation Type screen, select **New installation** type, and click **Next**.



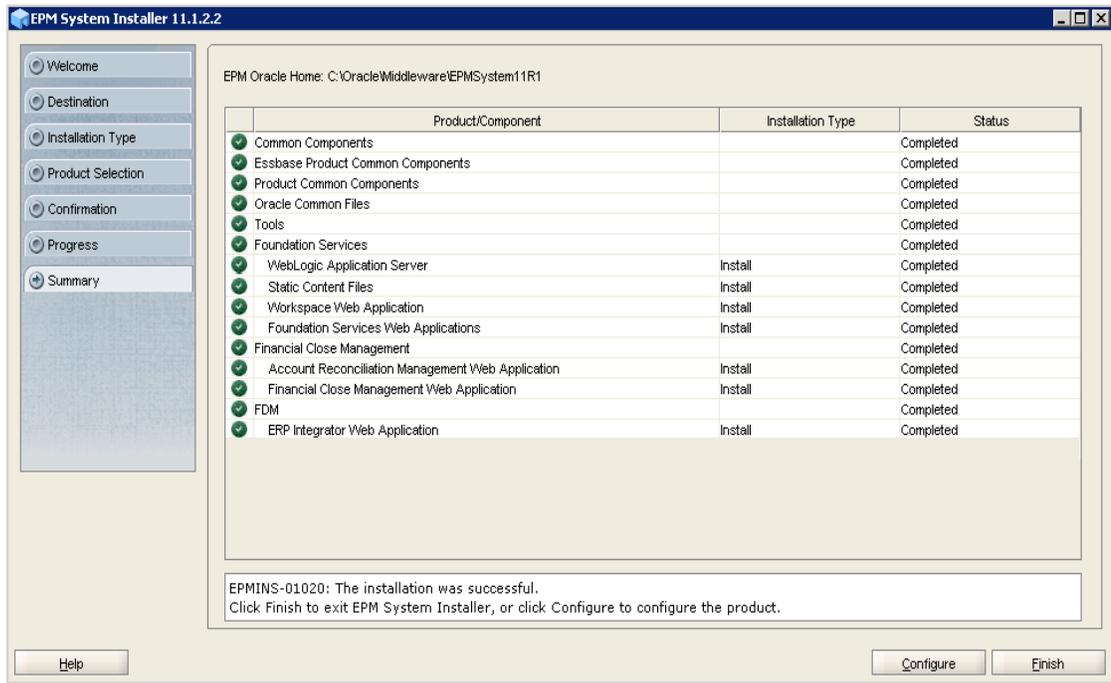
- On the Product Selection screen, Uncheck **Uncheck All** and Select **Foundation Components**, **Financial Close Management** and **ERP Integrator** under **FDM** and click **Next**.



- On the Confirmation screen, click **Next**.



- On the Summary screen, click **Finish**.



Installing and Configuring SOA Suite

Installing and configuring SOA Suite requires you to perform the following tasks:

Running the Repository Creation Utility

Navigate to the EPM_rapid_unzipped\rcuHome\bin folder and run **rcu.bat**.

- On the Welcome screen, click **Next**.



- On the Create Repository screen, select **Create**, and then click **Next**.

Create
 Create and load component schemas into a database.

Drop
 Remove component schemas from a database.

Messages:

- On the Database Connection Details screen, enter the database connection details, you wish to configure SOA and Click **Next**.
 - **Host Name:** Enter the name of your machine
 - **Port:** 1521
 - **Service name:** Enter the SID of the database. (SID is available in C:\app<user>\product\11.2.0\dbhome_1\NETWORK\ADMIN\tnsnames.ora)
 - **User name:** sys
 - **Password:** Enter the password for user sys.

Database Type: Oracle Database

Host Name: demoserver.example.com
For RAC database, specify VIP name or one of the Node name as Host name.

Port: 1521

Service Name: ORCL

Username: sys
User with DBA or SYSDBA privileges. Example: sys

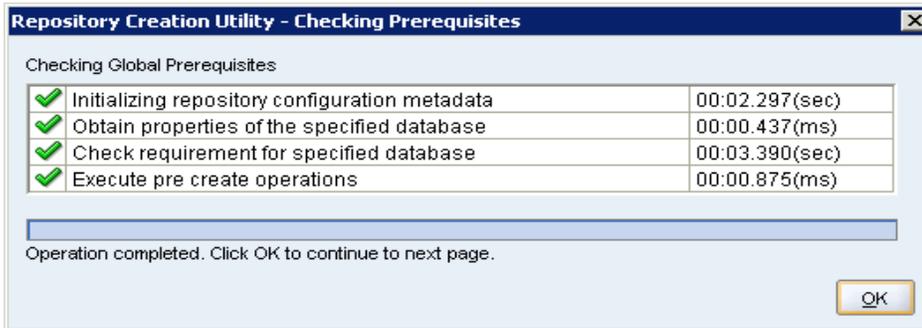
Password: ●●●●●●●●

Role: SYSDBA
One or more components may require SYSDBA role for the operation to succeed.

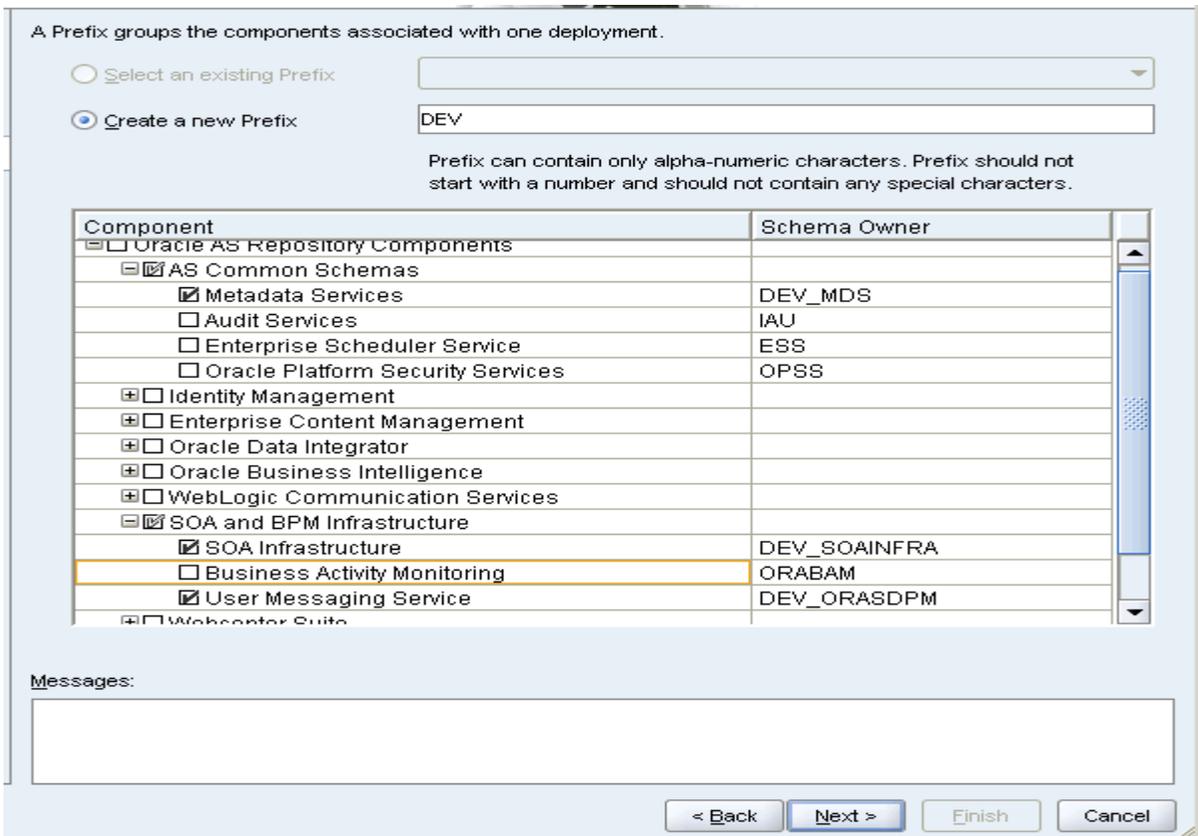
Messages:

- At the prerequisites confirmation prompt, click **OK**. If a warning prompt regarding the

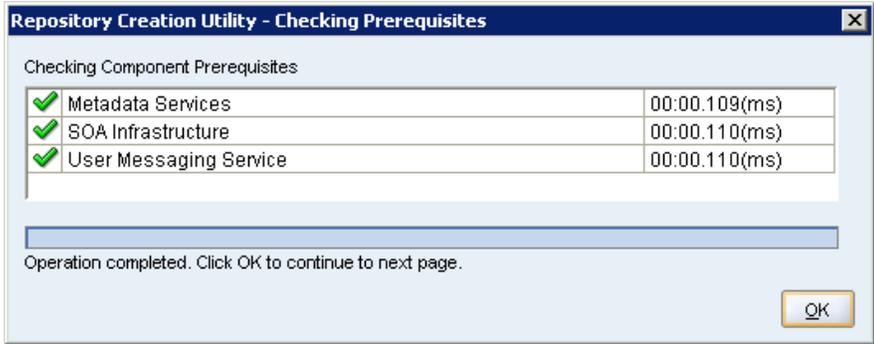
character set is displayed, click **Ignore**.



- On the Select Components screen, in the **Create a new prefix** text box, leave a default prefix for the schema tables.
- In the Component list, **Under SOA and BPM Infrastructure** select **SOA Infrastructure**. You will see that, **User Messaging Service** under **SOA and BPM Infrastructure** and **Metadata Services** under **AS Common Schemas** get selected automatically when you selected **SOA Infrastructure**. Click **Next**.



- At the prerequisites confirmation prompt, click **OK**.



- On the Schema Passwords screen, select **Use the same password for all schemas**, enter a password, and click **Next**.

Please enter the passwords for the main and additional (auxiliary) schema users. Password can contain alphabets, numbers and the following special characters: \$, #, _, . Password should not start with a number or a special character.

Use same passwords for all schemas

Password:

Confirm Password:

Use main schema passwords for auxiliary schemas

Specify different passwords for all schemas

Component	Schema Owner	Schema Password	Confirm Password
Metadata Services	DEV_MDS		
SOA Infrastructure	DEV_SOAINFRA		
User Messaging Service	DEV_ORASDPM		

Messages:

< Back Next > Finish Cancel

- On the Map Tablespace screen, leave the default tablespace names and click **Next**.

Choose tablespaces for the selected components. The default and temporary tablespaces are specified in the table below.
To create new tablespaces or modify existing tablespaces click the 'Manage Tablespaces' button.

Component	Schema Owner	Default Tablespace	Temp Tablespace
Metadata Services	DEV_MDS	*DEV_MDS	*DEV_IAS_TEMP
SOA Infrastructure	DEV_SOAINFRA	*DEV_SOAINFRA	*DEV_IAS_TEMP
User Messaging Service	DEV_ORASDPM	*DEV_IAS_ORASDPM	*DEV_IAS_TEMP

* Default tablespaces (specified in the configuration files) are to be created upon confirmation.

Manage Tablespaces

Messages:

< Back **Next >** Finish Cancel

- At the confirmation prompt, click **OK**.

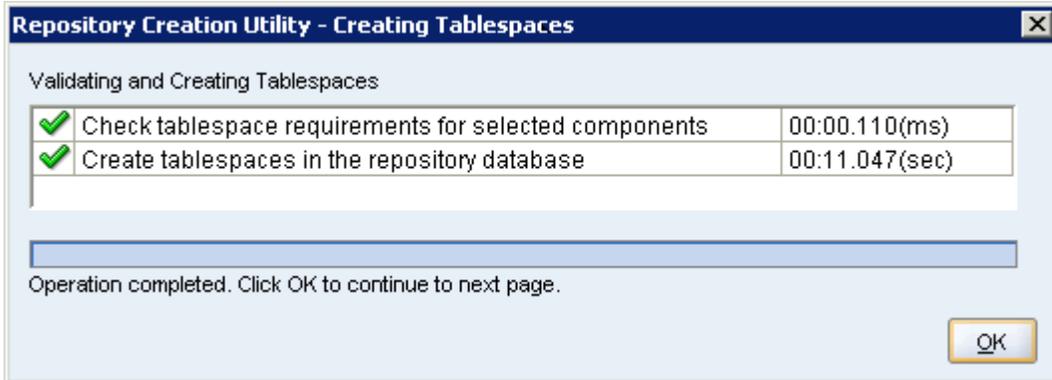
Repository Creation Utility

? Any tablespaces that do not already exist in the selected schemas will be created.

Click OK to create tablespaces.
Click Cancel to return to the wizard.

OK Cancel

- At the completion prompt, click **OK**.



- On the Summary screen, click **Create**. This may take a while.



- On the Completion Summary screen, click **Close**.

Database details:

Host Name: demoserver.example.com
Port: 1521
Service Name: HYPERION
Connected As: SYS
Operation: Create
RCU Logfile: C:\Software\RCU\rcuHome\rcu\log\logdir.2010-05-05_22-02\rcu.log
Component Log Directory: C:\Software\RCU\rcuHome\rcu\log\logdir.2010-05-05_22-02
Execution Time: 32 seconds

Prefix for (prefixable) Schema Owners:DEV

Component	Status	Logfile	Time
Metadata Services	Success	mds.log	00:01.875(sec)
SOA Infrastructure	Success	soainfra.log	00:11.563(sec)
User Messaging Service	Success	oradpm.log	00:00.734(ms)

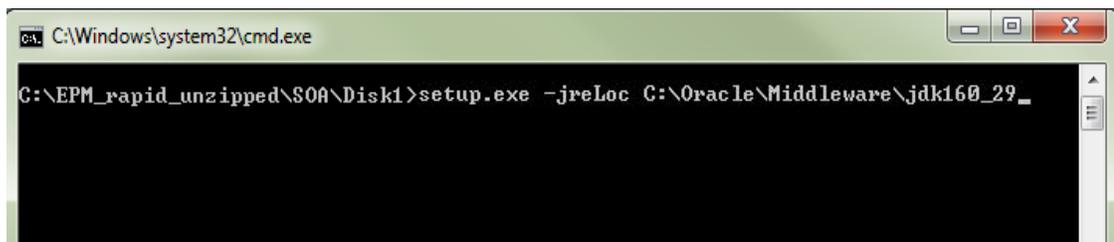
< Back Next > Create Close

Installing SOA Suite

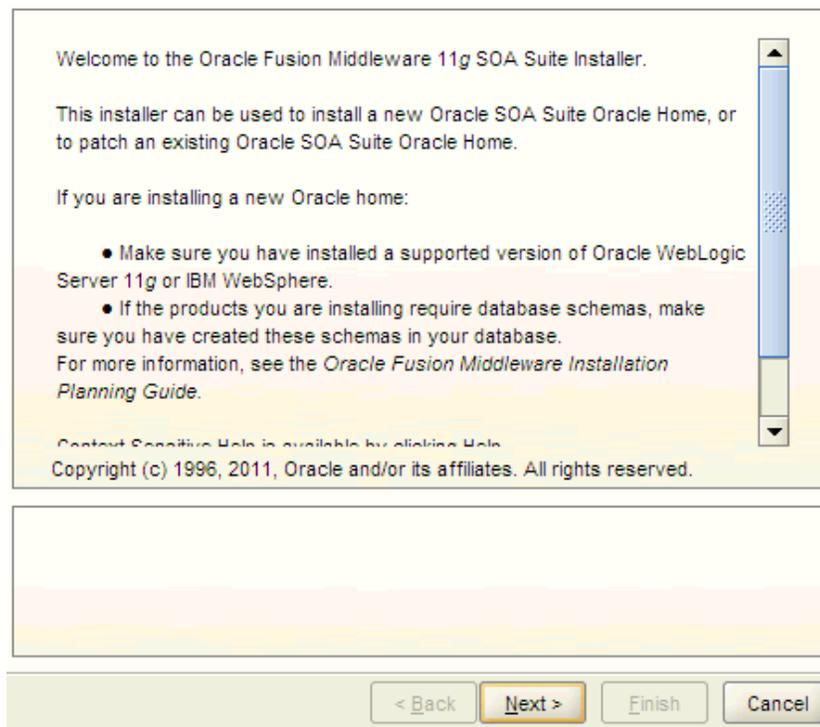
When you install SOA Suite, select the same Middleware Home directory that you specified for Financial Close Management. The Middleware Home directory contains the WebLogic installation, which is required for installing SOA Suite.

- Open a Command prompt and Navigate to the EPM_rapid_unzipped\SOA\Disk1 folder in the SOA Suite installation directory and provide following command.

Setup.exe -jreLoc c:\Oracle\Middleware\jdk160_29 (where -jreLoc value has to be your JDK location)



- On the Welcome screen, click **Next**.



- Select **Skip Software Updates** and click **Next**.

The screenshot shows a dialog box with three radio button options for selecting update sources. The first option, "Skip Software Updates", is selected. Below it are fields for "User Name" and "Password" with "Proxy Settings" and "Test Connection" buttons. The second option is "Search My Oracle Support for Updates". The third option is "Search Local Directory for Updates", which includes a "Local Directory" field with a "Browse" button and a "Search For Updates" button. At the bottom, there are navigation buttons: "< Back", "Next >" (highlighted), "Finish", and "Cancel".

- On the Prerequisites screen, click **Next**.

Selection	Check	Progress	Status
<input checked="" type="checkbox"/>	Checking operating system certification	100%	✓
<input checked="" type="checkbox"/>	Checking physical memory	100%	✓

Below the table are buttons for "Abort", "Retry", and "Continue".

Below the buttons is a summary list:

- ☑ Checking operating system certification
- ☑ Checking physical memory

At the bottom, there are navigation buttons: "< Back", "Next >" (highlighted), "Finish", and "Cancel".

- On the Specify Installation Location screen, verify that the Middleware Home directory is the directory that you selected when you installed the EPM Components, and click **Next**.

Please ensure to modify the Middleware Home that is defaulted.

Oracle Middleware Home: C:\Oracle\Middleware

Oracle Home Directory: Oracle_SOA1

..... The WebLogic Server must already be installed in the same Middleware Home.

< Back Next > Finish Cancel

- On the Application Server screen, verify that the WebLogic Server is selected, and click **Next**.

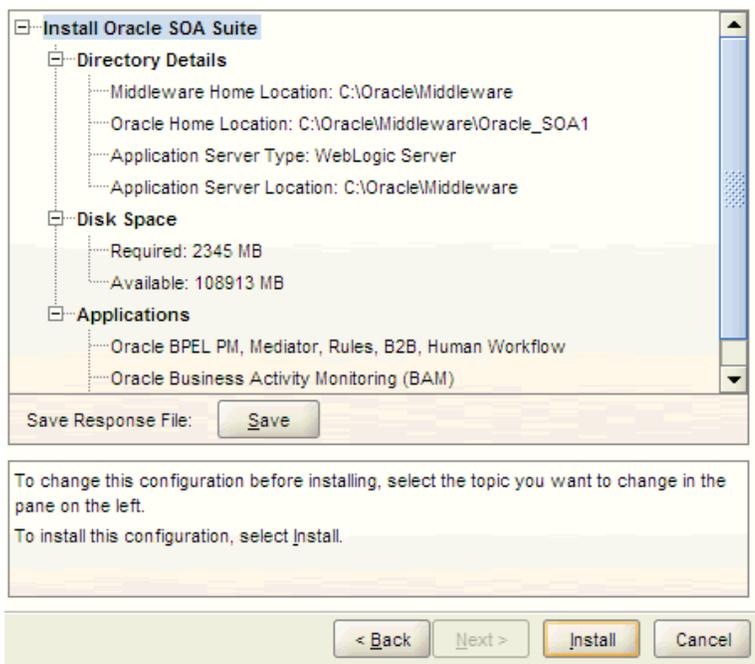
WebLogic Server
 WebSphere

Application Server Location
C:\Oracle\Middleware

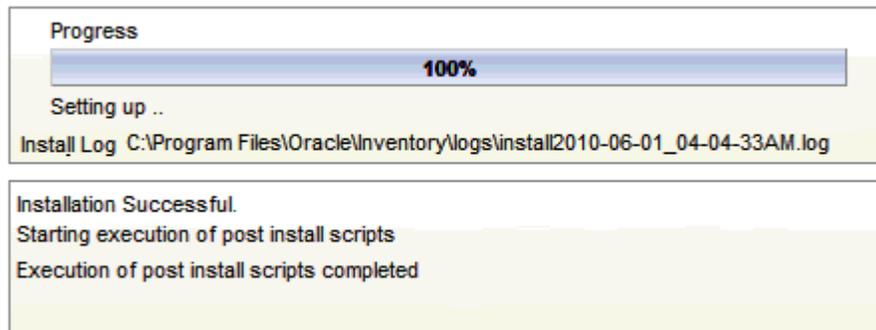
WLS installation detected, WebLogic Server support available in this Middleware Home.

< Back Next > Finish Cancel

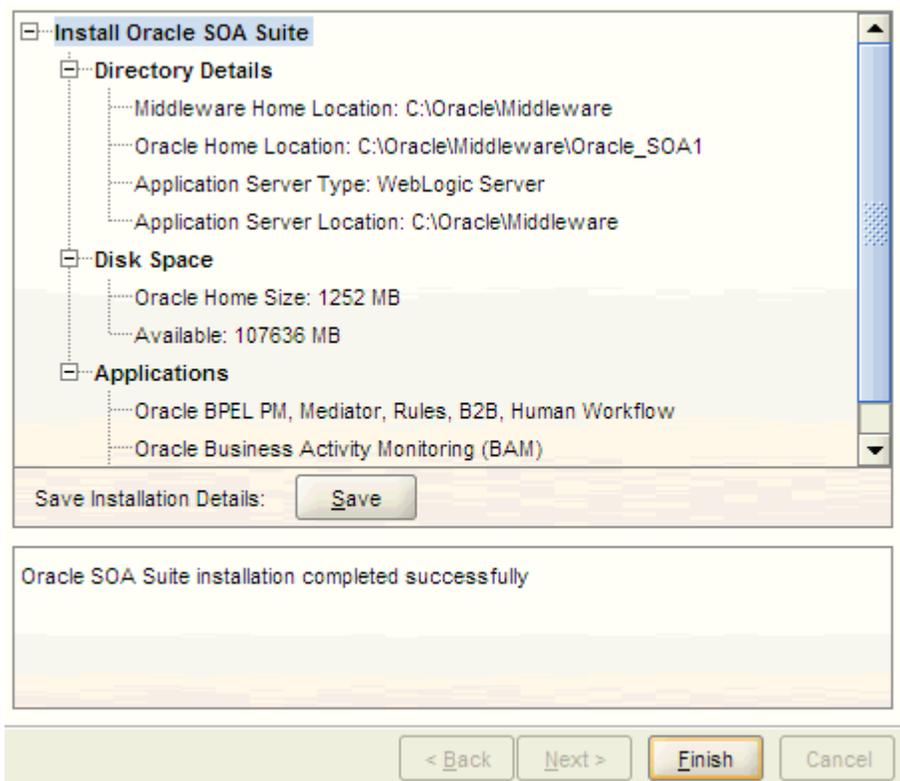
- On the Installation Summary screen, click **Install**.



- On the Installation Progress screen, when the Installation Successful message is displayed, click **Next**.



- On the Installation Complete screen, click **Finish**.



Configuring SOA Suite

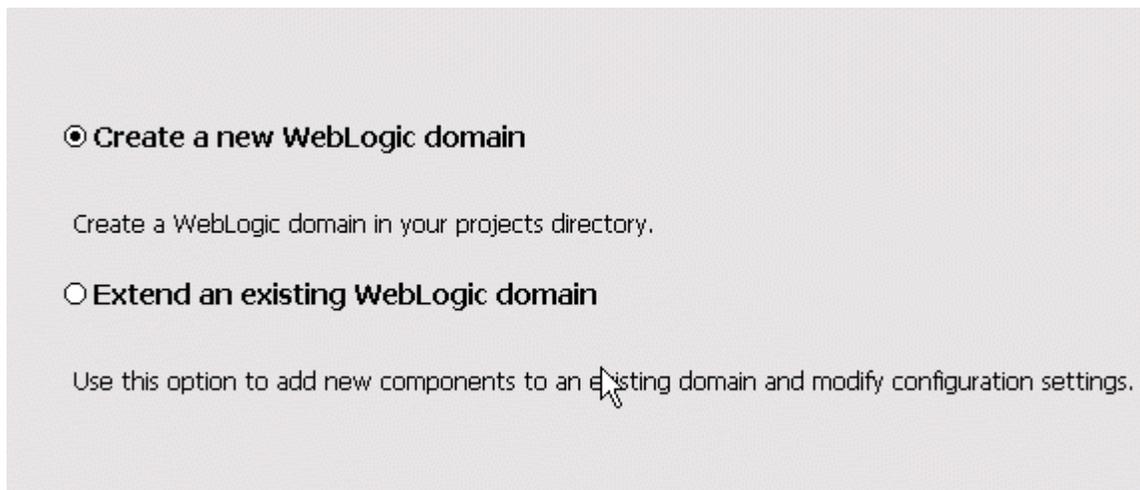
After installing SOA Suite and running the Repository Creation Utility, you configure SOA Suite and create a WebLogic domain. You later extend this WebLogic domain for Financial Close Management.

- Select **Start**, then **Programs**, then **Oracle SOA 11g - Home1**, and then **Configure Application Server**.

(You can also start it with config.cmd. For example:

C:\Oracle\Middleware\Oracle_SOA1\common\bin\config.cmd)

- Select **Create a new WebLogic domain**, and click **Next**.



- On the Select Domain Source screen, select **Generate a domain configured automatically to support the following products**, then select **Oracle SOA Suite, Oracle Enterprise Manager, Oracle WSM Policy Manager, Oracle JRF Webservices Asynchronous Services, and Oracle JRF**, and click **Next**.

You will see that, Oracle WSM Policy Manager and Oracle JRF get selected automatically when you selected Oracle SOA Suite.

Generate a domain configured automatically to support the following products:

- Oracle SOA Suite - 11.1.1.0 [Oracle_SOA1]
- Oracle SOA Suite - 11.1.1.0 [Oracle_SOA1]
- Oracle EPM Calc - 11.1.2.1 [EPMSys11R1]
- Oracle Enterprise Manager - 11.1.1.0 [oracle_common]
- Oracle EPM WORKSPACE - 11.1.2.1 [EPMSys11R1]
- Oracle EPM Shared Services - 11.1.2.1 [EPMSys11R1]
- Oracle EPM EPMAWebTier - 11.1.2.1 [EPMSys11R1]
- Oracle Business Activity Monitoring - 11.1.1.0 [Oracle_SOA1]
- Oracle EPM Financial Management Web Service - 11.1.2.1 [EPMSys11R1]
- SOA Bridge Portlet Container - 11.1.1.0 [Oracle_SOA1]
- Oracle EPM Financial Close - 11.1.2.1 [EPMSys11R1]
- Oracle EPM EPMADataSynchronizer - 11.1.2.1 [EPMSys11R1]
- Oracle WSM Policy Manager - 11.1.1.0 [oracle_common]
- Oracle JRF WebServices Asynchronous services - 11.1.1.0 [oracle_common]
- Oracle JRF - 11.1.1.0 [oracle_common]

Base this domain on an existing template

Template location:

- On the Specify Domain Name and Location screen, enter a domain name and accept the default locations. You must use the same domain name when you configure the EPM components. In this example, the domain name is base_domain.

The screenshot shows a configuration window titled "Enter the name and location for the domain and its applications:". It contains three input fields with "Browse" buttons:

- Domain name:
- Domain location:
- Application location:

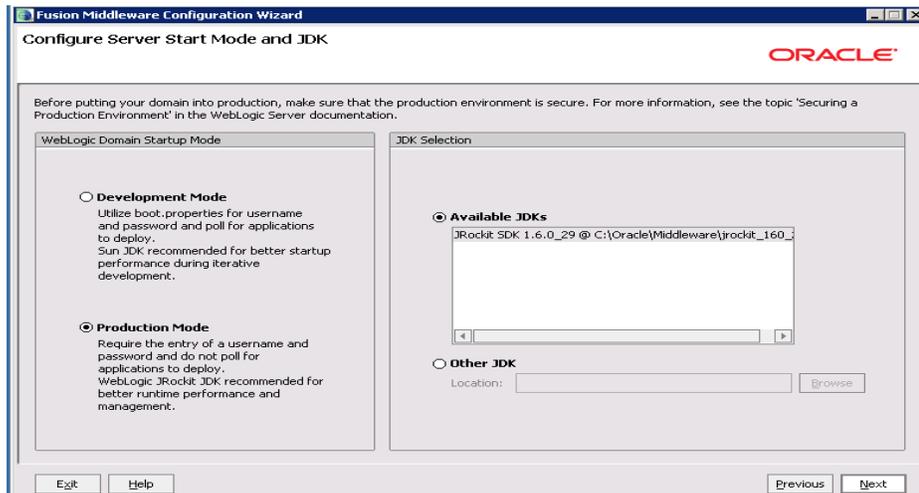
At the bottom right, there are "Previous" and "Next" navigation buttons.

- On the Configure User Name and Password screen, enter a user name and password for the WebLogic domain administrator. You use this domain administrator name and password for the EPM components as well. In this example, the domain administrator name is weblogic.

The screenshot shows a configuration window for creating a user. It contains four input fields:

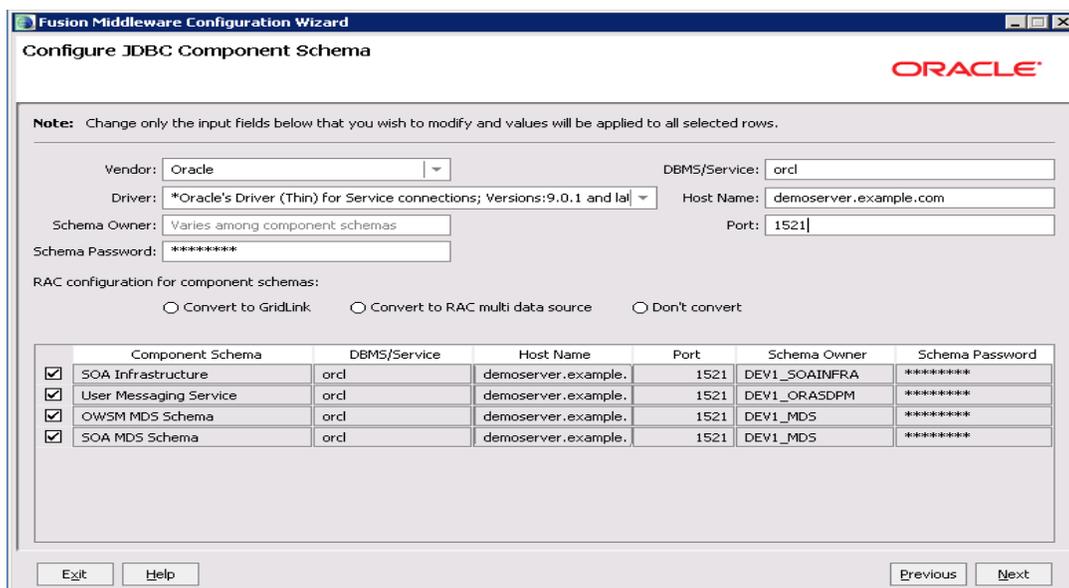
- *User name:
- *User password:
- *Confirm user password:
- Description:

- On the WebLogic Domain Startup Mode screen, select **Production Mode**, then select the Jrockit location, and click **Next**.

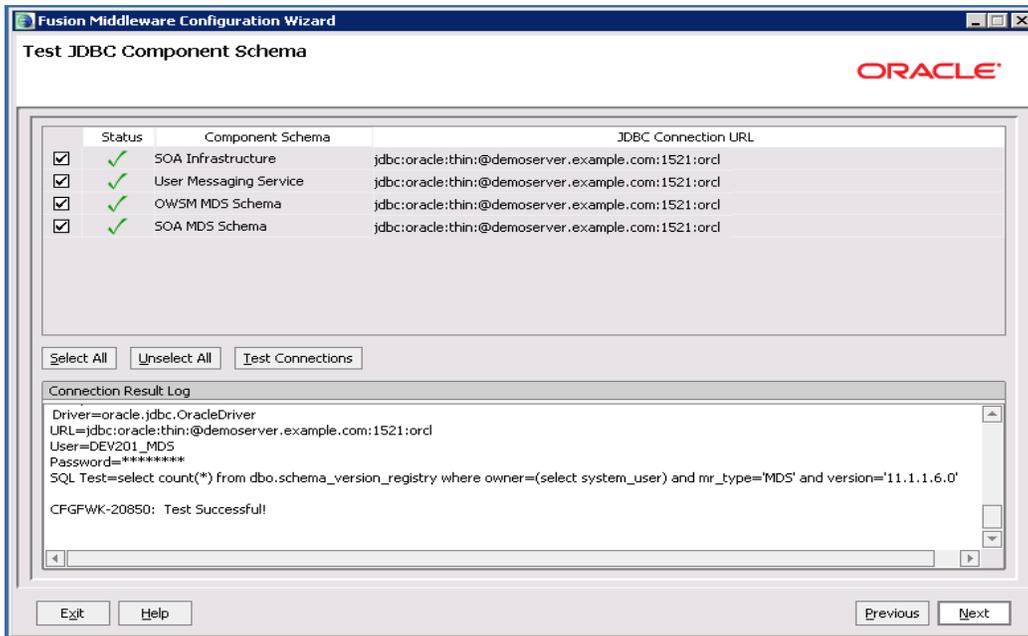


- On the Configure JDBC Component Schema screen, select **each component schema** and provide the **database connection information**,
 - DBMS/Service: Enter the SID of the database. (SID is available in C:\app\<user>\product\11.2.0\dbhome_1\NETWORK\ADMIN\tnsnames.ora)
 - Host Name: Enter the name of your machine
 - Port: 1521
 - Schema password: password for all schemas that you entered in the Repository Creation Utility.

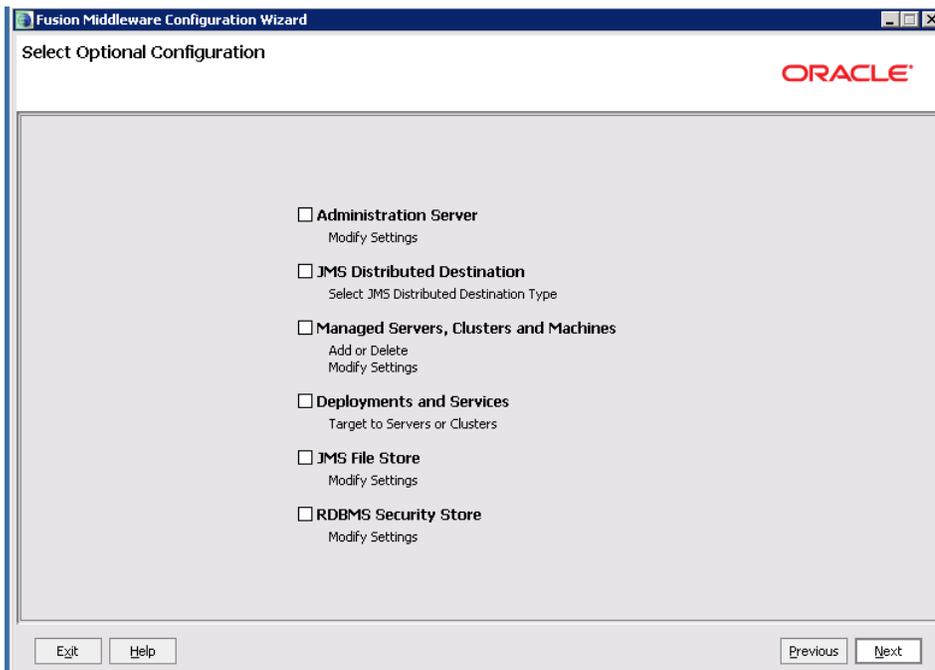
When finished, click **Next**.



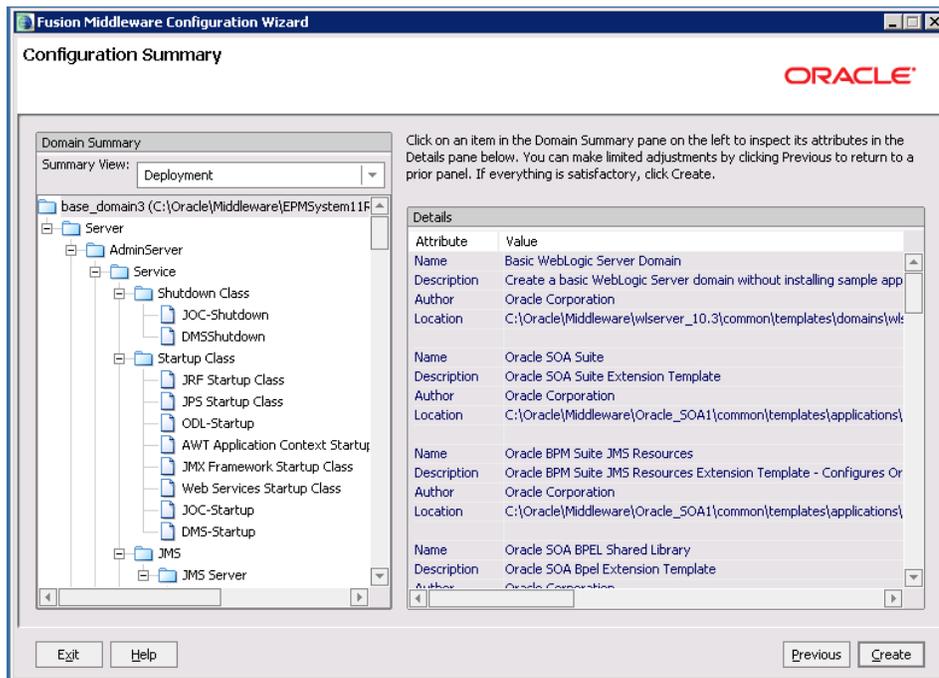
- On the Test Component Schemas screen, verify that the connections to your data sources are successful, and click **Next**.



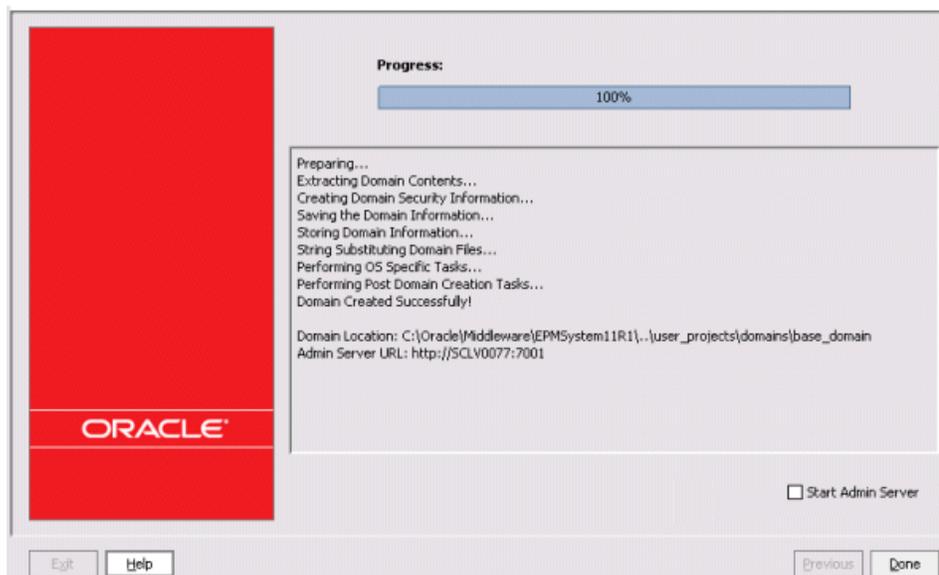
- On the Select Optional Configuration screen, leave the default settings and click **Next**.



- On the Configuration Summary screen, click **Create**.



- On the Creating Domain screen, when the process is complete, click **Done**.



Configuring EPM System Components

The database schemas for the EPM components are created during the configuration process.

During the configuration process you must provide valid Oracle database user names and passwords under which to create the schemas. You perform the Deploy to SOA configuration task after you restart WebLogic Server.

Configuring Foundation Services, Financial Close Management and FDM

From the Windows Start menu, select **Programs**, then **Oracle EPM System**, then **Foundation Services**, and then **EPM System Configurator (all instances)**.

(You can also start it with configtool.bat. For example:
C:\Oracle\Middleware\EPMSystem11R1\common\config\11.1.2.0\configtool.bat)

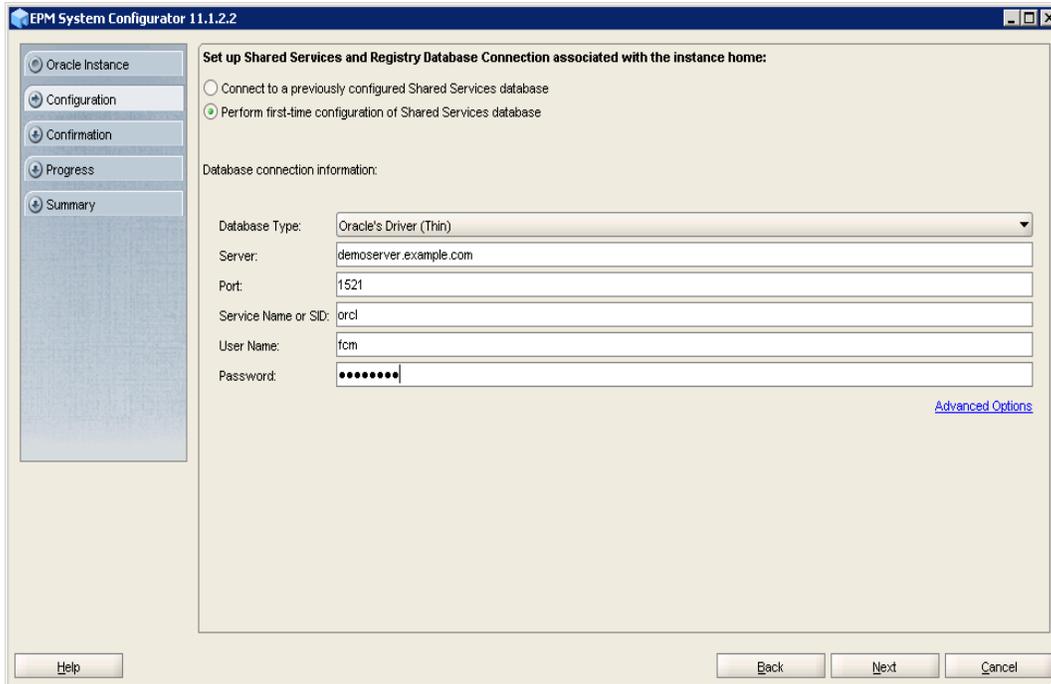
- Accept the defaults, and click **Next**.



- Select Perform first -time configuration of Shared Services database, enter the database connection details for the Shared Service database:
 - **Server:** Enter the name of your machine
 - **Port:** 1521
 - **Service Name or SID:** Enter the SID of the database. (SID is available in C:\app\ - **User Name:** fcm

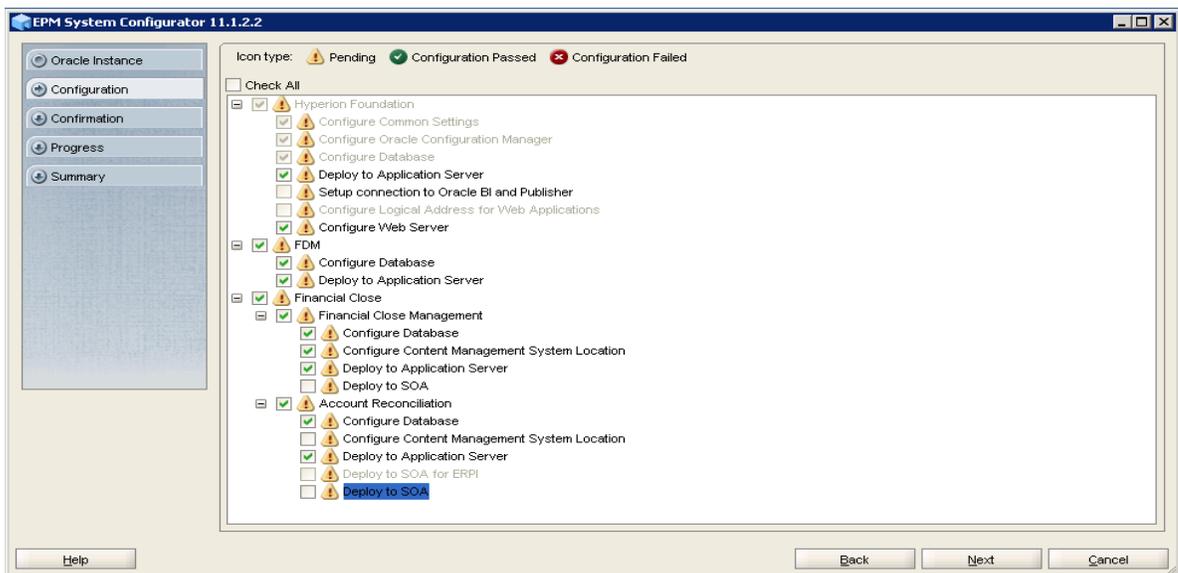
- **Password:** welcome1

When finished, click **Next**.

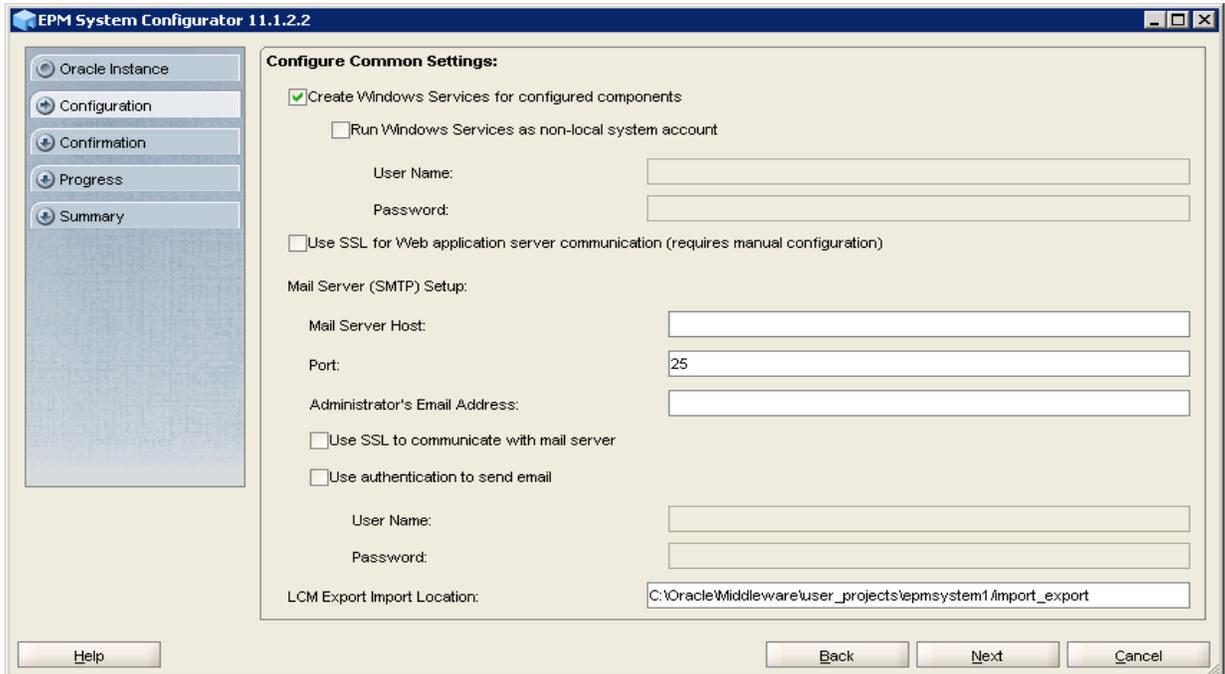


- Accept the default options under Hyperion Foundation. For Financial Close, select **Deploy to application server** and **Configure Database**. Do **not** select Deploy to SOA.

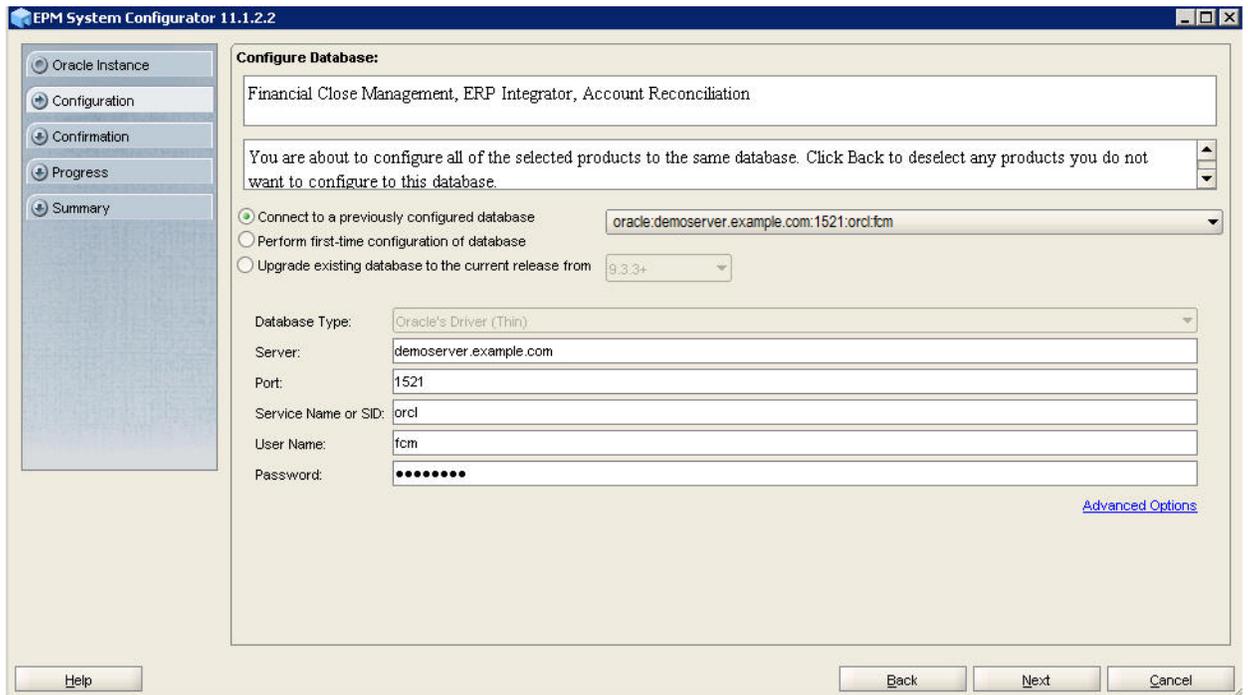
When finished, click **Next**.



- Under Configure Common Settings, select **Create Windows Services for configured components** and click **Next**.



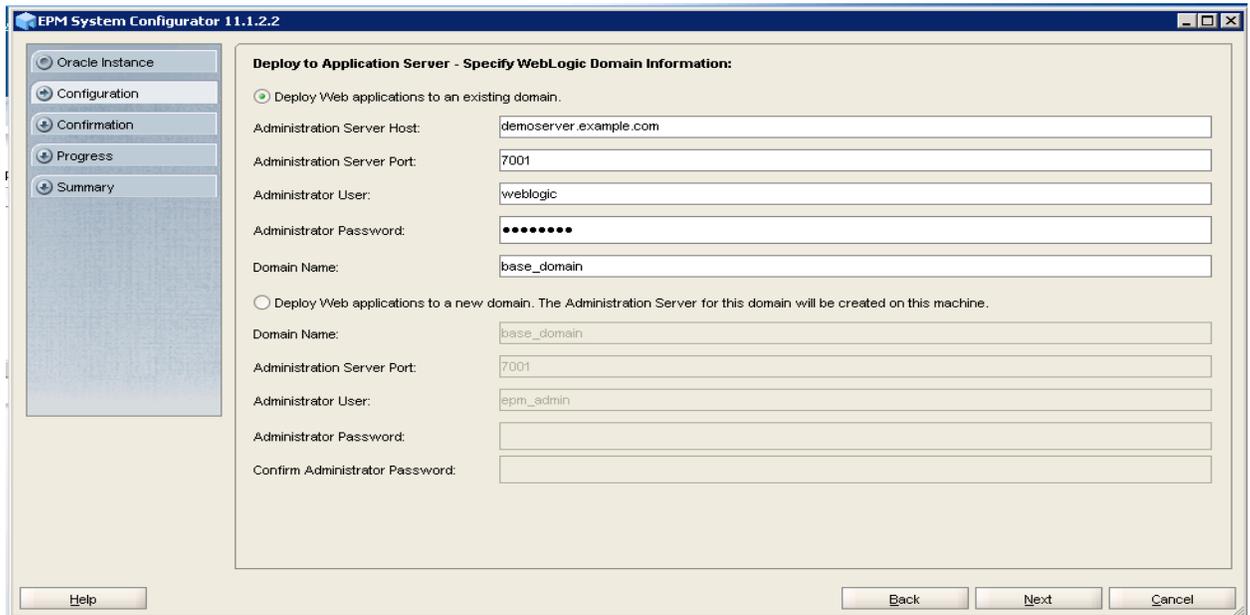
- Select **Connect to a previously configured database** click **Next**.



- Select **Deploy web applications to an existing domain**, enter the information for the WebLogic domain that you created when you configured SOA, and click **Next**.

Administrator User/Password: (use the WebLogic administrator username and password created from SOA configurator.)

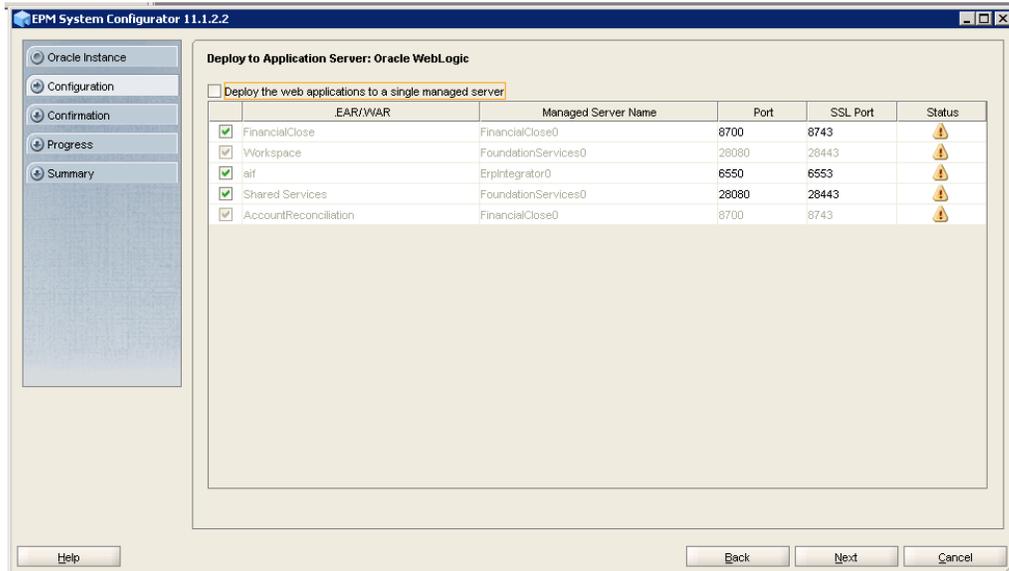
Domain Name: base_domain (use the existing domain that was created from SOA configurator)



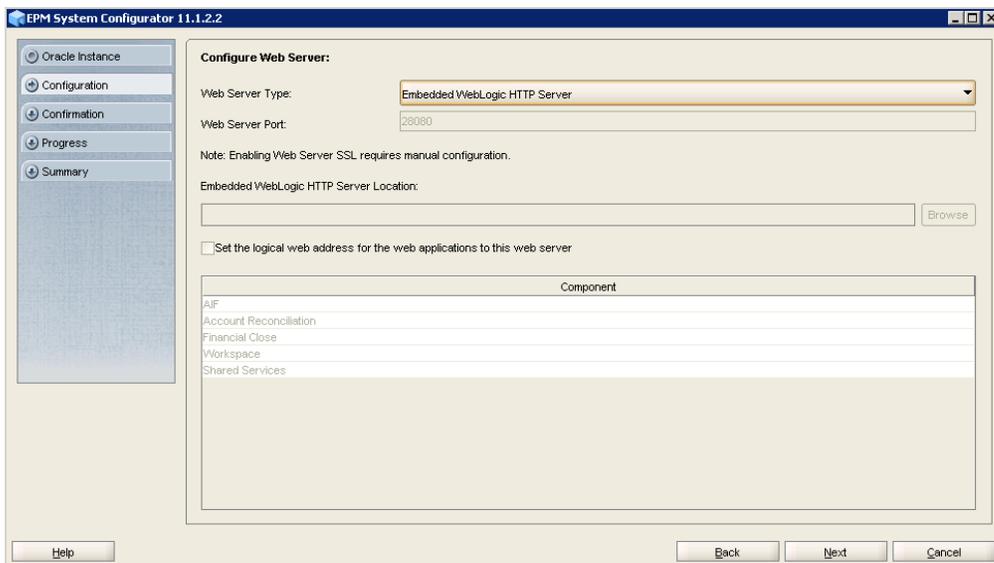
- On the warning about password validation press OK.



- Uncheck the **Deploy the web application to a single managed server** and accept the default application server deployment settings, and click **Next**.

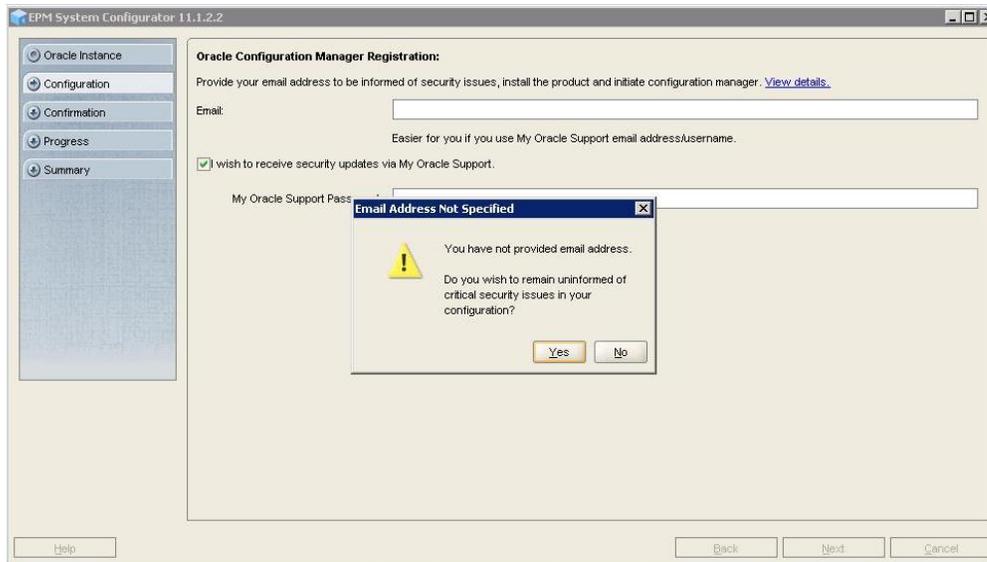


- Leave the default selection **Embedded WebLogic HTTP Server** for Web Server Type and click **Next**.

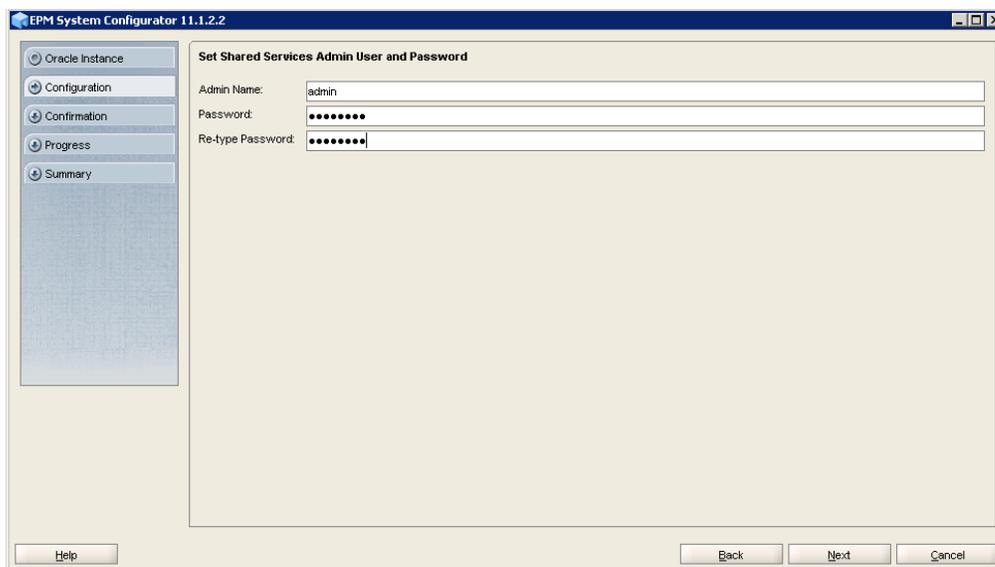


- Click **Next** and answer **Yes** at the confirmation prompt.

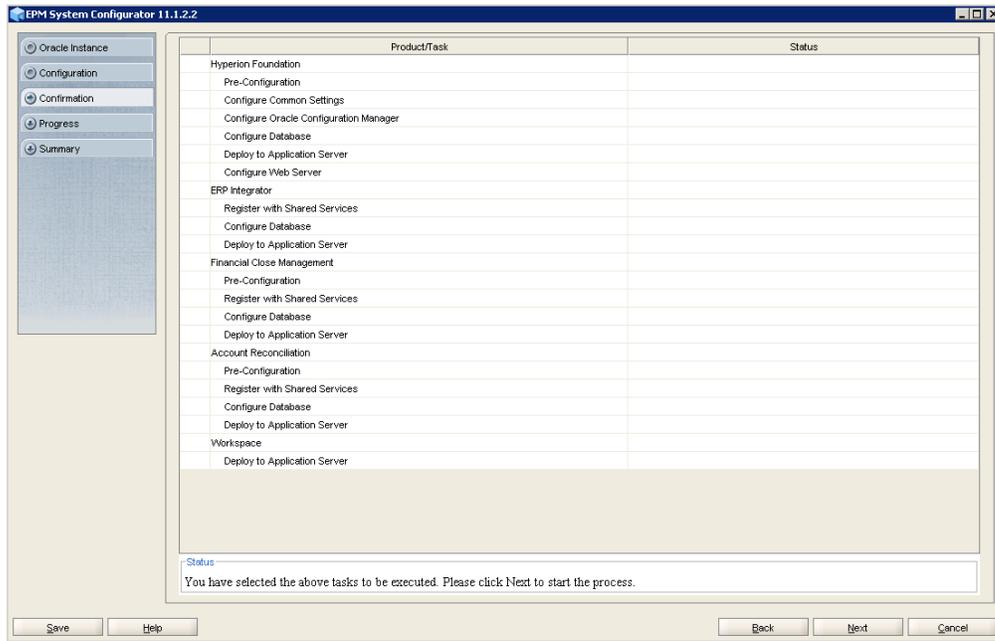
Note: This setup is not integrated with OCM



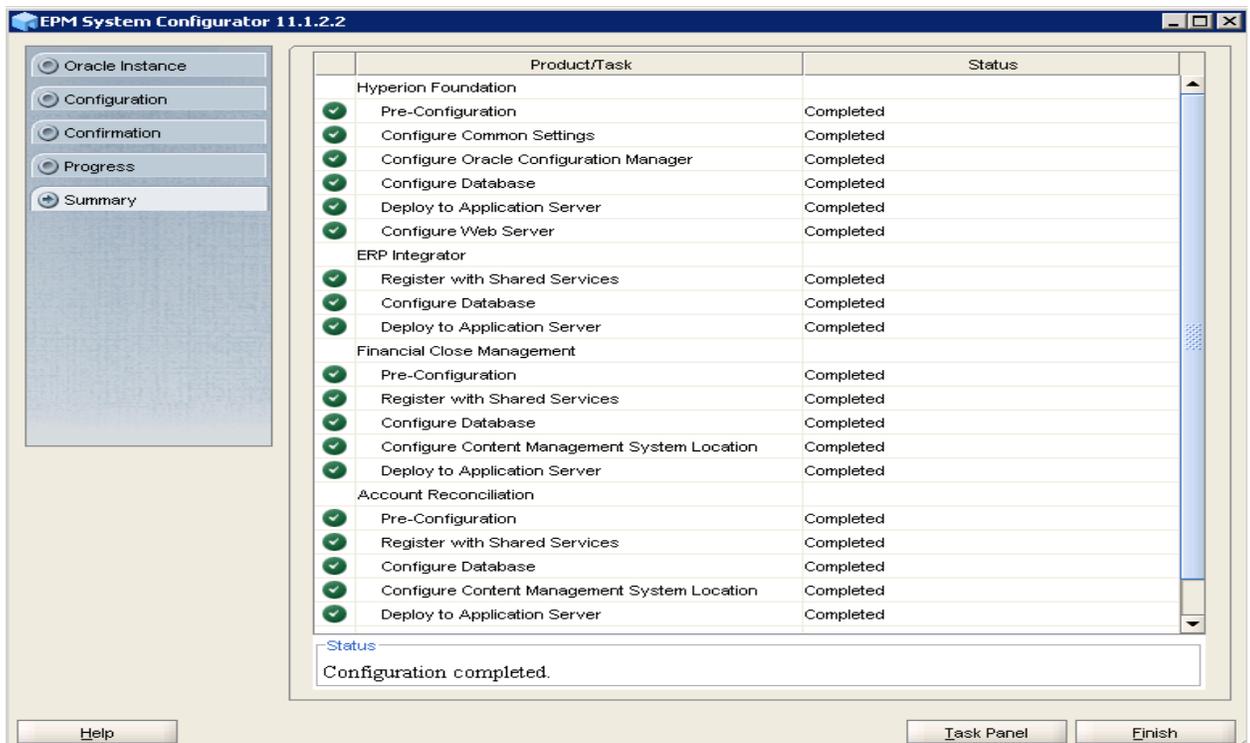
- Enter the Shared Services Admin User name and password. **Make sure that password contains no less than one numeric or special characters** and click **Next**.



- Review your selections, and click **Next** to launch the configuration.



- When the configuration is complete, click **Finish**.



Deploying to SOA

After configuring EPM products, you need to run the EPM System Configurator again to deploy to SOA.

- To start the WebLogic Admin Server, select **Start**, then **Programs**, then **Oracle WebLogic**, then **User Projects**, then **<domain>**, and then **Start Admin Server for Weblogic Server Domain**, where **<domain>** is the WebLogic domain you created with the SOA configuration tool.

(You can also start it with startWebLogic.cmd. For example:

```
C:\Oracle\Middleware\user_projects\domains\base_domain\bin\startWebLogic.cmd)
```

Enter the Web Logic admin user name and password if prompted.

The process will take a couple of minutes and is complete when you see '<Server started in RUNNING mode>' in the Command Prompt box.

- To start the SOA managed server, enter the following command at a Command Prompt:
c:\oracle\middleware\user_projects\domains<domain>\bin\startmanagedweblogic.cmd soa_server1,
where **<domain>** is the WebLogic domain you created with the SOA configuration tool.

Enter the Web Logic admin user name and password when prompted.

The process will take a couple of minutes and is complete when you see '<Server started in RUNNING mode>' in the Command Prompt box.

- From the Windows Start menu, select **Programs**, then **Oracle EPM System**, then **Foundation Services**, and then **EPM System Configurator (all instances)**.

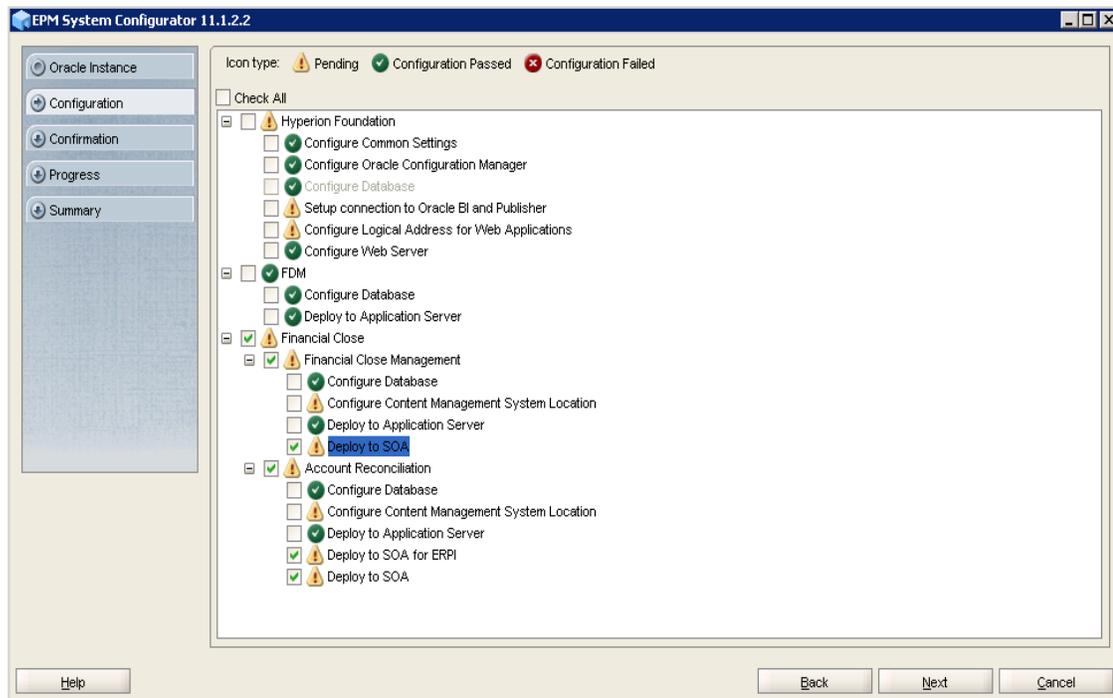
(You can also start it with configtool.bat. For example:

```
C:\Oracle\Middleware\EPMSys11R1\common\config\11.1.2.0\configtool.bat).
```

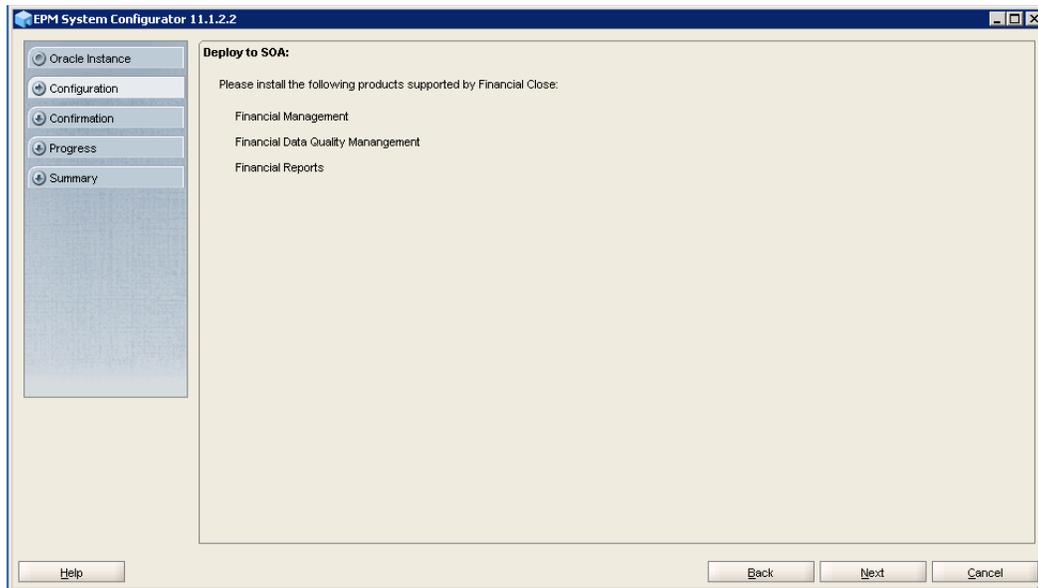
- Select EPM Oracle instance to which this configuration would be applied, and click **Next**.



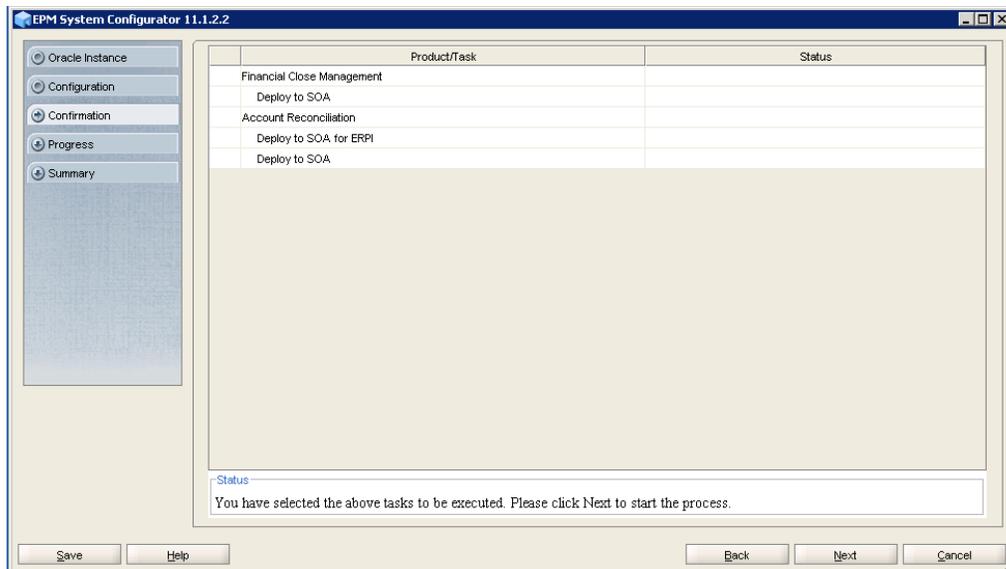
- Uncheck **Uncheck All** and Expand **Financial Close**, then **Financial Close Management** and select **Deploy to SOA**. Also within Financial Close, **expand Account Reconciliation** and select **Deploy to SOA, Deploy to SOA for ERPI** and click **Next**.



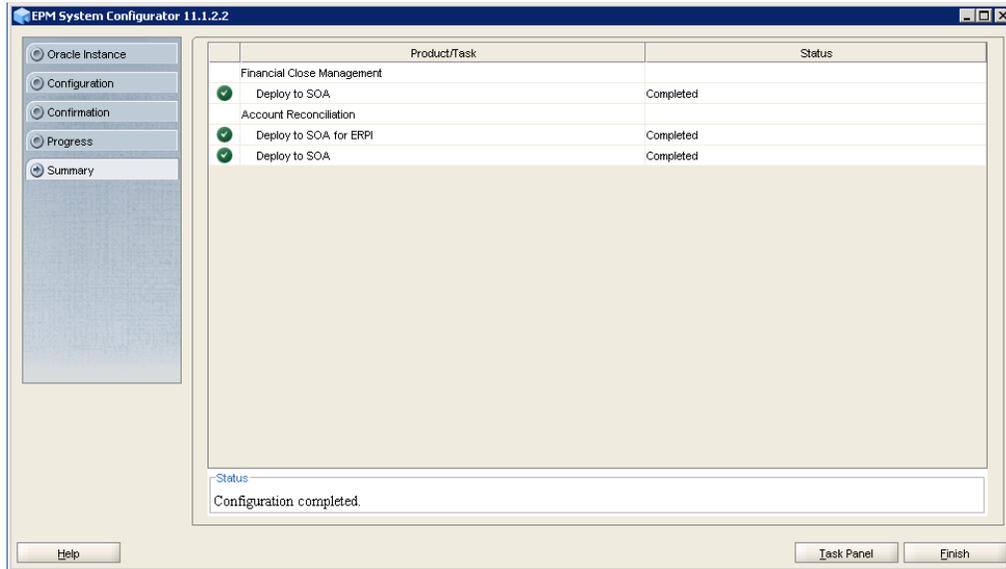
- On the Deploy to SOA screen, click **Next**.



- On the Confirmation screen, click **Next** to launch the configuration.



- When the configuration is complete, click **Finish**.



Performing Post-Installation Manual Configuration Tasks

You perform the manual configuration tasks after installing and configuring SOA Suite and the EPM components.

Add Native users to the WebLogic Server

- You should restart the WebLogic Admin Server before add Native users:
 - Select **Start**, then **Programs**, then **Oracle WebLogic**, then **User Projects**, then **<domain>**, and then **Stop Admin Server**, where **<domain>** is the WebLogic domain you created with the SOA configuration tool.

(You can also stop it with stopWebLogic.cmd. For example:

C:\Oracle\Middleware\user_projects\domains\base_domain\bin\stopWebLogic.cmd).

- Select **Start**, then **Programs**, then **Oracle WebLogic**, then **User Projects**, then **<domain>**, and then **Start Admin Server for Weblogic Server Domain**, where **<domain>** is the WebLogic domain you created with the SOA configuration tool.

(You can also start it with startWebLogic.cmd. For example:

C:\Oracle\Middleware\user_projects\domains\base_domain\bin\startWebLogic.cmd)

The process will take a couple of minutes and is complete when you see '<Server started in RUNNING mode>' in the Command Prompt box.

- Connect to the WebLogic Console <http://host:7001/console> where **host** is the name of the Machine.
- Log on using the WebLogic administrator name and password that you specified for the domain.
- Click on **Lock & Edit**



- In the Domain Structure area, click **Security Realms**.

The screenshot shows the Oracle WebLogic Server Administration Console. The top navigation bar includes 'Home', 'Log Out', 'Preferences', 'Record', and 'Help'. The breadcrumb trail is 'Home > Summary of JDBC Data Sources > SOADataSource'. The main content area is divided into several sections:

- Change Center:** A section titled 'View changes and restarts' with a note: 'Configuration editing is enabled. Future changes will automatically be activated as you modify, add or delete items in this domain.'
- Domain Structure:** A tree view showing the hierarchy: 'base_domain' (expanded) containing 'Environment', 'Deployments', 'Services', 'Security Realms' (selected), 'Interoperability', and 'Diagnostics'.
- Home Page:** A section titled 'Information and Resources' containing:
 - Helpful Tools:** 'Configure applications', 'Recent Task Status', 'Set your console preferences', 'Oracle Enterprise Manager'.
 - Domain Configurations:** A table with columns 'Domain' and 'Service'. Under 'Domain', there is a link to 'Domain'. Under 'Service', there is a link to 'Mess...'.
 - Environment:** A link to 'Servers'.

- Click **myrealm**

The screenshot shows the 'Summary of Security Realms' page. It contains the following elements:

- Summary of Security Realms:** A header section.
- Description:** A paragraph explaining that a security realm is a container for mechanisms including users, groups, security roles, and resources. It notes that multiple security realms can exist in a domain, but only one can be the default.
- Table:** A table listing configured security realms. The table has two columns: 'Name' and 'Default Realm'. The 'Name' column is sorted in ascending order.
- Buttons:** 'New' and 'Delete' buttons are located above and below the table.
- Instructions:** A note stating: 'Click the *Lock & Edit* button in the Change Center to activate all the buttons on this page.'

<input type="checkbox"/>	Name	Default Realm
<input type="checkbox"/>	myrealm	true

- Select **Users and Groups**, To add Shared Services user to WebLogic server, click on **New** under **Users**.

Settings for myrealm

Configuration **Users and Groups** Roles and Policies Credential Mappings Providers Migration

Users Groups

This page displays information about each user that has been configured in this security realm.

[Customize this table](#)

Users

New Delete Showing 1 to 2 of

<input type="checkbox"/>	Name	Description	Provider
<input type="checkbox"/>	OracleSystemUser	Oracle application software system user.	DefaultAuthenticator
<input type="checkbox"/>	weblogic	This user is the default administrator.	DefaultAuthenticator

New Delete Showing 1 to 2 of

- On Create a New User screen, provide **Name**, **Password**, **Confirm Password** and click **OK**
- Name:** Shared Services Admin user name;

Password: Shared Services Admin user password.

ORACLE WebLogic Server® Administration Console

Home Log Out Preferences Record Help

Home > Summary of Security Realms > myrealm > Users and Groups > myrealm > Users and Groups

Create a New User

OK Cancel

User Properties

The following properties will be used to identify your new User.

* Indicates required fields

What would you like to name your new User?

* **Name:**

How would you like to describe the new User?

Description:

Please choose a provider for the user.

Provider:

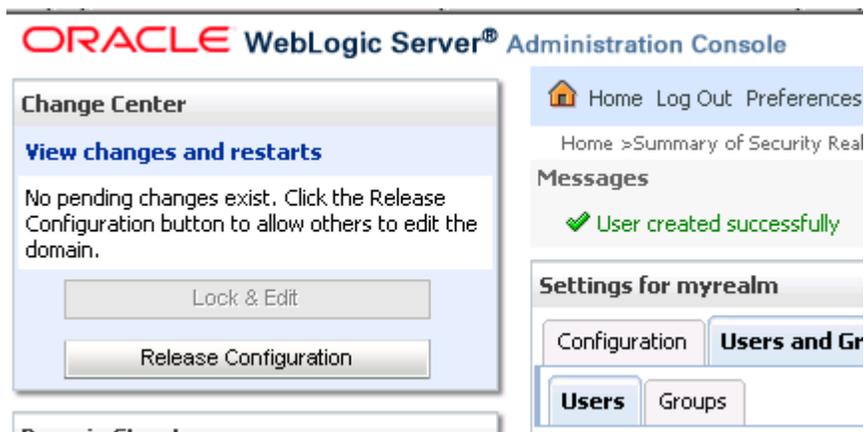
The password is associated with the login name for the new User.

* **Password:**

* **Confirm Password:**

OK Cancel

- Click Release **Configuration**.



- Click **Logout**

Configuring the Keystore for Oracle Web Services Manager

You must set up the Keystore for message protection and configure the Credential Store Provider. The Financial Close Management client and the Oracle Hyperion Financial Management Web service use the following policies:

- wss11_saml_token_with_message_protection_client_policy
- wss11_saml_token_with_message_protection_service_policy

At a Command Prompt, enter the following command to add the JDK to the path:

```
set PATH=%PATH%;C:\Oracle\Middleware\jdk160_29\bin\ (where C:\Oracle\Middleware\jdk160_29\bin has to be your JDK path)
```

The JDK must be included in the path in order to run the Java keystore utility.

Use the Oracle keystore utility to create a keystore on the WebLogic Admin server hosting your EPM System domain by navigating to

c:\oracle\middleware\user_projects\domains\<<domain>\config\fmwconfig (where <domain> is the WebLogic domain you created with SOA configuration tool), and enter the following command:

```
keytool -genkey -keyalg RSA -alias orakey -keypass welcome1 -keystore default-keystore.jks -storepass welcome1 -validity 3600
```

```

Administrator: Command Prompt
C:\Oracle\Middleware\user_projects\domains\base_domain\config\fmwconfig>keytool -genkey -keyalg RSA -alias orakey -keypass welcome1 -keystore default-keystore.jks -storepass welcome1 -validity 3600
What is your first and last name?
[Unknown]: FirstName
What is the name of your organizational unit?
[Unknown]: OrganizationalUnit
What is the name of your organization?
[Unknown]: Organization
What is the name of your City or Locality?
[Unknown]: City
What is the name of your State or Province?
[Unknown]: State
What is the two-letter country code for this unit?
[Unknown]: XY
Is CN=FirstName, OU=OrganizationalUnit, O=Organization, L=City, ST=State, C=XY correct?
[no]: y

```

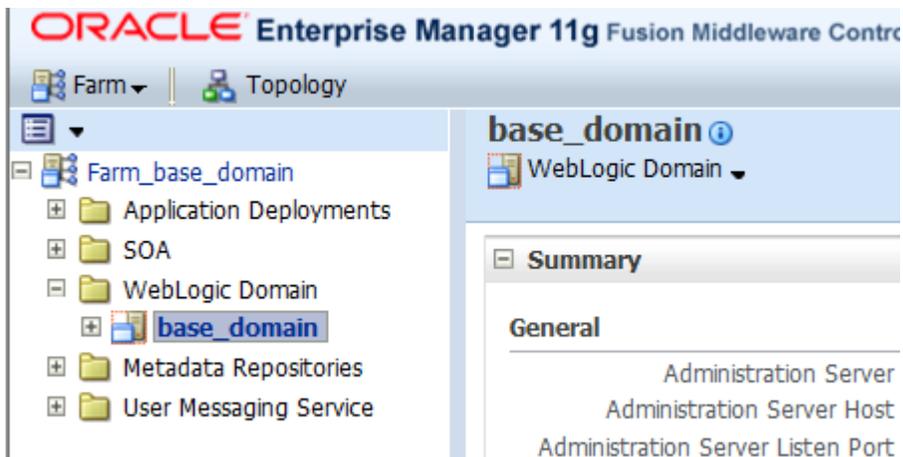
This command creates a keystore with the name default-keystore.jks and adds a new private key entry with alias 'orakey' and password welcome1 to it. You will be prompted for additional information regarding your authentication provider.

You can change the alias, password, and domain name as needed in the command.

Enter the following URL to start Oracle Enterprise Manager, replacing <host> with your host name: **http://<host>:7001/em.**

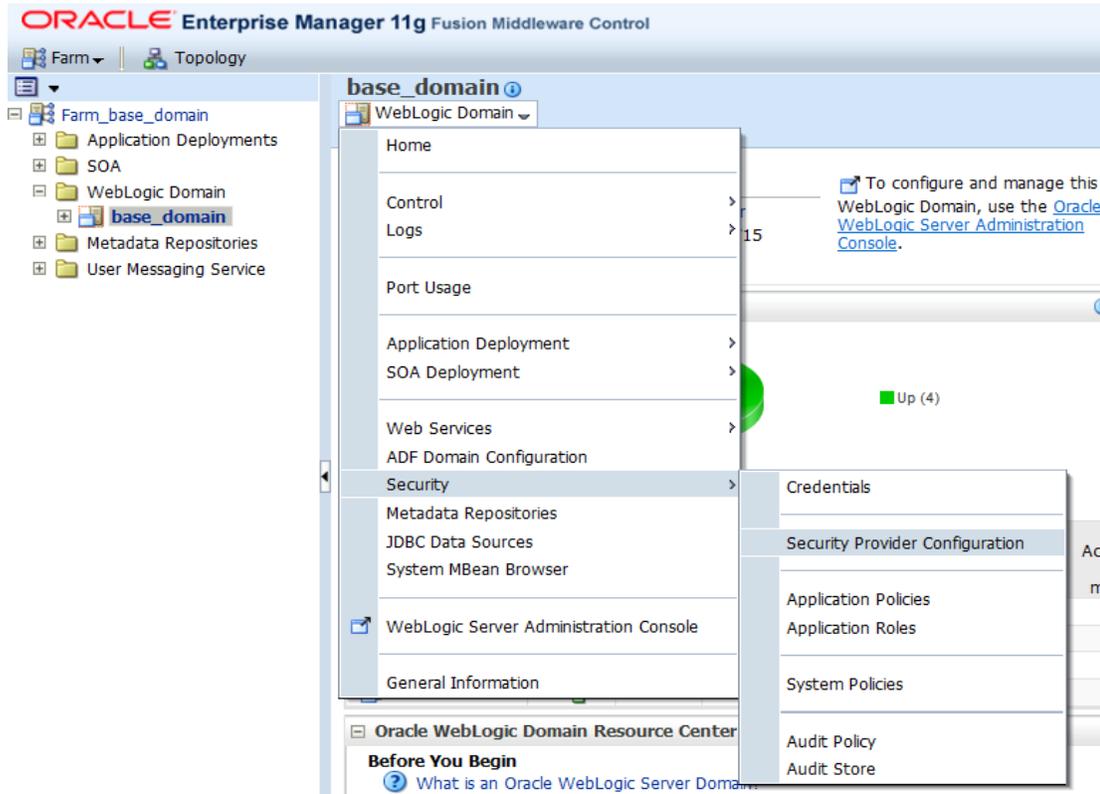
Enter your Weblogic administrator name and password to login.

- In the navigation pane, expand **Weblogic Domain**, and then select the WebLogic domain you created in the SOA configuration tool.

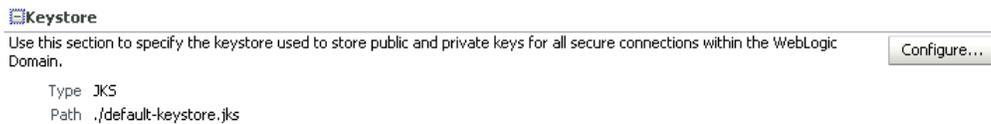


- Right-click on **WebLogic Domain**, then **Security**, and then **Security Provider**

Configuration.



- Expand the Keystore section and click **Configure**.



In the Access Attributes enter welcome1 in the password fields. In the Signature Key enter orakey in the Key Alias field. In Encryption key enter orakey in the Crypt Alias field. In all password fields enter welcome1.

Security Provider Configuration > Configure Key Store

Information
All changes made in this page require a server restart to take effect.

Keystore Configuration OK Cancel

A keystore is a key database that contains both public and private keys. Keystore needs to be configured only at the WebLogic Domain level. You will need to provide the keystore name, path, password and information about default identity certificates.

Configure Keystore Management
 TIP To remove keystore configuration, uncheck Configure Keystore Management checkbox above and click OK.

Keystore Type: JKS

* Keystore Path:

* Password:

* Confirm Password:

Identity Certificates

Specify the default identity certificates (signature and encryption keys) for this keystore. Web Services that are configured to use this keystore will use these identity certificates.

Signature Key	Encryption Key
* Key Alias: <input type="text" value="orakey"/>	* Crypt Alias: <input type="text" value="orakey"/>
* Signature Password: <input type="password"/>	* Crypt Password: <input type="password"/>
* Confirm Password: <input type="password"/>	* Confirm Password: <input type="password"/>

- Click **OK**.
- **Stop WebLogic Admin Server and SOA managed server**
 - To stop the WebLogic Admin Server, Press and hold Ctrl + C in the command window where WebLogic Admin server has been started. Type 'Y' and press the enter key when prompted to terminate the batch job.
 - To stop the SOA managed server, Press and hold Ctrl + C in the command window where SOA managed server has been started Type 'Y' and press the enter key when prompted to terminate the batch job.

Starting the Servers

You must start the servers required for Financial Close Management in the following order:

1. WebLogic Admin Server;
 2. SOA managed server
 3. EPM System servers.
- To start the WebLogic Admin server, select **Start**, then **Programs**, then **Oracle WebLogic**, then **User Projects**, then **<domain>**, and then **Start Admin Server for WebLogic Server Domain**.

(You can also start it with startWebLogic.cmd. For example:

C:\Oracle\Middleware\user_projects\domains\base_domain\bin\startWebLogic.cmd)

Enter the Web Logic admin user name and password if prompted.

The process will take a couple of minutes and is complete when you see '<Server started in RUNNING mode>' in the Command Prompt box.

- To start the SOA managed server, enter the following command at a command prompt:
c:\oracle\middleware\user_projects\domains\<domain>\bin\startmanagedweblogic.cmd soa_server1
where <domain> is the domain you created using the SOA configuration utility.

Enter the Web Logic admin user name and password when prompted.

The process will take a couple of minutes and is complete when you see '<Server started in RUNNING mode>' in the Command Prompt box.

- To start EPM servers, select **Start**, then **Programs**, then **Oracle EPM System**, then **Foundation Services**, then **Start EPM System**.

(You can also start it with start.bat For example:

C:\Oracle\Middleware\user_projects\epmsystem1\bin\start.bat).

Run EPM System Diagnostics to Verify EPM Configuration

To start EPM validator tool, select **Start**, then **Programs**, then **Oracle EPM System**, then **Foundation Services**, then **epmsystem1**, then **EPM System Diagnostic**.

(You can also start it with validate.bat For example:

C:\Oracle\Middleware\user_projects\epmsystem1\bin\validate.bat).

It will launch new browser with status of validation for every EPM components as following (All should be passed as following).

C:\Oracle\Middleware\user_projects\epmsystem1\diagnostics\reports\instance_report_20120420_0223 - Windows Internet Explorer

C:\Oracle\Middleware\usr... x

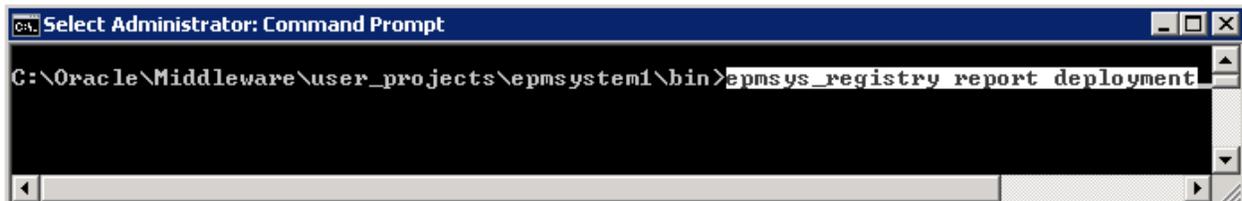
Oracle EPM System
Diagnostics
 Generated on 04/20/2012 14:23 PM
 Validation run on demoserver.example.com
 Build version: 11.1.2.2.0.7790
 EPM System Diagnostics info: 11.1.2.2.0 build 7401-on-03/07/2012 10:35 AM
 OS name: Windows Server 2008 R2
 OS version: 6.1

Test Status	Service	Test Description	Duration
Hyperion Foundation			
PASSED	Audit	Validating that Audit has been initialized	0 seconds
PASSED	CES	Validating that CES has been initialized	0 seconds
PASSED	CFG: Configuration	Validating that configuration tasks have been completed	0 seconds
PASSED	CSS	Validating that CSS has been initialized	0 seconds
PASSED	DB: Database Connectivity	Checking connection to database jdbc:oracle:thin:@localhost:1521:orcl	0 seconds
PASSED	EXT: External Authentication	Check Native Directory external authentication provider configuration	0 seconds
PASSED	HTTP: HTTP	Checking availability of HTTP context http://demoserver.example.com:28080/interop	0 seconds
PASSED	HTTP: HTTP	Checking availability of HTTP context http://demoserver.example.com:28080/arm/login.jsp	0 seconds
PASSED	HTTP: HTTP	Checking availability of HTTP context http://demoserver.example.com:28080/aif/faces/setup/Main.jspx	0 seconds
PASSED	HTTP: HTTP	Checking availability of HTTP context http://demoserver.example.com:28080/oracle-epm-erpi-webservices/RuleService	0 seconds
PASSED	HTTP: HTTP	Checking availability of HTTP context http://demoserver.example.com:28080/fcc/faces/oracle/apps/epm/fcc/FCM.jspx?startup=true	0 seconds
PASSED	HTTP: HTTP	Checking availability of HTTP context http://demoserver.example.com:28080/workspace/status	0 seconds
PASSED	HUB	Validating that HUB has been initialized	0 seconds
PASSED	WEB: Permissions	All HIT entries are present in system-jazn-data.xml	0 seconds
PASSED	LCM	Validating that LCM has been initialized	0 seconds
PASSED	Single Sign-On	Checking availability of login http://demoserver.example.com:28080/interop/logon	0 seconds
PASSED	LNK: Registry	Checking that all components in the registry have a link to host	0 seconds
PASSED	CFG: Environment	Checking whether system path variable length exceeds 2,000	0 seconds
PASSED	REG: Configuration	Checking if product has only one product node in registry.	0 seconds
PASSED	Registry	Validating that Registry has been initialized	0 seconds
PASSED	WEB: Libraries	Check if all shared libraries are targeted for application "FoundationServices0".	0 seconds
PASSED	WEB: Web Application	Availability of Web application context http://demoserver.example.com:28080/interop	0 seconds
PASSED	REG: Web Server	Checking if Web Server linked to the all Web Applications	0 seconds

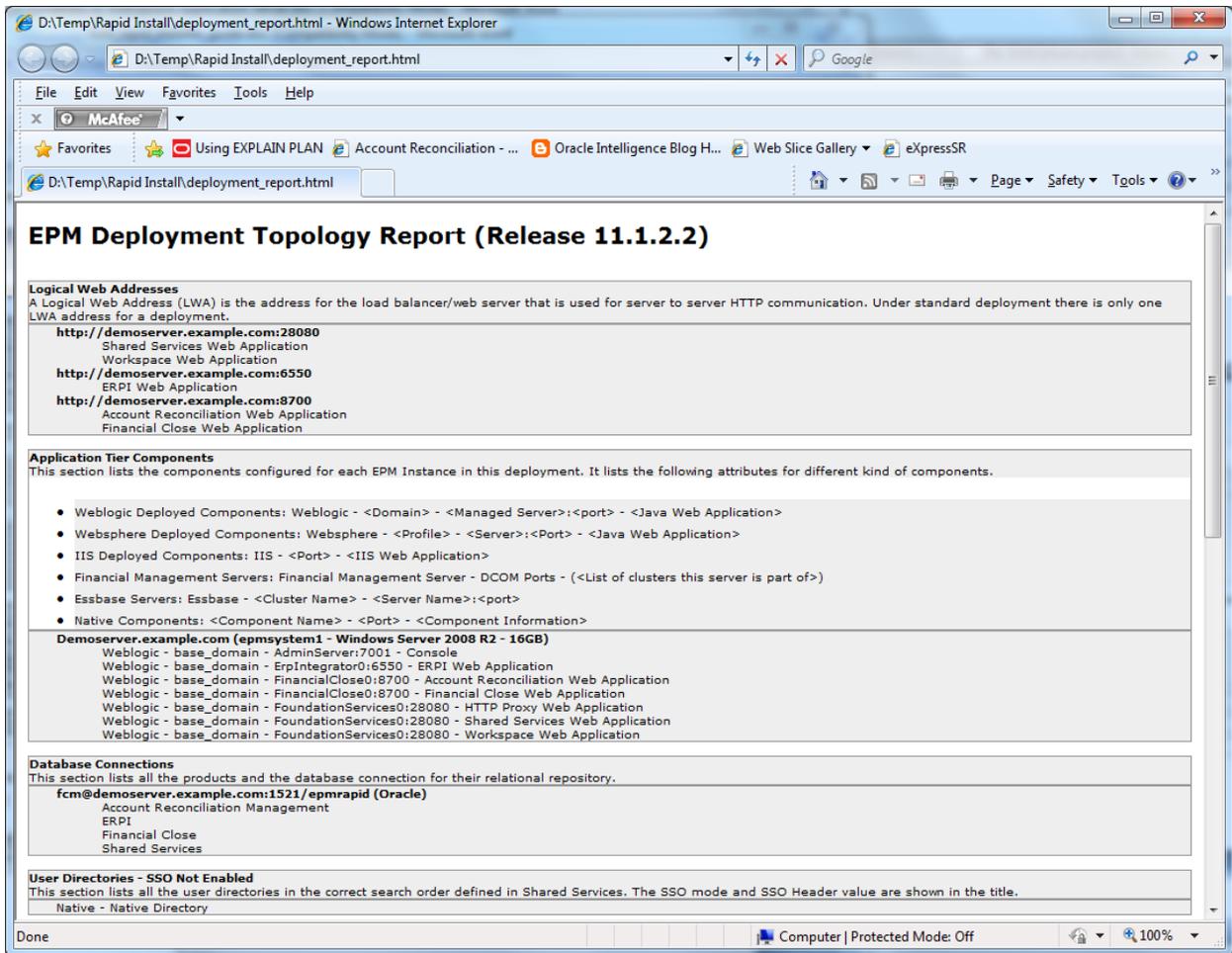
EPM System Registry

You can also run EPM deployment report by epmsys_registry.bat:

For example: C:\Oracle\Middleware\user_projects\epmsystem1\bin\epmsys_registry.bat report deployment



It will launch new browser with report information as following;



Scroll down to the end of the report and you should see all passed and nothing failed as following:

demoserver.example.com - 04/18/2012				
This table lists configuration history of activities on the specified date and server combination.				
Start Time	Duration	Action	Component	Comment
14:25	03:51	Generate Report	EPM Validation Tool	70 Pass, 0 Fail

Run EPM System Diagnostics to Verify Close Manager/Account Reconciliation Manager Configuration

Run EPM System Diagnostics for:

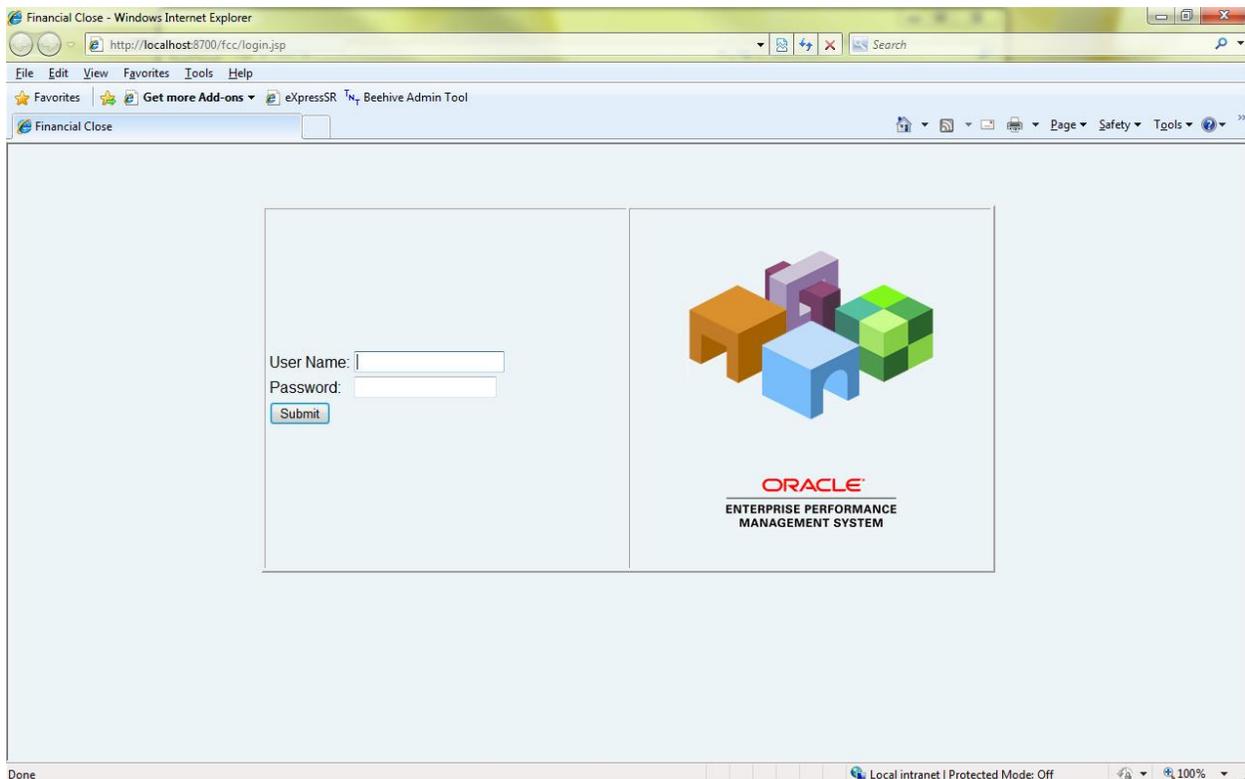
- Close Manger
- Account Reconciliation Manager

Close Manager:

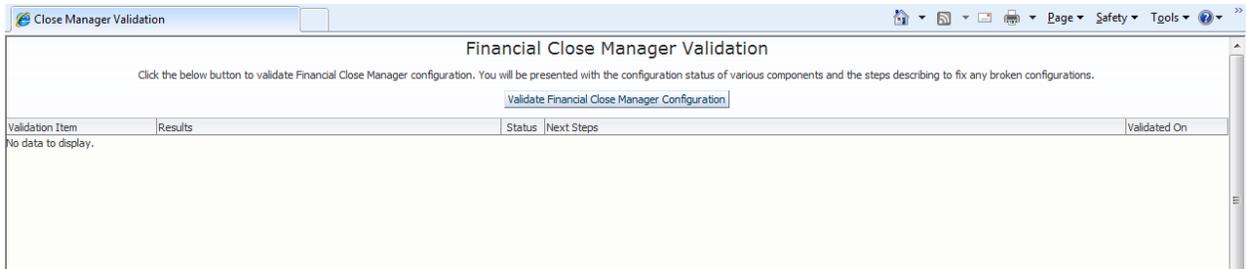
From a Web browser, open the following URL

<http://<HOST>:8700/fcc/faces/oracle/apps/epm/fcc/ui/page/FCCValidation.jspx>

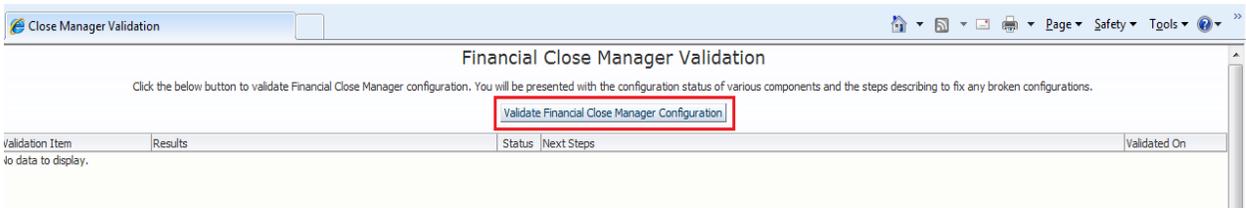
- Where HOST is the name of the machine where FinancialClose0 managed server is configured..



Log on to Close manager with **Shared Services administrator** credentials.



- To validate the close manager configuration, click on “**Validate Financial Close Manager Configuration**” button.



- After validation, the configuration information will be displayed in a tabular form. See the following table for more information on the results.

Validation Item	Results	Status	Next Steps	Validated On
Admin Server	HOST: demosever.example.com PORT: 7001 STATUS: RUNNING DATASOURCES: mds-soa, mds-owsm	✓		Mar 22, 2012 7:28 AM
Foundation Server	HOST: demosever.example.com PORT: 28080 STATUS: RUNNING DATASOURCES: mds-owsm, EPMSysSystemRegistry	✓		Mar 22, 2012 7:28 AM
FCM Managed Server	HOST: demosever.example.com PORT: 8700 STATUS: RUNNING DATASOURCES: financialclose_datasource, accountreconciliation_datasource, EPMSysSystemRegistry	✓		Mar 22, 2012 7:28 AM
SOA Server	HOST: demosever.example.com PORT: 8001 STATUS: RUNNING DATASOURCES: SOADataSource, financialclose_datasource, mds-soa, mds-owsm, accountreconciliation_datasource, SOALocalTxDataSource, OraSDPMDDataSource soa-infra is : ACTIVATED	✓		Mar 22, 2012 7:28 AM
FCM Web Application	VERSION: 11.1.2.0 STATE: ACTIVATED DB TYPE: MS_SQL_SERVER	✓		Mar 22, 2012 7:28 AM
Authentication Providers	DefaultAuthenticator: FOUND Control Flags: SUFFICIENT EPMSysIdentityAsserter: FOUND fcm_valid_users role is created correctly. virtualize flag is true. LibOVD is enabled	✓		Mar 22, 2012 7:28 AM
External Authenticators	No External Providers are configured.	⚠	This is good if you are using embedded LDAP. Please make sure to seed required users to both HSS and embedded LDAP. Else please configure external providers from weblogic admin console. Refer to "Connecting Oracle Internet Directory (OID), Microsoft Active Directory (MSAD), or SunOne to the	Mar 22, 2012 7:28 AM

Below is the list of things that will be displayed in a tabular form

Admin Server	Host Port Status (running/shutdown)	✓ (Green)/✗ (red)	Messages describing the steps to fix in case of ✗ (red)
Foundation Server	Host Port Status DataSources targeted		
FCM Managed Server	Host Port Status DataSources targeted		
SOA Server	Host Port Status DataSources targeted		
FCM Web application	Version: Status: DB Type		
Authentication Providers	Provider configured/ not Control Flag (Sufficient/Not)		
External Authenticators	Lists the Authentication Providers		
SOA Composites	Check whether SOA composites Active/Not		
Foreign JNDI	EDN JMS (in case of sql server) SOA JMS		
OWSM KeyStore	Lists the external Identity store configuration. The tool only lists the values used for the configuration. It is the responsibility of the customer to make sure that the entered values are correct. Warning can be ignored.		

Validate Test Schedule:

The second half of the page has a utility that will generate a test Main Orchestration Process, deploys it to soa server and start a test task. The status for each task is displayed in a table below it and should there be any errors – the possible cause of the error and the way to fix it will be displayed in the last column.

If you are running this part, make sure the user logged into the Diagnostic tool with a user that is also present in HSS.

- Click on **Validate Test Schedule**

Note: The button to run this test is enabled only if all the required configuration from above table is in place – read marked with ✓ instead of ✗.

The screenshot shows a window titled "Close Manager Validation" with a table of validation results. The table has columns for Validation Item, Result, Status, Next Steps, and Validated On. A "Validate Test Schedule" button is highlighted with a red box below the table. Below the button, there is a message: "Clicking the Validate button will deploy a dummy schedule to SOA server and verify that schedules could start."

Validation Item	Result	Status	Next Steps	Validated On
SOA Composites	FCCAlertNotificationComposite : ACTIVE FCCTaskAuthorizationComposite : ACTIVE FCCTaskExecutionComposite : ACTIVE FCCTaskTriggerComposite : ACTIVE FCCIntegrationValidatorComposite : ACTIVE	✓		Mar 22, 2012 7:28 AM
Foreign JNDI	ForeignJNDIProvider-SOA is created and Valid. ForeignJNDIProvider-EDNMS is created and Valid.	✓		Mar 22, 2012 7:28 AM
OWSM KeyStore	KeyStore Referenced: C:\Oracle\middleware\user_projects\domains\base_domain\config\fmwconfig\default-keystore.jks Keystore Exists.	⚠	Please make sure it is configured correctly by following steps "Configuring the Keystore and Modifying the Credential Store" in Installation Guide In case of a multi-node install, make sure that the .jks and cwallet.sso file are on all the machines involved in the install.	Mar 22, 2012 7:28 AM

Clicking the Validate button will deploy a dummy schedule to SOA server and verify that schedules could start.

Validate Test Schedule

Validation Item	Result	Status	Next Steps	Validated On
No data to display.				

- After validation, the configuration information is displayed in a tabular form:

Clicking the Validate button will deploy a dummy schedule to SOA server and verify that schedules could start.

Validate Test Schedule

Validation Item	Result	Status	Next Steps	Validated On
SOA Composite Deployment	The test schedule deployed to SOA server successfully.	✓		Mar 22, 2012 7:29 AM
Business Event	Event to start the schedule was published properly to SOA server.	✓		Mar 22, 2012 7:29 AM
Composite Instance	Schedule is set to Open Status	✓		Mar 22, 2012 7:30 AM
FCM Basic Task	A Basic Task is started from the schedule and it is successfully set to Running status	✓		Mar 22, 2012 7:30 AM
HumanWorkflow	A Basic Task is submitted successfully. Humanworkflow is working fine.	✓		Mar 22, 2012 7:30 AM

Below is the list of things that is displayed in a tabular form:

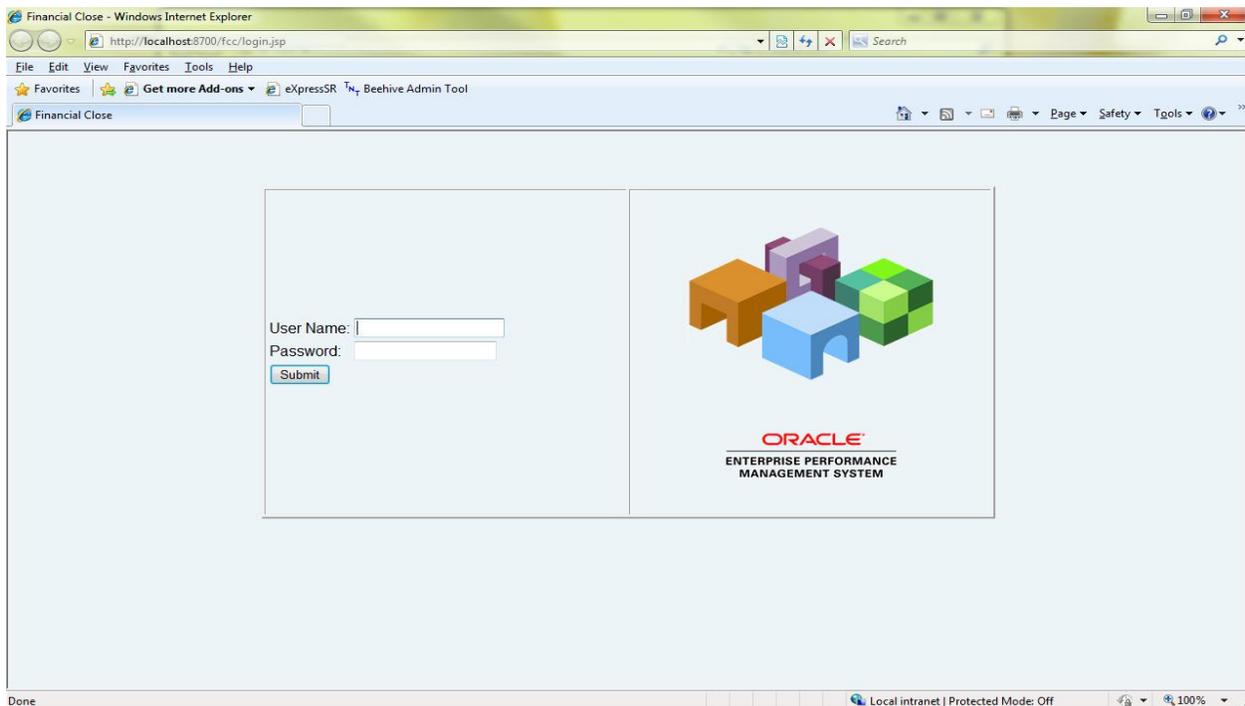
SOA Composite Deployment	Tells if the composite deployment to soa server is successful.	✓ (Green)/✗ (red)	Messages describing the steps to fix in case of ✗ (red)
Business Event	Tells if the business event if fired successfully.		
Composite Instance	Tells if the business event is able to start a Task correctly or not.		
FCM Basic Task	Tells if the basic task is started and successfully set to Running Status.		
Humanworkflow	The above task is submitted internally to confirm if Humanworkflow is working fine.		

Account Reconciliation Manager:

From a Web browser, open the following URL:

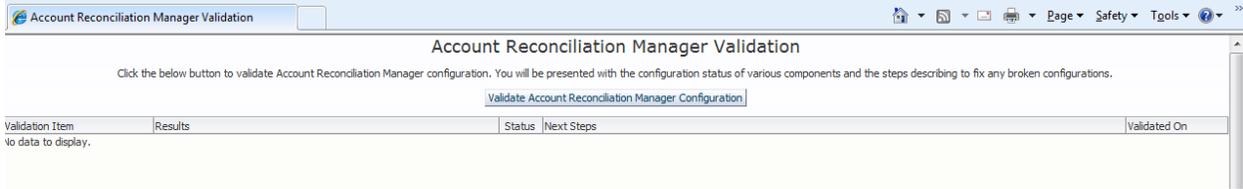
<http://<HOST>:8700/arm/faces/oracle/apps/epm/arm/ui/page/common/ARMValidation.jspx>

- Where HOST is the name of the machine where FinancialClose0 managed server is configured.

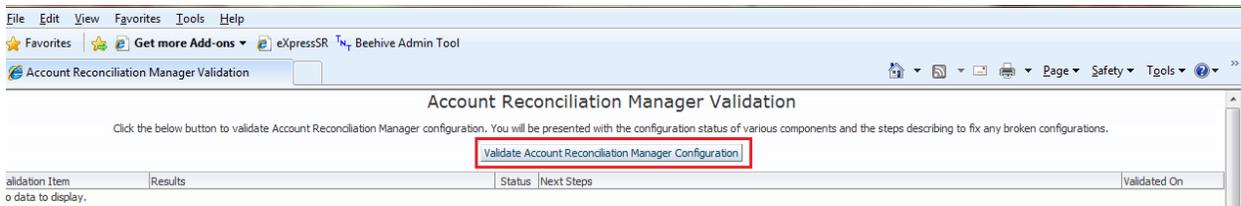


Log on with Shared Services administrator credentials.

- After successful logging in the following screen is displayed.



- To validate the account reconciliation manager configuration, click on the **Validate Account Reconciliation Manager Configuration** button.



- After validation, the configuration information is displayed in a tabular form. See the following table for more information on the results.

Validation Item	Results	Status	Next Steps	Validated On
Admin Server	HOST: demosever.example.com PORT: 7001 STATUS: RUNNING DATASOURCES: mds-soa, mds-owsm	✓		3/22/2012
Foundation Server	HOST: demosever.example.com PORT: 28080 STATUS: RUNNING DATASOURCES: mds-owsm, EPMSysRegistry	✓		3/22/2012
FCM Managed Server	HOST: demosever.example.com PORT: 8700 STATUS: RUNNING DATASOURCES: financialdose_datasource, accountreconciliation_datasource, EPMSysRegistry	✓		3/22/2012
SOA Server	HOST: demosever.example.com PORT: 8001 STATUS: RUNNING DATASOURCES: SOADatasource, financialdose_datasource, mds-soa, mds-owsm, accountreconciliation_datasource, SOALocalTXDataSource, OrasDPMDatasource soa-infra is : ACTIVATED	✓		3/22/2012
ARM Web Application	VERSION: 11.1.2.0 STATE: ACTIVATED DB TYPE: MS_SQL_SERVER	✓		3/22/2012
Authentication Providers	DefaultAuthenticator: FOUND Control Flag: SUFFICIENT EPMSysRegistry: FOUND fcm_valid_users role is created correctly. virtualize flag is true. LibOVD is enabled	✓		3/22/2012
External Authenticators	No External Providers are configured.	⚠	This is good if you are using embedded LDAP. Please make sure to seed required users to both HSS and embedded LDAP. Else please configure external providers from weblogic admin console. Refer to 'Connecting Oracle Internet Directory (OID), Microsoft Active Directory (MSAD), or SunOne to the	3/22/2012

Below is the list of things that will be displayed in a tabular form

Admin Server	Host Port Status (running/shutdown)	✓ (Green)/✗ (red)	Messages describing the steps to fix in case of ✗ (red)
Foundation Server	Host Port Status DataSources targeted		
FCM Managed Server	Host Port Status DataSources targeted		
SOA Server	Host Port Status DataSources targeted		
ARM Web Application	Version: Status: DB Type		
Authentication Providers	Provider configured/ not Control Flag (Sufficient/Not)		
External Authenticators	Lists the Authentication Providers		
SOA Composites	Check whether SOA composites Active/Not		
Foreign JNDI	EDN JMS (in case of sql server) SOA JMS		
OWSM KeyStore	Lists the external Identity store configuration. The tool only lists the values used for the configuration. It is the responsibility of the customer to make sure that the entered values are correct. Warning can be ignored.		

Step 4: Configuring Oracle Data Integrator and ERPI for Account Reconciliation Manager

Note: Throughout the document, DEV_ODI_REPO is used for examples and screenshots.

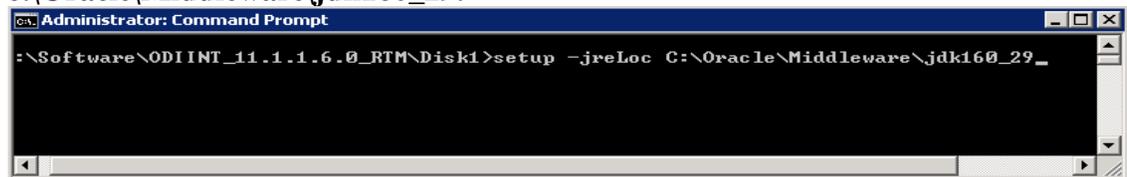
Installing Oracle Data Integrator

To install the Oracle Data Integrator, you run the Oracle Data Integrator Installer with following options:

- ODI Studio (with local agent)
- ODI SDK
- ODI Standalone Agent
- Open a Command Prompt and navigate to `\EPM_rapid_unzipped\ODI\Disk1\` and run the following command:

```
setup -jreLoc <jdk path>
```

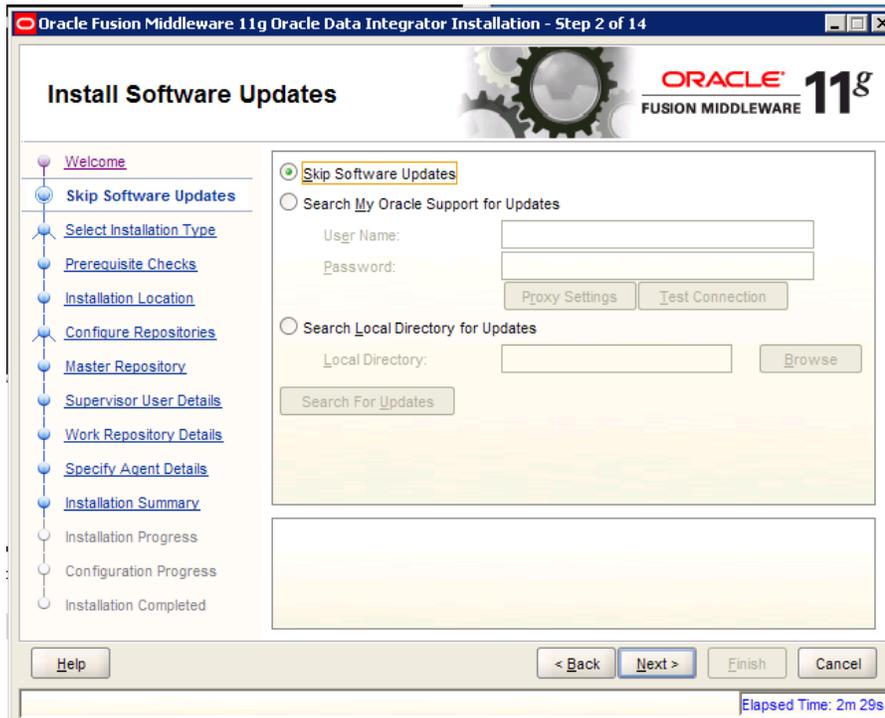
Where `-jreLoc` value has to be your JDK location. In this example, the jdk path is `c:\Oracle\Middleware\jdk160_29_`.



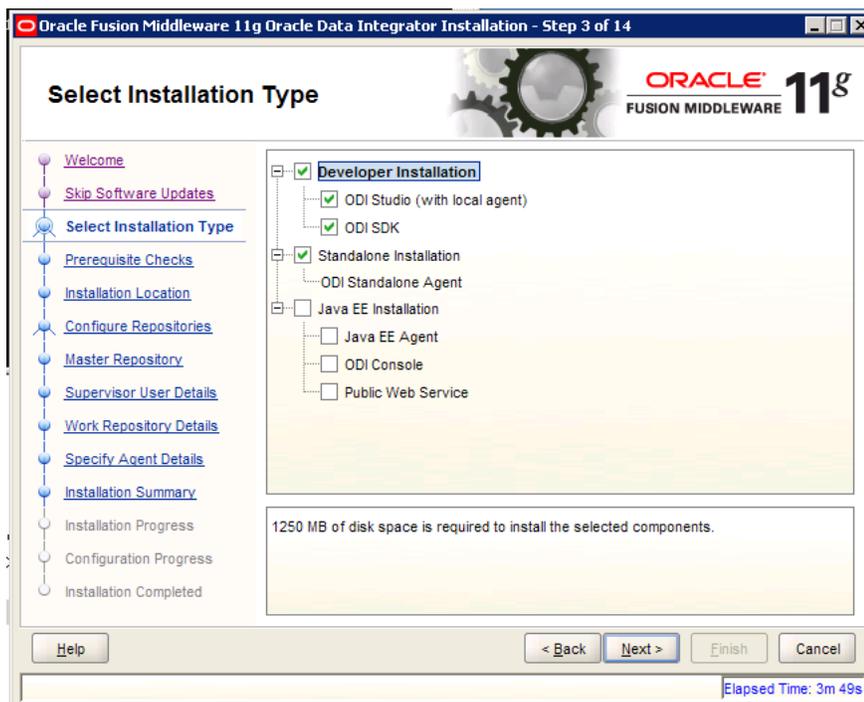
- On the Welcome page, click **Next**.



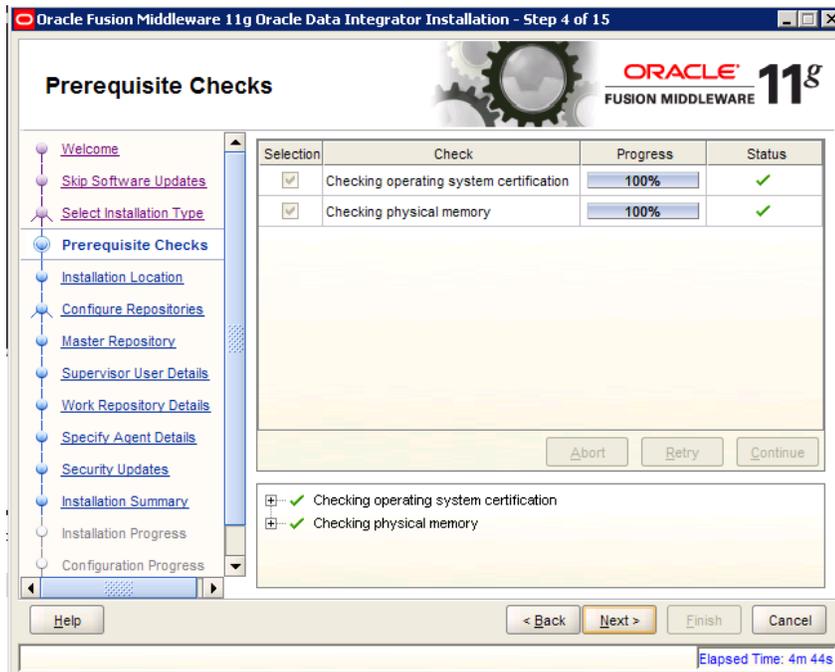
- Select **Skip Software Upgrades**, and click **Next**.



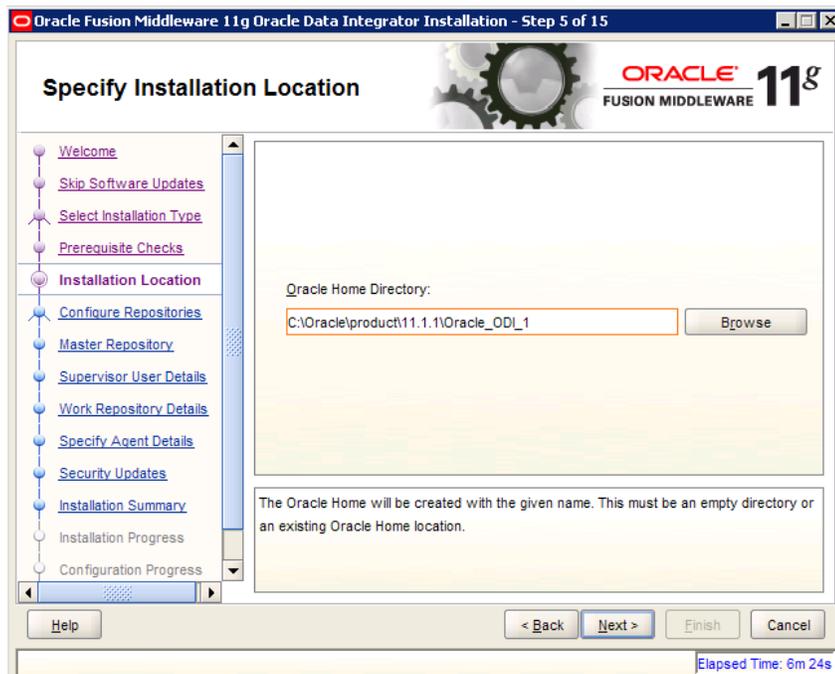
- Select **ODI Studio, ODI SDK, and Standalone Installation**, and click **Next**.



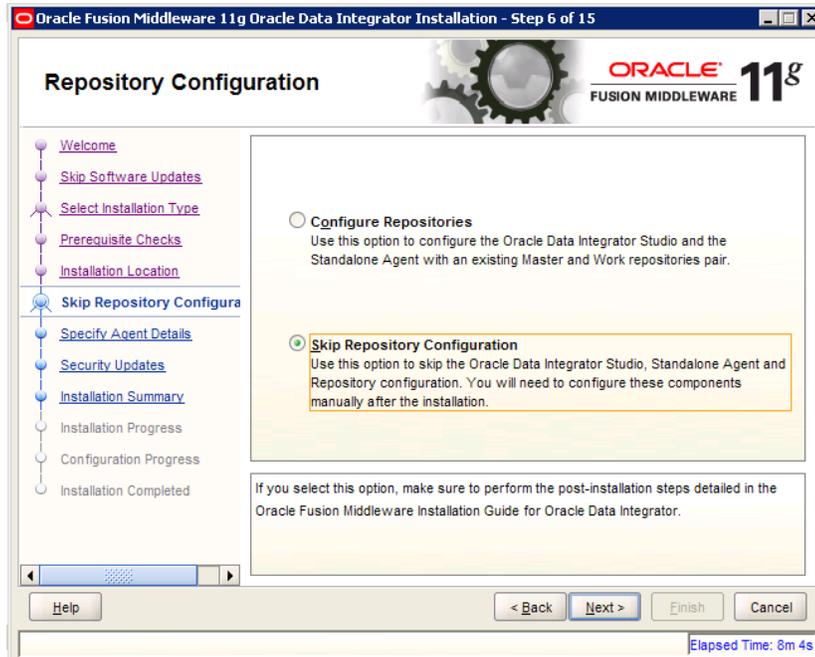
- On Prerequisite checks, click **Next**.



- On the Installation location screen, choose the default and then click **Next**.



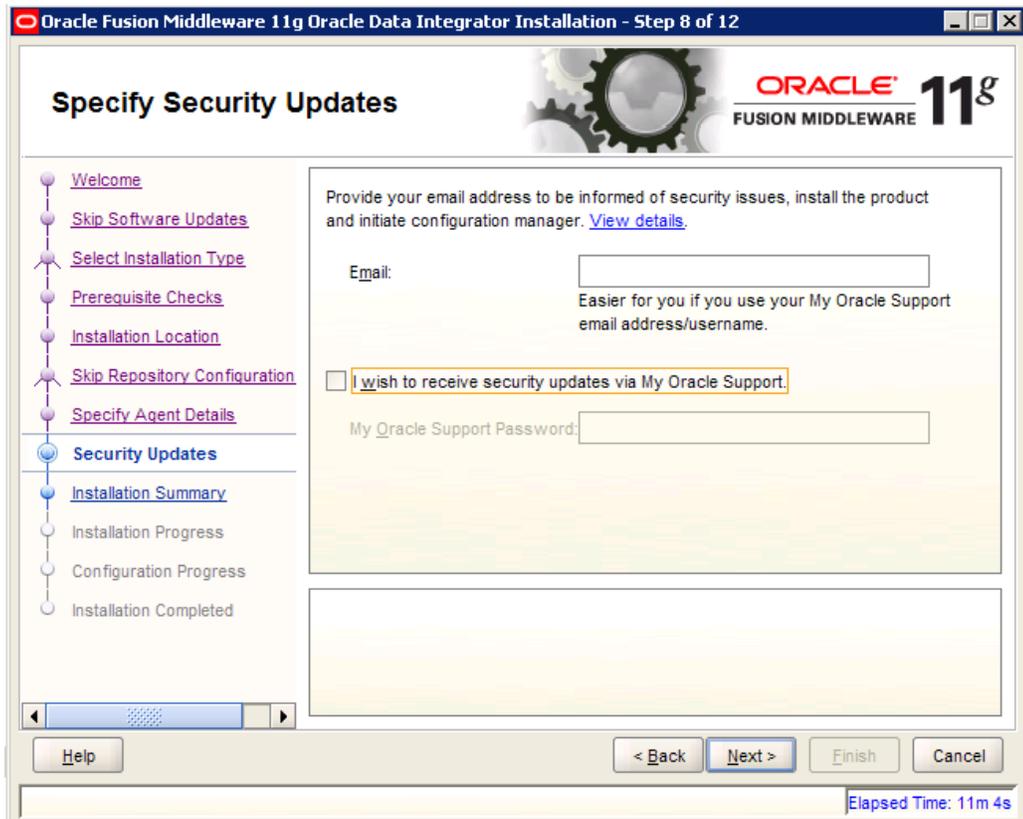
- On the Repository Configuration screen, select **Skip Repository Configuration** and click **Next**.



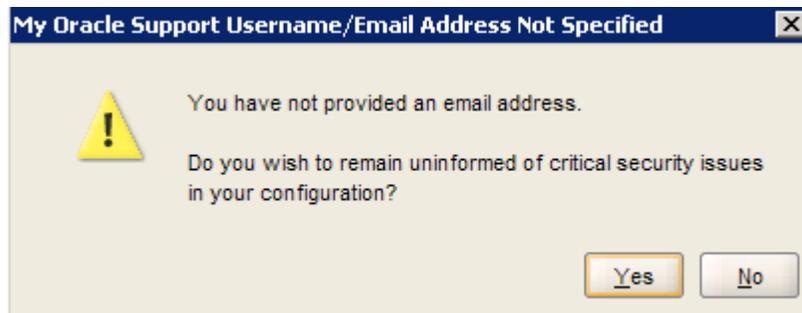
- On the Agent Details screen, enter **ERPI_AGENT** and **20910** and click **Next**.



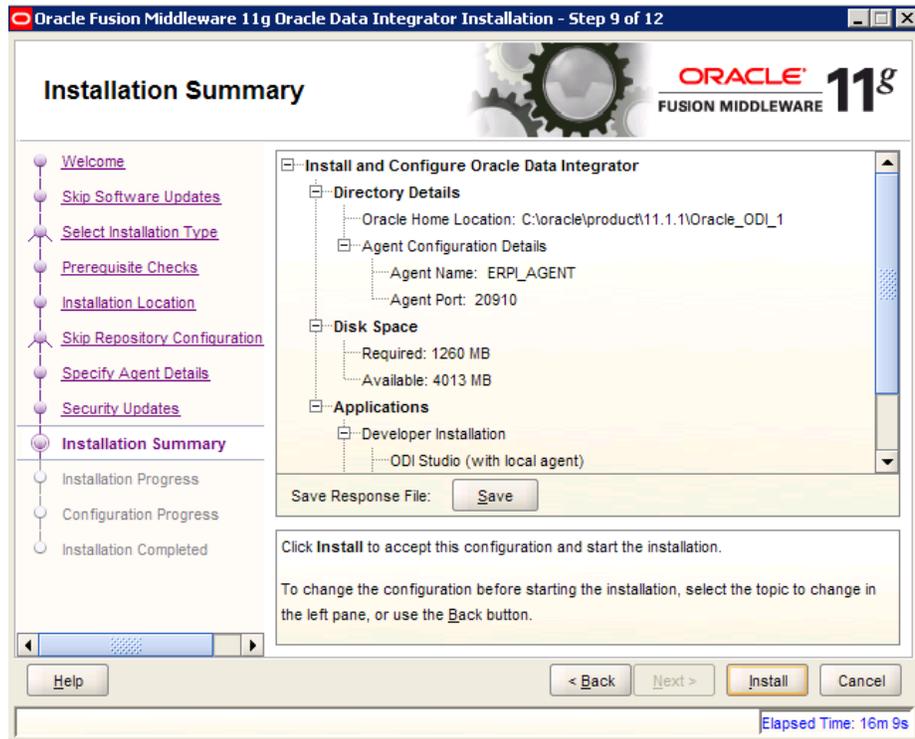
- On the Security Updates screen, clear **I wish to receive security updates...** and click **Next**.



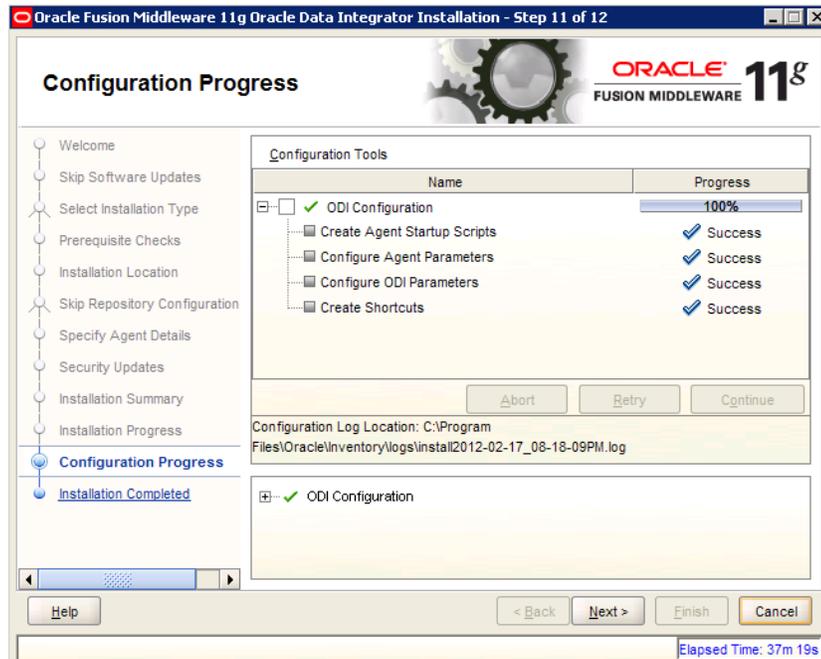
Click **Yes** on the warning screen.



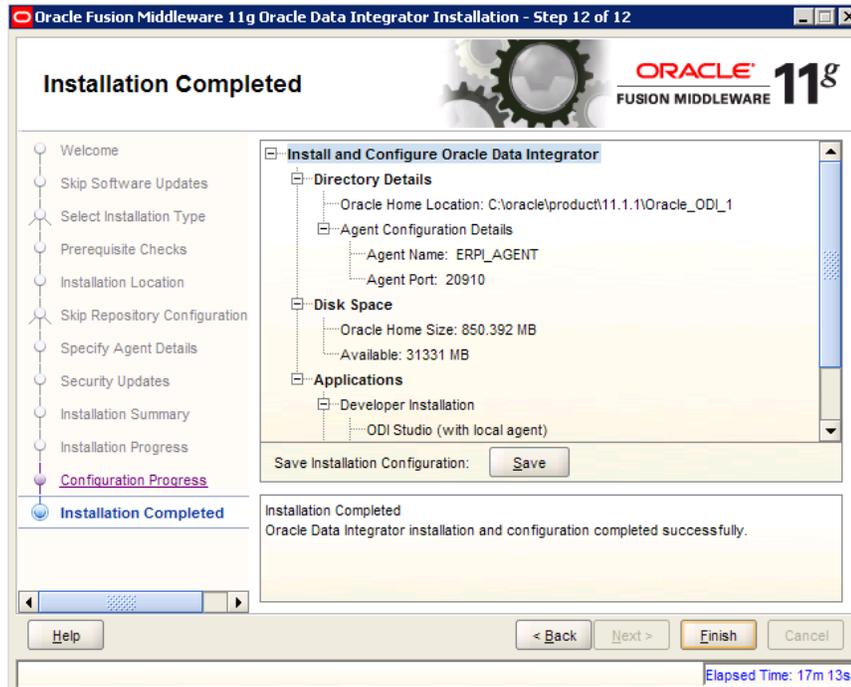
- On the Installation Summary screen, click **Install**.



- On the Configuration Progress screen, click **Next**.



- On the Installation Completed screen, click **Finish**.



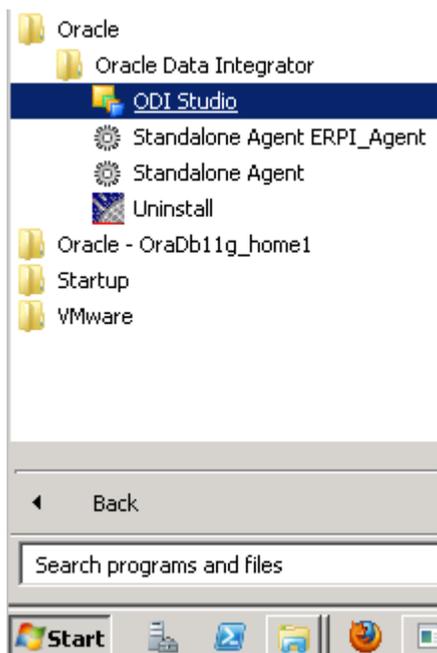
Configuring Oracle Data Integrator

Configuration of Oracle Data Integrator requires you to perform the following tasks:

Import Master Repository

- Start ODI Studio: Click **Start**, then **Program Files**, then **Oracle**, then **Oracle Data Integrator**, and then **ODI Studio**.

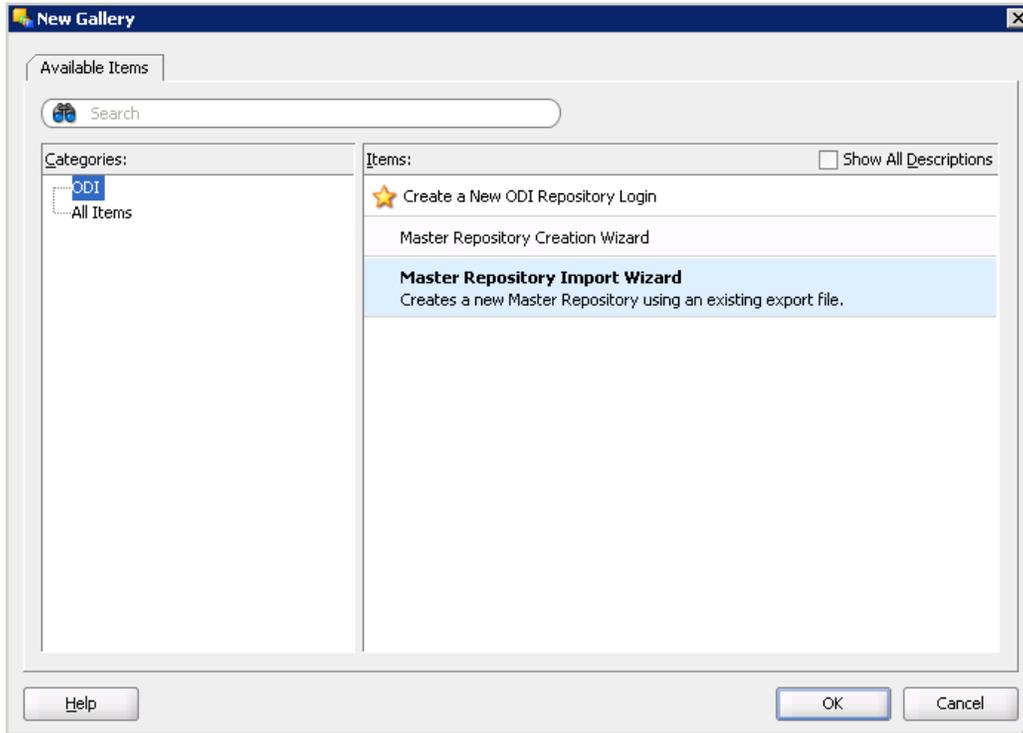
Note: Launching ODI for the first time may ask for migration of previous settings. You can ignore it and select **No**



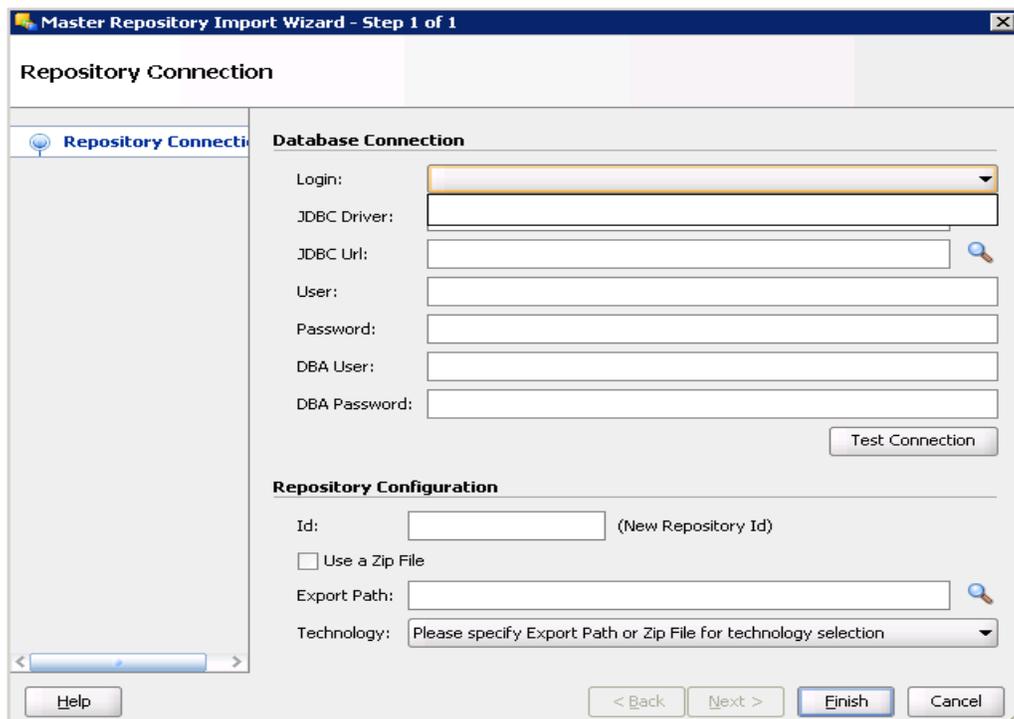
- Go to **File**, and then **New**



- Select **Master Repository Import Wizard** from New Gallery and click **OK**



- The **Master Repository Import Wizard** is displayed. Fill in the following fields;



- On the **Master Repository Import Wizard** screen;
 - 1) Enter the database connection details for ODI Schema you created:
 - For JDBC Driver, select **oracle.jdbc.OracleDriver**
 - For JDBC URL, use the following string; jdbc:oracle:thin:@<host>:1521:<SID> where <host> is the name of the Machine, <SID> is the database service name that is available in C:\app\<user>\product\11.2.0\dbhome_1\NETWORK\ADMIN\tnsnames.ora;
Example: jdbc:oracle:thin:@demoserver.example.com:1521:orcl
 - For User/Password, use **ODI schema** user (DEV_ODI_REPO) and password welcome1
 - For DBA User/DBA Password, use 'sys as SYSDBA' user and password for user sys
 - 2) Enter 500 for **New Repository ID** (it is required to enter 500)
 - 3) Enter masterrep folder for **Export Path**. The **masterrep** folder can be found from EPM installation location:
C:\Oracle\Middleware\EPMSys11R1\products\FinancialDataQuality\odi\11.1.2.2.00\masterrep
 - 4) Be sure to test connection with **Test Connection**.
 - 5) To start importing the master repository, click **Finish**.

Master Repository Import Wizard - Step 1 of 1

Repository Connection

Database Connection

Login: [Dropdown]

JDBC Driver: oracle.jdbc.OracleDriver

JDBC Url: jdbc:oracle:thin:@demoserver.example.com:1521:orcl

User: DEV_ODI_REPO

Password: [Masked]

DBA User: sys as sysdba

DBA Password: [Masked]

Test Connection

Repository Configuration

Id: 500 (New Repository Id)

Use a Zip File

Export Path: system11R1\products\FinancialDataQuality\odi\11.1.2.2.00\masterrep

Technology: Oracle

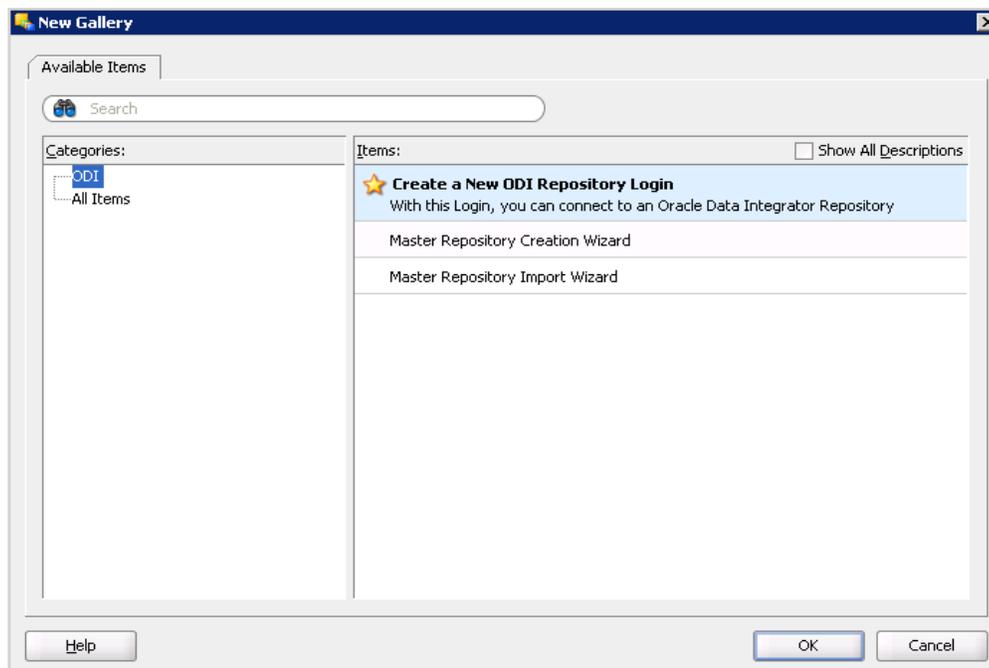
Help < Back Next > Finish Cancel

Create Master Repository Login

- Go to **File**, and then **New**



- On New Gallery screen, select **Create a New ODI Repository Login** and click **OK**



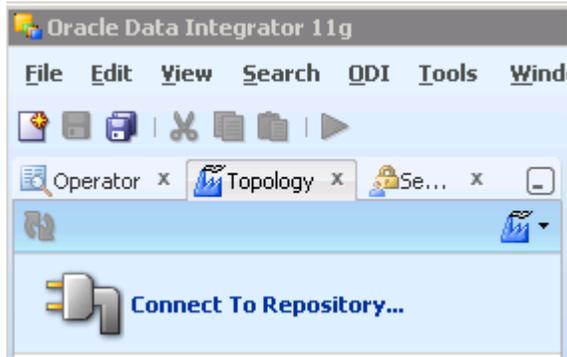
- On **Repository Connection Information** screen;
 - Enter Login Name (For example: Master Repository)
 - Enter User and Password (User is **SUPERVISOR** and Password is **SUNOPSIS**). It is case sensitive.
 - Enter **Database Connection** information(the same as in previous step).
 - Select **Master Repository Only** option.
 - Test DB connection with the **Test** button.
 - Click **OK**

The screenshot shows a dialog box titled "Repository Connection Information" with a close button (X) in the top right corner. The dialog is divided into three main sections:

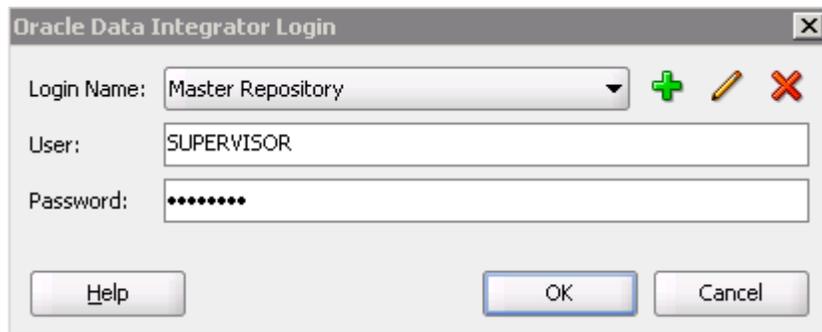
- Oracle Data Integrator Connection:** This section contains three text input fields: "Login Name" (containing "Master Repository"), "User" (containing "SUPERVISOR"), and "Password" (containing seven dots).
- Database Connection (Master Repository):** This section contains four fields: "User" (containing "DEV_ODI_REPO"), "Password" (containing seven dots), "Driver List" (a dropdown menu showing "Oracle JDBC Driver"), and "Driver Name" (containing "oracle.jdbc.OracleDriver"). Below these is a "Url" field containing "jdbc:oracle:thin:@demoserver.example.com:1521:orcl".
- Work Repository:** This section contains two radio buttons: "Master Repository Only" (which is selected) and "Work Repository" (with an empty text field next to it). Below these is a checkbox labeled "Default Connection" which is currently unchecked.

At the bottom of the dialog, there are four buttons: "Help", "Test", "OK", and "Cancel". The "OK" button is highlighted with a blue border.

- Click on the **Connect To Repository** link

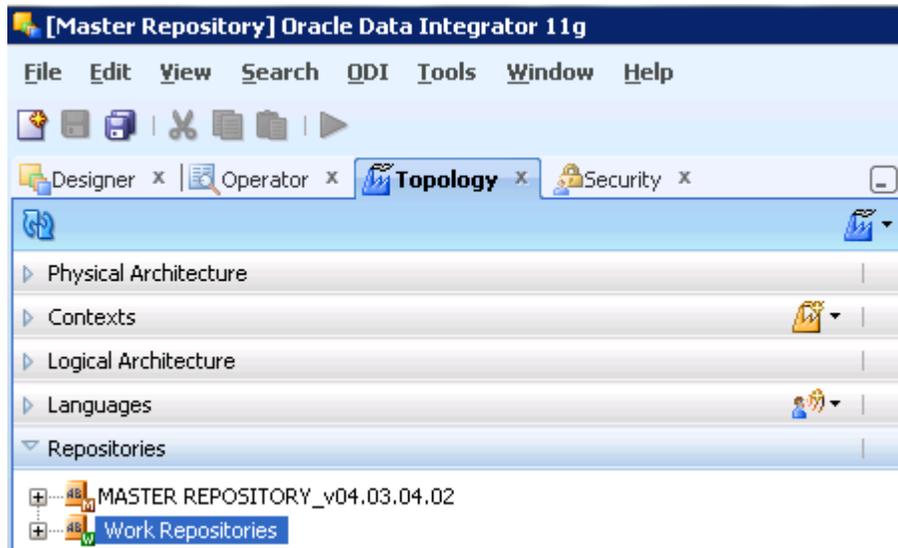


- Login to ODI Studio with the Master Repository login (**SUPERVISOR / SUNOPSIS**).

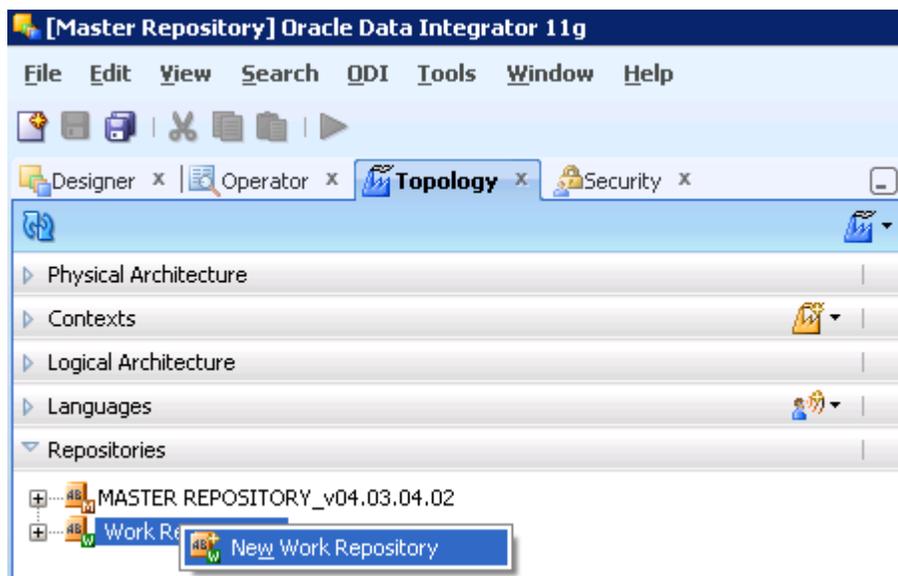


Create Work Repository

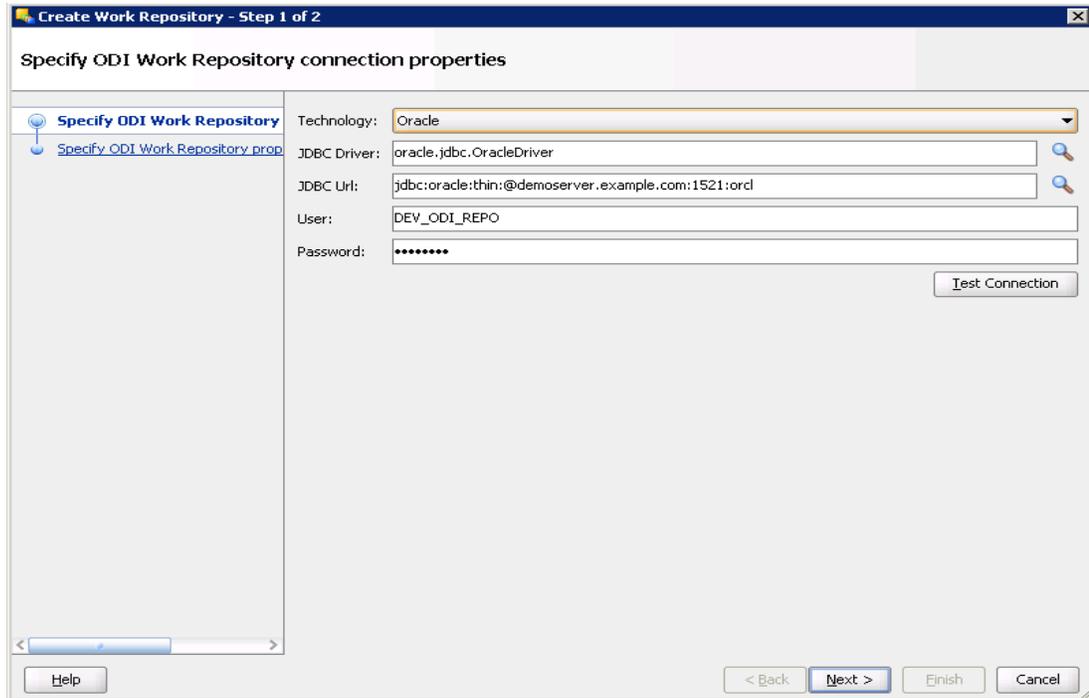
- On ODI Studio, go to **Topology** tab and expand **Repositories** panel.



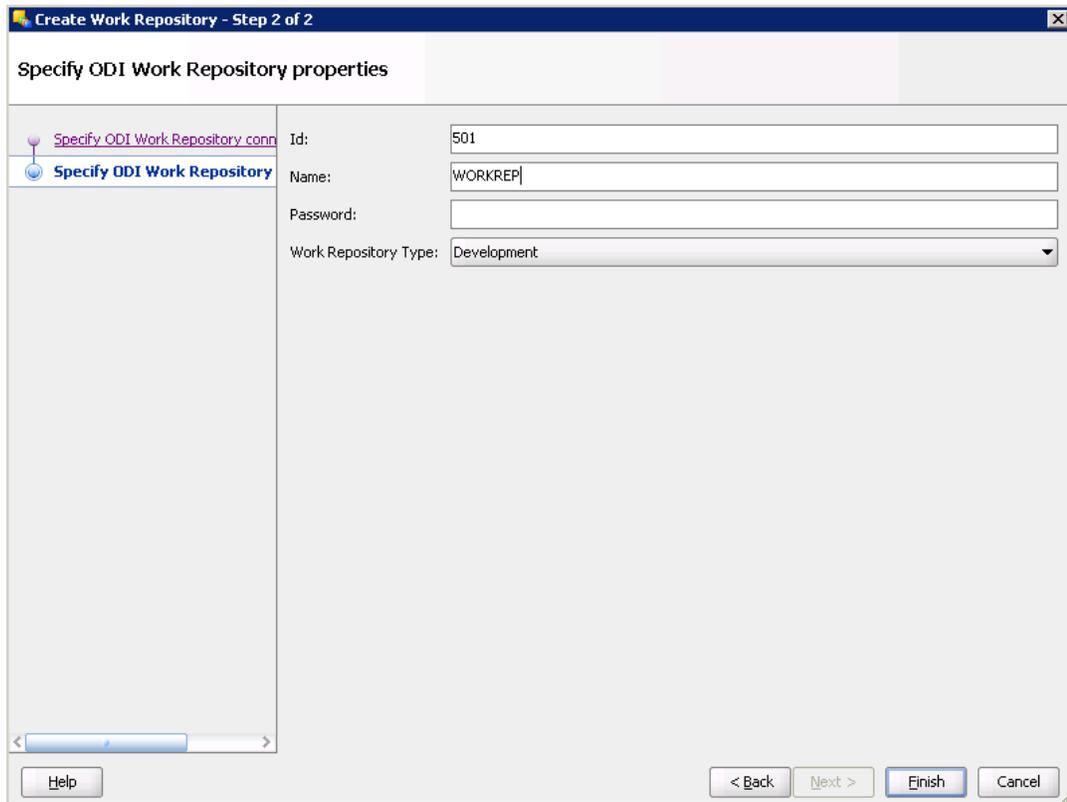
- Right click on **Work Repositories** and click on **New Work Repository**.



- On **Create Work Repository wizard** screen;
 - Enter DB connection information (values are auto populated) and validate the connection with the **Test Connection** button.
 - Click **Next**



- On the next **Create Work Repository wizard** screen:
 - Enter 501 for **Id** (It is required to enter 501).
 - Enter WORKREP for **Name** (WORKREP is recommended name).
 - Don't enter anything for **Password**.
 - Click **Finish**.



- When ODI asks for creating a login for work repository, click **Yes** and create it with the name **WORKREP** (WORKREP is the recommended name).

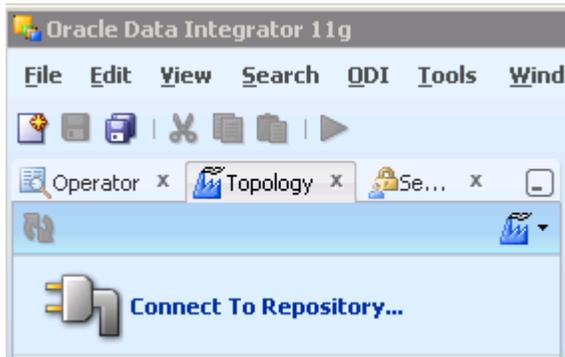


- Log off from the Master repository: Click **ODI**, and then **Disconnect “Master Repository”**.

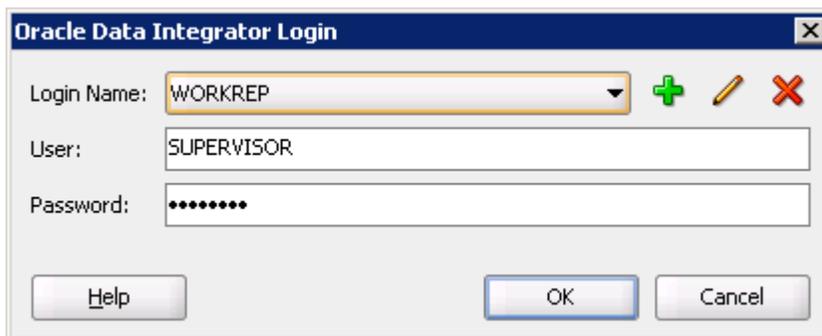


Import Work Repository

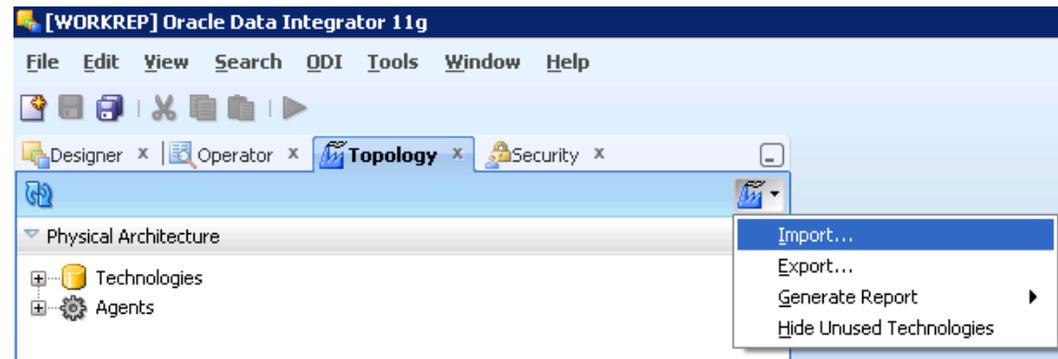
- Click on the **Connect To Repository** link



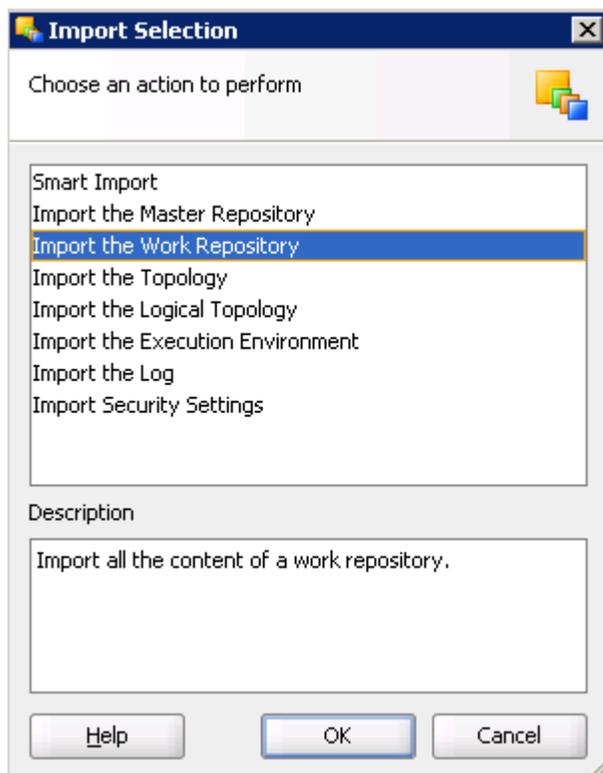
- Log on to ODI Studio with **WORKREP** (SUPERVISOR/SUNOPSIS)



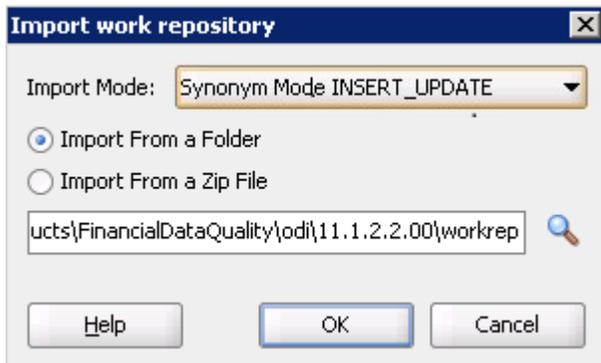
- Go to the Topology tab and click on **Import**.



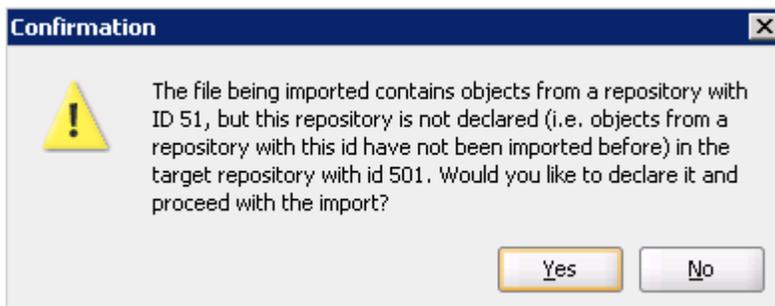
- On the Import Selection screen, select **Import the Work Repository** and click **OK**;



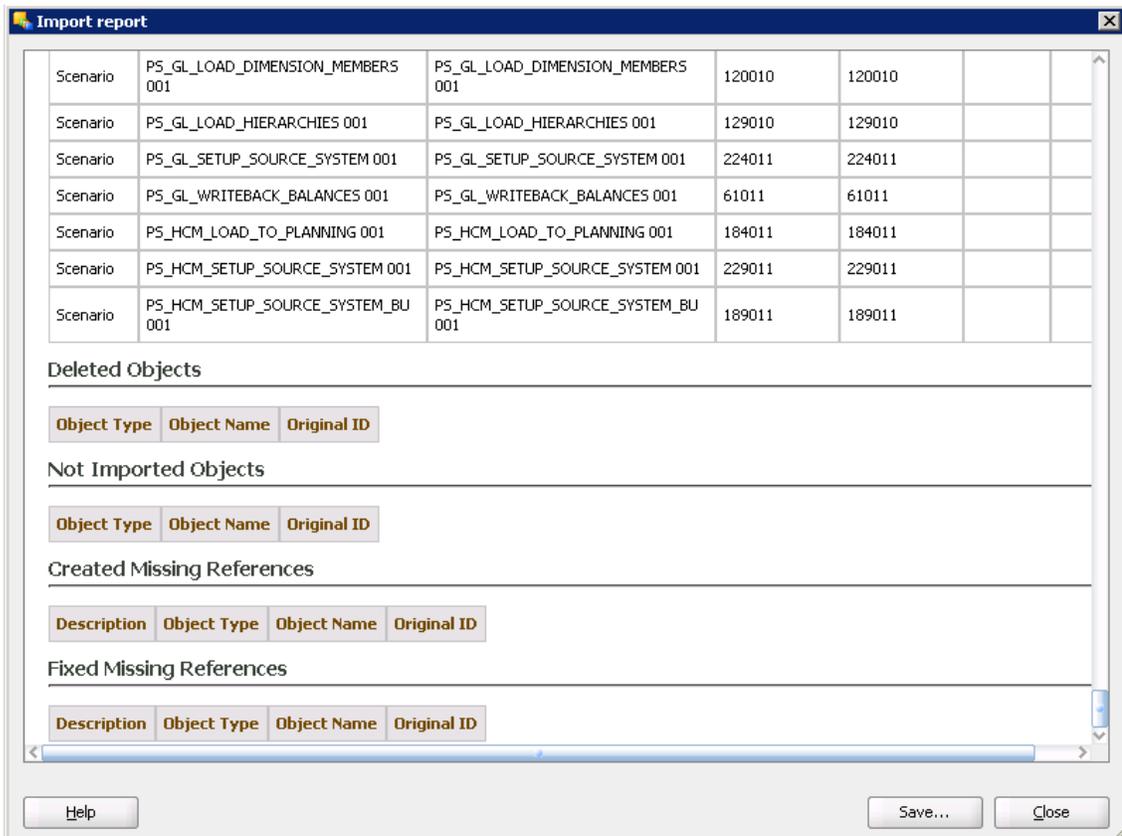
- On **Import work repository** screen;
 - Select **Import Mode** as '**Synonym Mode Insert_Update**'
 - Select **Import from a Folder** option
 - Enter workrep folder. The **workrep** folder can be found from EPM installation location for ERPI:
C:\Oracle\Middleware\EPMSys11R1\products\FinancialDataQuality\odi\11.1.2.2.00\workrep
 - Click **OK**



- When asked for your confirmation, click **Yes** (You need to repeat the confirmation several times for different IDs)



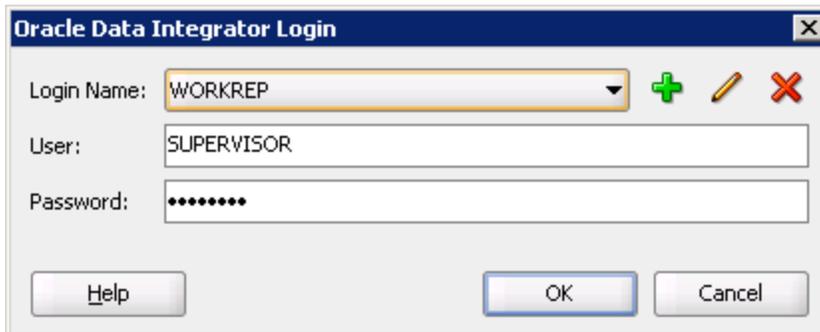
- When **Import report** screen is shown, scroll to bottom of the screen, check nothing is listed under **Not Imported Object**, and click **Close**.



Configuring ODI Topologies

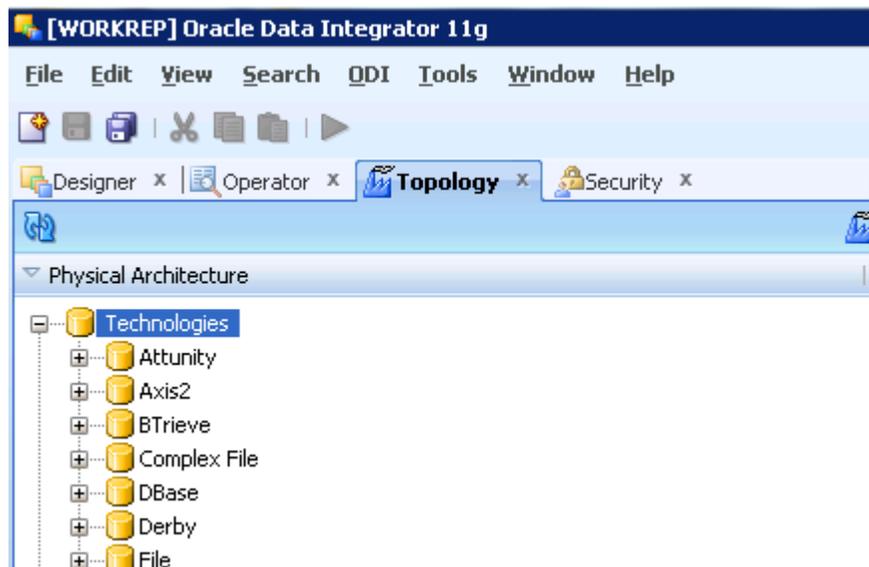
After you imported Master and Work repositories, ODI has the base topology objects for ARM and ERPI servers. You must update the connection information for **ARM_DATA_SERVER** and **ERPI_DATA_SERVER**.

If you're not already logged in to ODI Studio as WORKREP (SUPERVISOR/SUNOPSIS) do so now

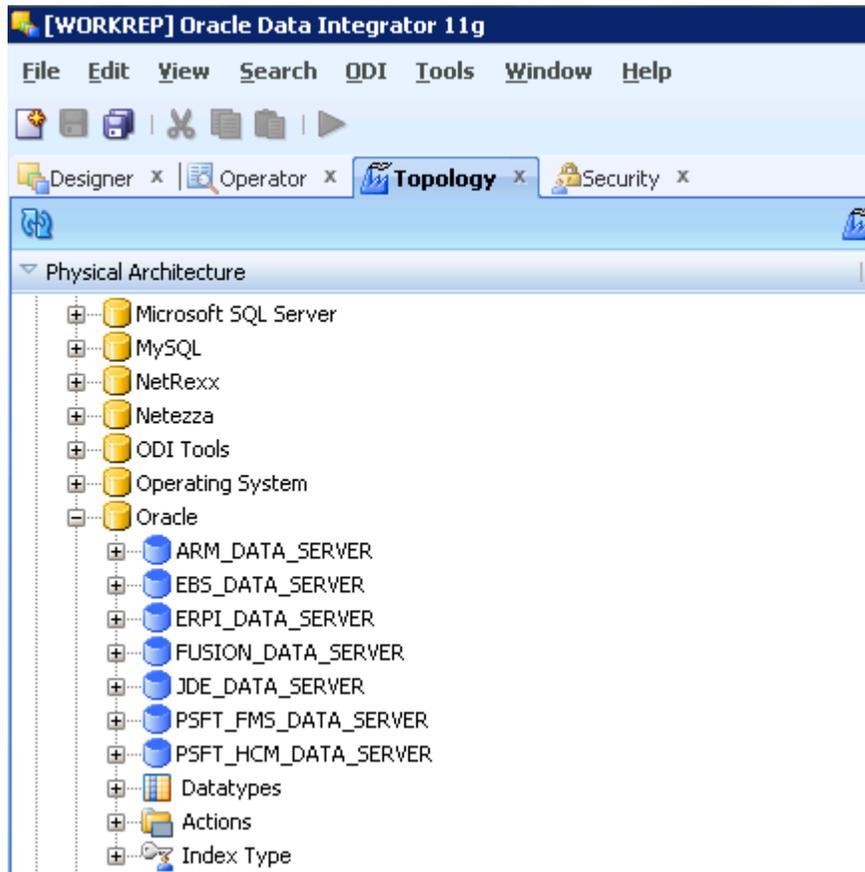


Configuring Physical schema for ARM and ERPI

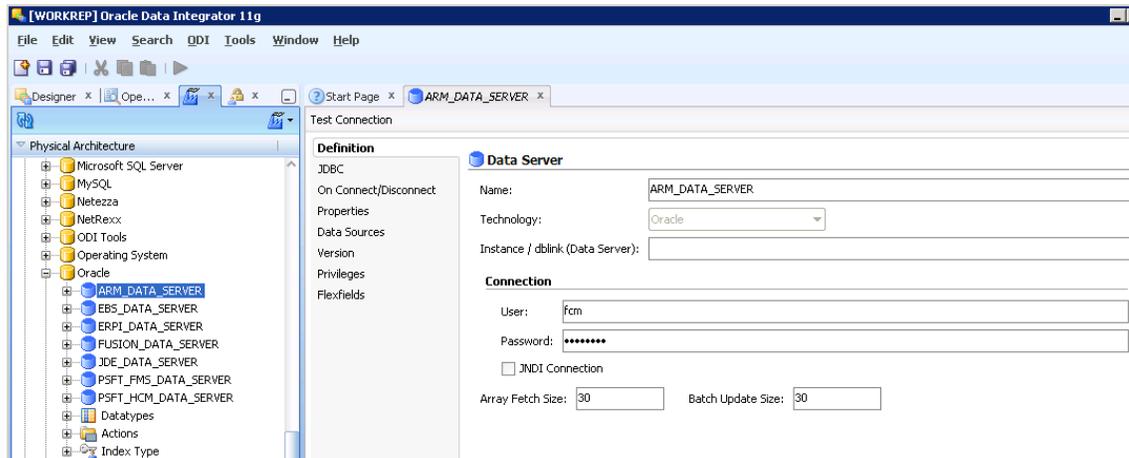
- Go to the **Topology** tab and expand **Technologies** under **Physical Architecture** panel



- Expand the Oracle folder (It has Physical servers for ARM and ERPI)

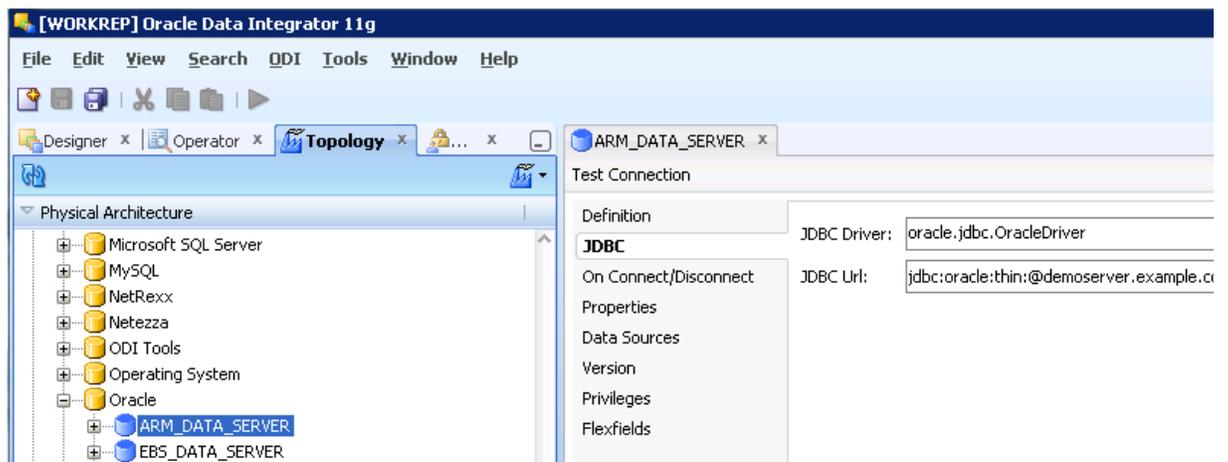


- Double click to open ARM_DATA_SERVER.
- On **Definition** screen, enter your ARM schema (fcm) and password (welcome1).

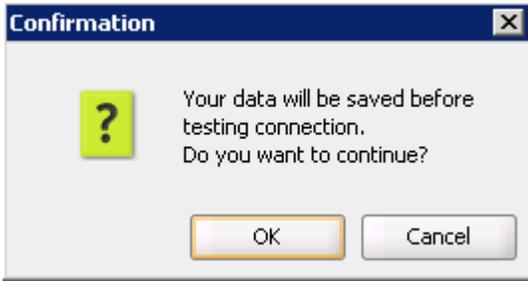


- Click the **JDBC** tab on the left side of the ARM_DATA_SERVER window, enter JDBC Driver and URL. To test the URL: Above the Definition tab, click **Test Connection**.

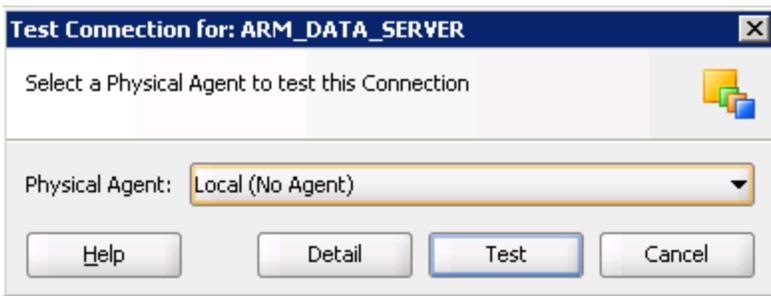
For example: jdbc:oracle:thin:@demoserver.example.com:1521:orcl



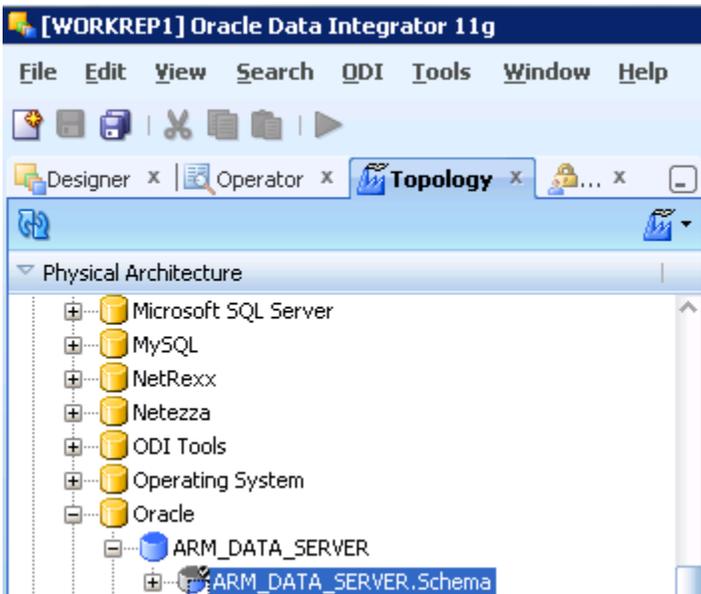
When you are asked to save and continue, click **OK**



Choose **No Agent** to test the connection (note that you haven't configured ODI Agent yet) and click **Test**

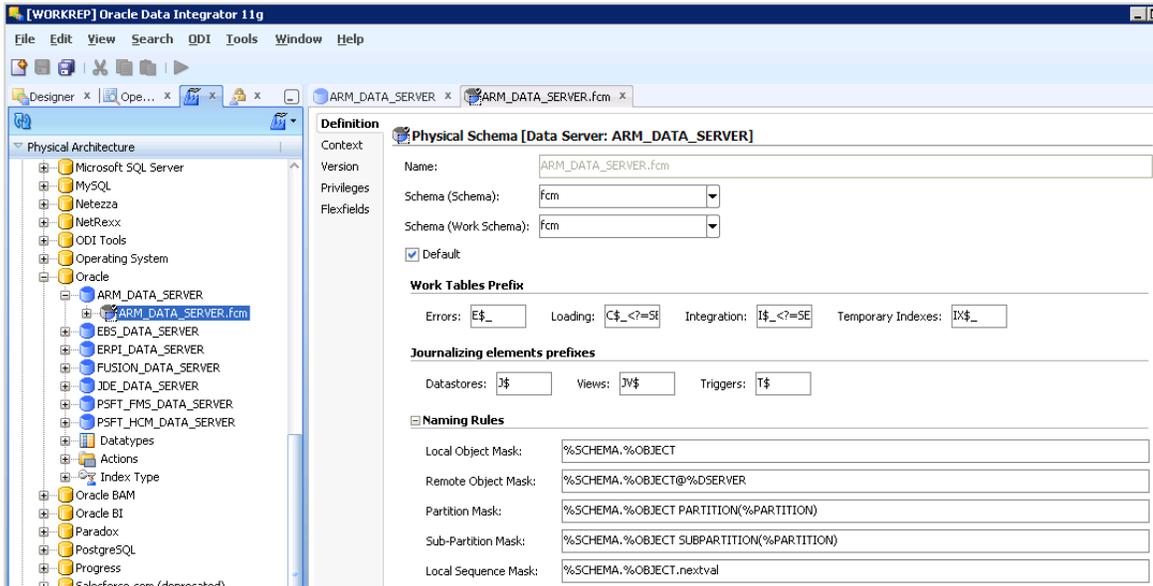


- Expand ARM_DATA_SERVER
- Double click to open the Physical schema (ARM_DATA_SERVER.Schema)

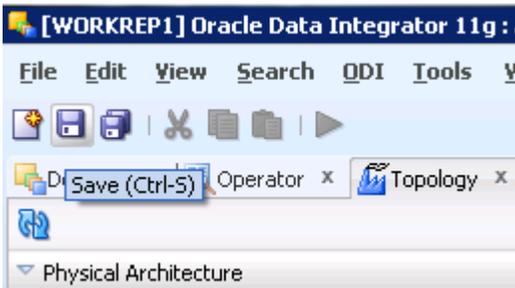


- On Definition screen, select physical schema (fcm) for **Schema(Schema)** and **Schema(Work**

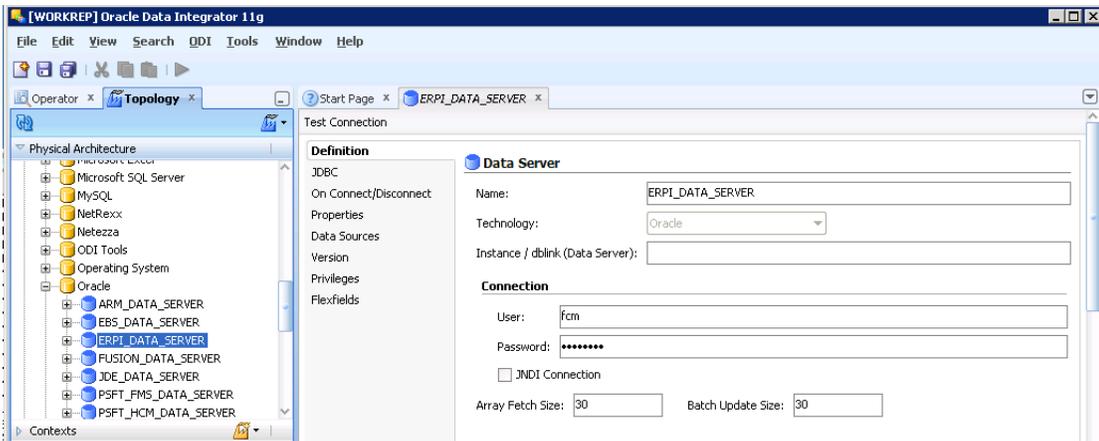
Schema)



- Save the changes you made to the Physical schema, click **Save**

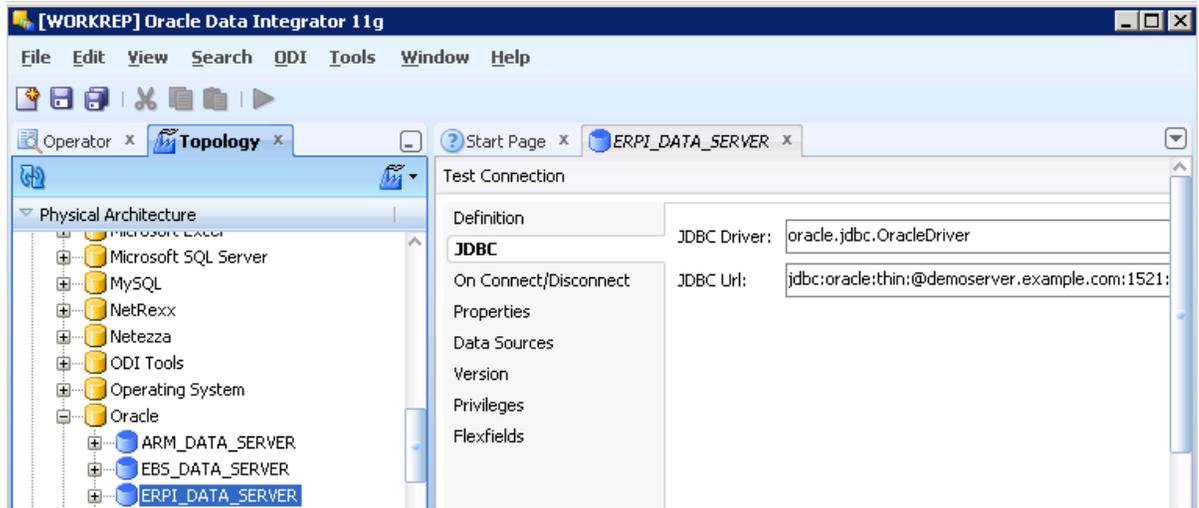


- Double click to open ERPI_DATA_SERVER.
- On **Definition** screen, enter ERPI schema (fcm) and password (welcome1).

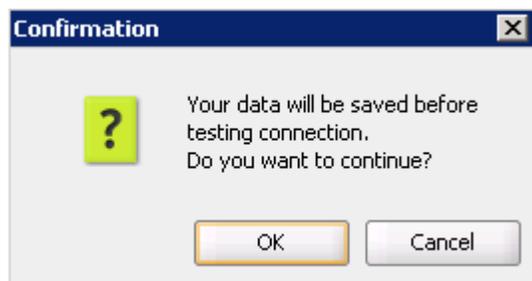


- Click the **JDBC** tab on the left side of the ERPI_DATA_SERVER window, enter JDBC Driver and URL. To test the URL: Above the Definition tab, click **Test Connection**.

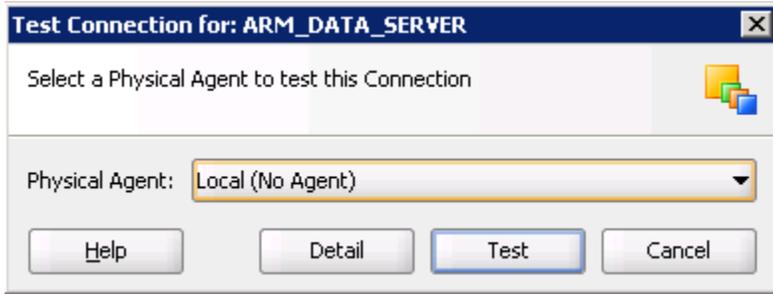
For example: jdbc:oracle:thin:@demoserver.example.com:1521:orcl



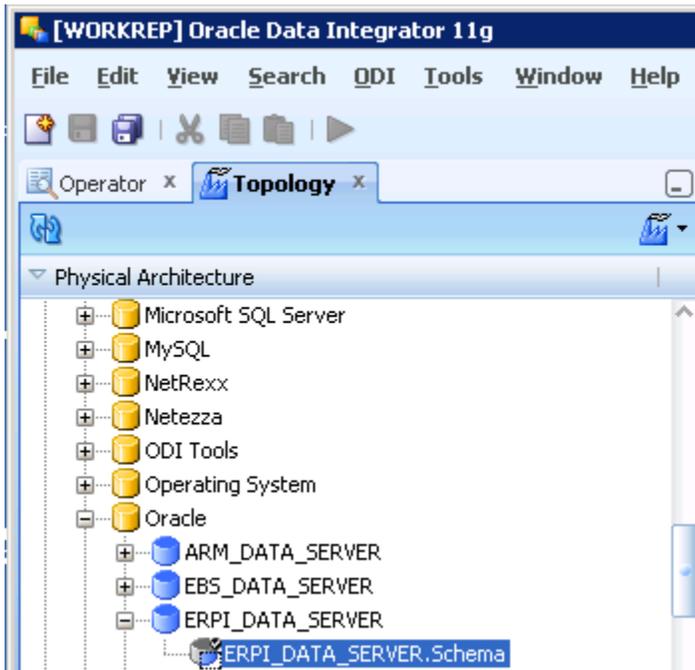
When you are asked to save and continue, click **OK**



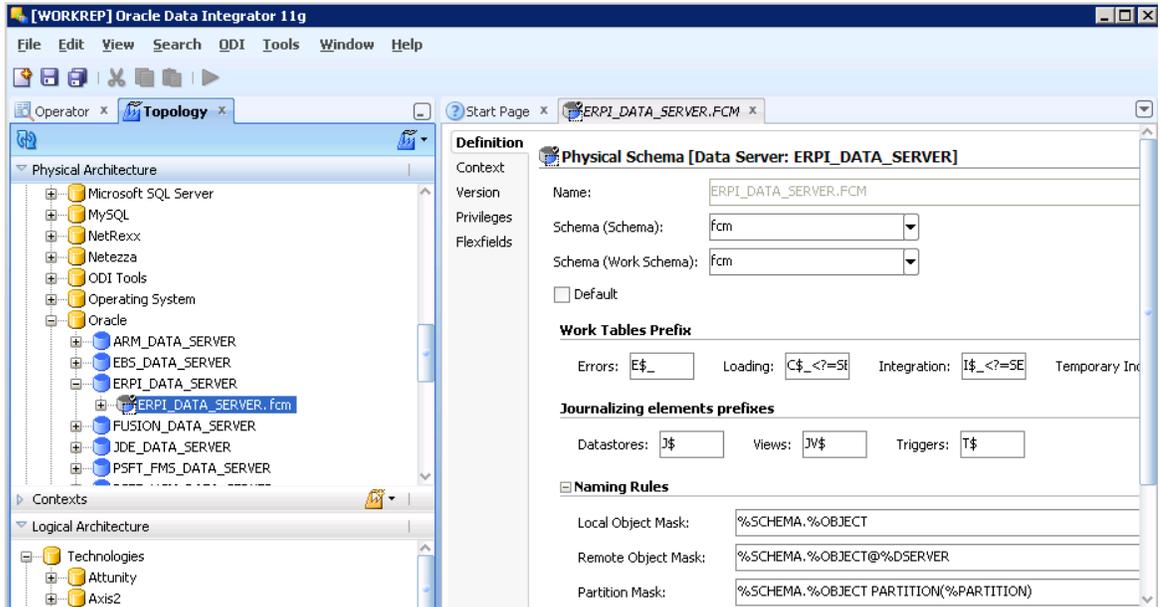
Choose **No Agent** to test the connection (note that you haven't configured ODI Agent yet) and click **Test**



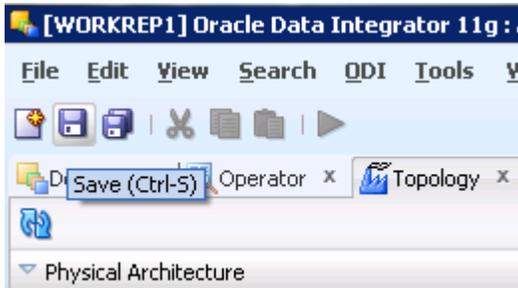
- Expand ERPI_DATA_SERVER
- Double click to open the Physical schema (ERPI_DATA_SERVER.Schema)



- On Definition screen, select physical schema (fcm) for **Schema(Schema)** and **Schema(Work Schema)**



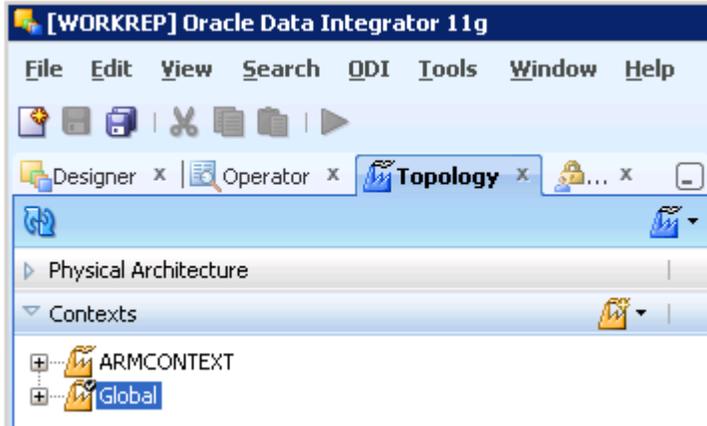
- Save the changes you made to the Physical schema, click **Save**



Configure ODI Context

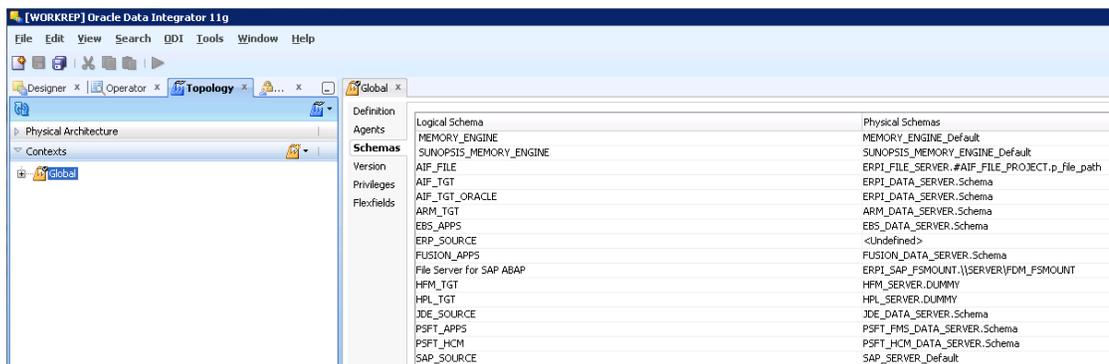
By default, ODI has Global context and it is associated with all predefined Logical & Physical schema

- Expand **Contexts** panel from **Topology** tab and double click on **Global** context (Note that you need to use Global; not ARMCONTEXT)



- Select the **Schemas** tab

Note: By default, the **Global** context has map for all predefined schema but you need to choose the physical schema that you configured.



- Choose a Physical schema you have configured for ARM and ERPI from the **Physical Schemas** pull down menu

For example:

ARM_TGT should map to **ARM_DATA_SERVER.fcm**

AIF_TGT should map to **ERPI_DATA_SERVER.fcm**

Definition	Logical Schema	Physical Schemas
Agents	MEMORY_ENGINE	MEMORY_ENGINE_Default
Schemas	SUNOPSIS_MEMORY_ENGINE	SUNOPSIS_MEMORY_ENGINE_Default
Version	AIF_FILE	ERPI_FILE_SERVER.#AIF_FILE_PROJECT.p_file_path
Privileges	AIF_TGT	ERPI_DATA_SERVER.Schema
Flexfields	AIF_TGT_ORACLE	ERPI_DATA_SERVER.Schema
	ARM_TGT	ARM_DATA_SERVER.fcm
	EBS_APPS	ARM_DATA_SERVER.fcm
	ERP_SOURCE	ARM_DATA_SERVER_MSSQL.gregFCM.dbo
	File Server for SAP ABAP	EBS_DATA_SERVER.Schema
	FUSION_APPS	ERPI_DATA_SERVER.Schema
	HFM_TGT	ERPI_DATA_SERVER_MSSQL.gregFCM.dbo
	HPL_TGT	ERPI_FILE_SERVER.#AIF_FILE_PROJECT.p_file_path
	JDE_SOURCE	ERPI_SAP_FSMOUNT.\\SERVER\FDM_FSMOUNT
	PSFT_APPS	FUSION_DATA_SERVER.Schema
	PSFT_HCM	PSFT_HCM_DATA_SERVER.Schema
	SAP_SOURCE	SAP_SERVER_Default

- If any changes were made, click **Save**

Note: The last value selected from the pull down menu is not saved so change the selected to some other schema and make sure all the selections are saved correctly.

Configure ODI Agent

- Set the following parameters in the **odiparms.bat** under “<Oracle_Home>\product\11.1.1\Oracle_ODI_1\oracledi\agent\bin” folder
 - set ODI_MASTER_DRIVER=oracle.jdbc.OracleDriver
 - set ODI_MASTER_URL=jdbc:oracle:thin:@demoserver:1521:orcl (**your ODI master repository URL**)
 - set ODI_MASTER_USER=DEV_ODI_REPO (**your ODI master schema username**)
 - set ODI_MASTER_ENCODED_PASS=aYyHdZSEixcjk2RGMi.iy (**to get the encrypted password, see the instructions below**)
 - set ODI_SECU_WORK_REP=WORKREP (**your work repository name**)
 - set ODI_ADDITIONAL_CLASSPATH=%ODI_HOME%\..\..\oracledi.sdk\lib*
- Save and close the file **odiparms.bat**.

- It is required to get an encrypted password for **ODI_MASTER_ENCODED_PASS** in **odiparms.bat**
 - in <Oracle_Home>\product\11.1.1\Oracle_ODI_1\oracledi\agent\bin run **encode.bat** from Command Prompt with a parameter; for example, **encode welcome1** (where

- Copy the encrypted password output and add it to value of **ODI_MASTER_ENCODED_PASS** in **odiparms.bat**

```

C:\Oracle\product\11.1.1\Oracle_ODI_2\oracledi\agent\bin>encode welcome1
h2vHTF0UMJIUB3PB3GoBnYbg
C:\Oracle\product\11.1.1\Oracle_ODI_2\oracledi\agent\bin>_

```

- In the same directory run **agent_ERPI_AGENT.bat** to start ODI Agent. Look for the following message: “**Agent ERPI_AGENT started.**”

```

*sys-package-mgr*: processing new jar, 'C:\Java\jdk1.7.0_02\jre\lib\ext\dnsns.jar'
*sys-package-mgr*: processing new jar, 'C:\Java\jdk1.7.0_02\jre\lib\ext\localedata.jar'
*sys-package-mgr*: processing new jar, 'C:\Java\jdk1.7.0_02\jre\lib\ext\sunec.jar'
*sys-package-mgr*: processing new jar, 'C:\Java\jdk1.7.0_02\jre\lib\ext\sunjce_provider.jar'
*sys-package-mgr*: processing new jar, 'C:\Java\jdk1.7.0_02\jre\lib\ext\sunnscapi.jar'
*sys-package-mgr*: processing new jar, 'C:\Java\jdk1.7.0_02\jre\lib\ext\zipfs.jar'
2012-02-22 18:53:20.298 NOTIFICATION ODI-1136 Starting Schedulers on Agent ERPI_AGENT.
2012-02-22 18:53:20.642 NOTIFICATION ODI-1111 Agent ERPI_AGENT started. Agent version: 11.1.1.6.0 - 19/12/2011. Port: 20910. JMX Port: 21910.

```

Configuring Oracle Security Policy for ERPI

Configuration of Oracle Security Policy with OWSM is required to enable communication between Account Reconciliation Manager and ERPI.

Prerequisites

- 1) Weblogic admin server is in the running state.
- 2) Start **Hyperion ERP Integrator-Web Application** from Windows Services.

Note: You should start ERPI service from Windows Services. If ERPI service is already running, then restart it.

Running Automated Scripts to set Oracle Security Policy

Edit the **wls-infra.properties** file

- Go to directory C:\Oracle\Middleware\EPMSystem11R1\products\FinancialDataQuality\bin
- Modify the **wls-infra.properties** file as following;

For Weblogic Admin server connection:

- **userName=adminUserName** (Replace **adminUserName** with your weblogic admin user)
- **passWord=adminPassword** (Replace **adminPassword** with your weblogic admin password)
- **adminServerURL=t3://localhost:7001** (Replace **localhost** with your machine name)

For MDS schema information (You should have already setup your MDS schema from RCU configuration step):

- **databaseType=ORACLE/MSSQL** (Leave **ORACLE** only)
- **hostName=dbHostName** (Replace **dbHostName** with your machine name)
- **port=dbPortNumber** (Enter 1521)
- **schemarUserName=dbUserName** (Replace **dbUserName** with username for your MDS schema. For example, DEV_MDS)
- **schemaPassword=dbUserPassword** (Replace **dbUserPassword** with password for your MDS schema)
- **dbName= dbService** (Replace **dbService** with the database service name (SID) that is available in C:\app\\product\11.2.0\dbhome_1\NETWORK\ADMIN\tnsnames.ora)
- **partitionName=erpi_adfConn** (Don't need to change it)

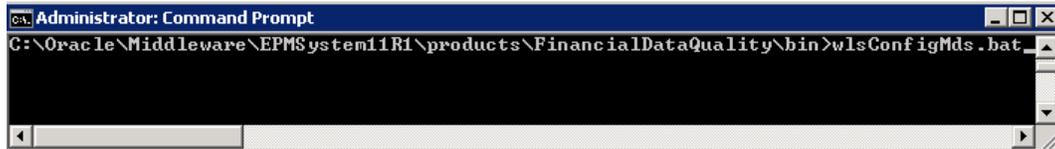
Note: If you are not sure then you can get the above information from **mds_owsm** datasource from WebLogic Admin console (under **Services**, then **Data Sources**, then **mds_owsm**, and then **Connection Pool** screen)

For Account Reconciliation Manager configuration:

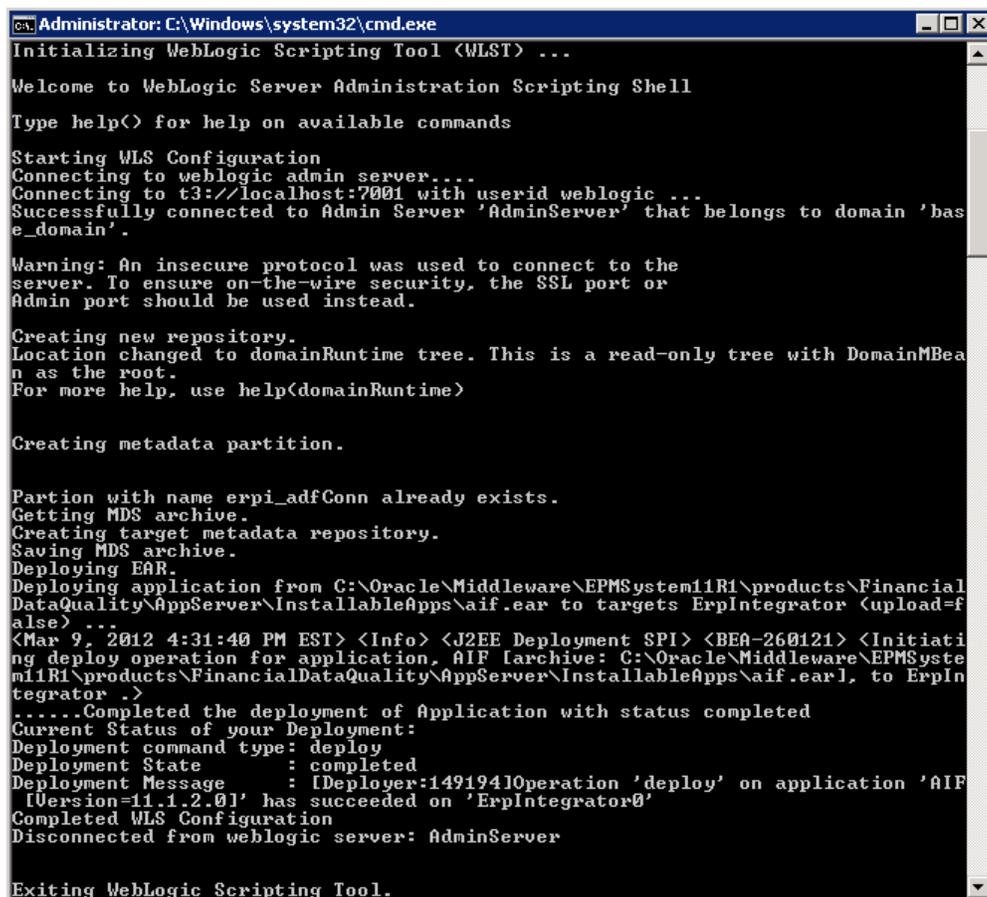
- **dataLoadServiceWSDL=http://localhost:8700/ARM-DataModel-context-root/DataLoadAMService?wsdl** (change **localhost** with your machine name)
- **clientSecPolicyForARM** stay the same.

Run wlsConfigMds.bat file

- Open Command Prompt
- Change directory to
C:\Oracle\Middleware\EPMSys11R1\products\FinancialDataQuality\bin
- Run **wlsConfigMds.bat** file and ensure that the script runs successfully



```
Administrator: Command Prompt
C:\Oracle\Middleware\EPMSys11R1\products\FinancialDataQuality\bin>wlsConfigMds.bat
```



```
Administrator: C:\Windows\system32\cmd.exe
Initializing WebLogic Scripting Tool (WLST) ...
Welcome to WebLogic Server Administration Scripting Shell
Type help<> for help on available commands

Starting WLS Configuration
Connecting to weblogic admin server...
Connecting to t3://localhost:7001 with userid weblogic ...
Successfully connected to Admin Server 'AdminServer' that belongs to domain 'base_domain'.

Warning: An insecure protocol was used to connect to the
server. To ensure on-the-wire security, the SSL port or
Admin port should be used instead.

Creating new repository.
Location changed to domainRuntime tree. This is a read-only tree with DomainMBean as the root.
For more help, use help<domainRuntime>

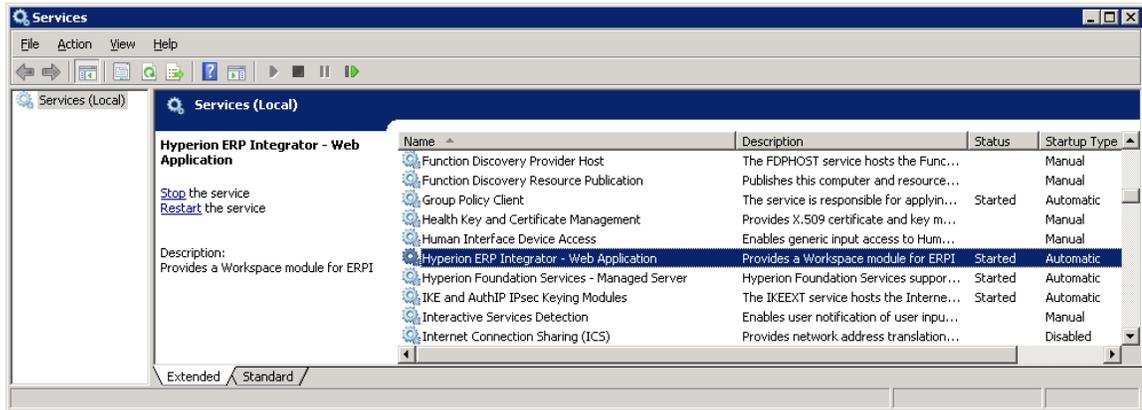
Creating metadata partition.

Partition with name erpi_adfConn already exists.
Getting MDS archive.
Creating target metadata repository.
Saving MDS archive.
Deploying EAR.
Deploying application from C:\Oracle\Middleware\EPMSys11R1\products\FinancialDataQuality\AppServer\InstallableApps\aif.ear to targets ErpIntegrator (upload=false) ...
<Mar 9, 2012 4:31:40 PM EST> <Info> <J2EE Deployment SPI> <BEA-260121> <Initiating deploy operation for application, AIF [archive: C:\Oracle\Middleware\EPMSys11R1\products\FinancialDataQuality\AppServer\InstallableApps\aif.ear], to ErpIntegrator .>
.....Completed the deployment of Application with status completed
Current Status of your Deployment:
Deployment command type: deploy
Deployment State       : completed
Deployment Message    : [Deployer:1491941]Operation 'deploy' on application 'AIF [Version=11.1.2.0]' has succeeded on 'ErpIntegrator0'
Completed WLS Configuration
Disconnected from weblogic server: AdminServer

Exiting WebLogic Scripting Tool.
```

- Restart **Hyperion ERP Integrator-Web Application**

Note: Start ERPI service from Windows Services



Check the status of ERPI server;

Login to WebLogic admin console (<http://<host>:7001/console> where <host> is the machine name for where WebLogic Admin server is running). In the **Domain Structure** area, click **Environment**, and then **Servers**. You should wait until **ErpIntegrator** server status is changed to **RUNNING**.

Run **wlsConfigOWSM.bat** file

- From the same Command Prompt, run **wlsConfigOWSM.bat** file and ensure that the script runs successfully

```

Administrator: Command Prompt
c:\Middleware\EPMSys\em1R1\products\FinancialDataQuality\bin>wlsConfigOWSM.bat_

```



```

Administrator: C:\Windows\system32\cmd.exe
Policy Set Details:
-----
Name:           WebServiceEndPointPolicySet
Type of Resources:  Web Service Endpoint
Scope of Resources: Domain(*)
Description:      Default Web Service End Point Policies in any domain
Enabled:         true
Policy Reference: security : oracle/wss11_saml_or_username_token_with_message_
                 _protection_service_policy, enabled=true
The policy set WebServiceEndPointPolicySet is valid.
The policy set WebServiceEndPointPolicySet is valid.
Creating policy set WebServiceEndPointPolicySet in repository.

Repository session committed successfully.
Creating call back Policy Set.
Repository session begun.
Description defaulted to "Global policy attachments for Asynchronous Callback Client resources."
The policy set was created successfully in the session.
Description updated.
Policy reference added.
Policy Set Details:
-----
Name:           AsynchronousCallbackClientPolicySet
Type of Resources:  Asynchronous Callback Client
Scope of Resources: Service("<http://xmlns.oracle.com/epm/webservices/erpi/>RuleService")
Description:      Default Asynchronous Callback Client Policy Set
Enabled:         true
Policy Reference: security : oracle/wss11_saml_token_with_message_protection_
                 _client_policy, enabled=true
The policy set AsynchronousCallbackClientPolicySet is valid.
The policy set AsynchronousCallbackClientPolicySet is valid.
Creating policy set AsynchronousCallbackClientPolicySet in repository.

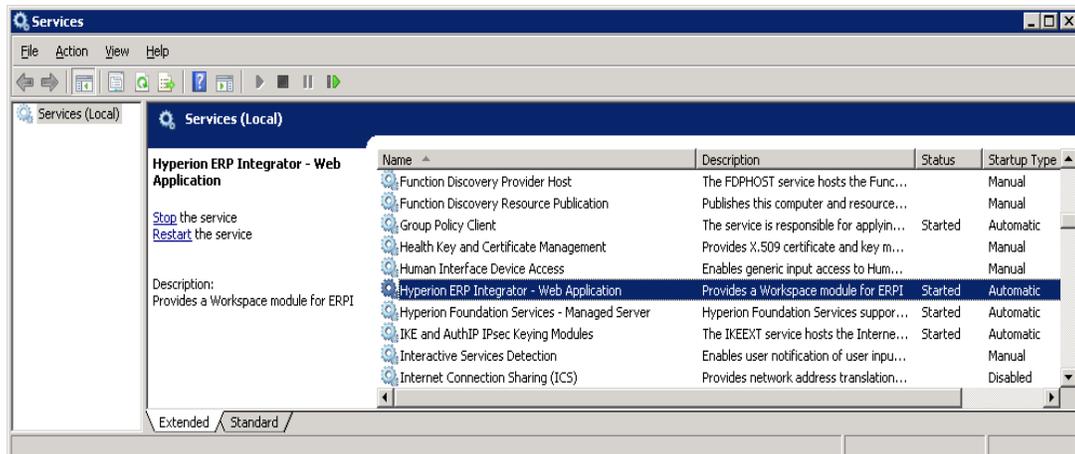
Repository session committed successfully.
Completed WLS Configuration
Disconnected from weblogic server: AdminServer

Exiting WebLogic Scripting Tool.

```

- Restart **ERPI Service** and **Admin Server**.

Note: Start ERPI service from Windows Services



Check the status of ERPI server;

Login to WebLogic admin console (<http://<host>:7001/console> where <host> is the machine name for where WebLogic Admin server is running). In the **Domain Structure** area, click **Environment**, and then **Servers**. You should wait until **ErpIntegrator** server status is changed to **RUNNING**.

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EPM System Rapid Deployment of Financial Close Management Domain for Development Environments,
11.1.2.2.000

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