# JD Edwards EnterpriseOne

Portal Reference Guide for Oracle WebCenter

Release 9.1.x

**E21052-01**

January 2015

Describes how to install, configure, and create the WebCenter Portal for EnterpriseOne portlets.

ORACLE

JD Edwards EnterpriseOne Portal Reference Guide for Oracle WebCenter, Release 9.1.x

E21052-01

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## Glossary

# Preface

Welcome to the JD Edwards EnterpriseOne Tools Portal Reference Guide for Oracle WebCenter.

## Audience

This guide is intended for system administrators and technical consultants who are responsible for installing, configuring, and creating WebCenter Portal for EnterpriseOne portlets.

This guide assumes you have a working knowledge of the following:

- The WebCenter Portal
- Database Connectivity
- EnterpriseOne HTML Server

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## Related Documents

You can access related documents from the JD Edwards EnterpriseOne Release Documentation Overview pages on My Oracle Support. Access the main documentation overview page by searching for the document ID, which is 876932.1, or by using this link:

https://support.oracle.com/CSP/main/article?cmd=show&type=NOT&id=876932.1

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This guide contains references to server configuration settings that JD Edwards EnterpriseOne stores in configuration files (such as jde.ini, jas.ini, jdbj.ini, jdelog.properties, and so on). Beginning with the JD Edwards EnterpriseOne Tools Release 8.97, it is highly recommended that you only access and manage these settings for the supported server types using the Server Manager program. See the *Server Manager Guide*.

## Conventions

The following text conventions are used in this document:

| Convention | Meaning |
|---|---|
| **Bold** | Indicates field values. |
| *Italics* | Indicates emphasis and JD Edwards EnterpriseOne or other book-length publication titles. |
| `Monospace` | Indicates a JD Edwards EnterpriseOne program, other code example, or URL. |

# 1 Understanding This Guide

This chapter contains the following topics:

- Section 1.1, "Using this Guide"
- Section 1.2, "Accessing Minimum Technical Requirements"
- Section 1.3, "EnterpriseOne Portal Solutions Overview"

The *JD Edwards EnterpriseOne Portal Reference Guide for Oracle WebCenter* covers the Oracle WebCenter technology.

## 1.1 Using this Guide

The *JD Edwards EnterpriseOne Portal Reference Guide for Oracle WebCenter* is meant to be used to supplement the use of the Oracle WebCenter Portal with Oracle JD Edwards portlets and WSRP technology. This guide is not meant to be read front to back. Instead, the user should skip to the necessary parts and use them with other guides that more fully detail the various install processes. The necessary supplementary guides include:

- *JD Edwards EnterpriseOne Server Manager Guide*
- *Installing Oracle Fusion Middleware WebCenter 11g with JD Edwards EnterpriseOne Red Paper*

## 1.2 Accessing Minimum Technical Requirements

Customers must conform to the supported platforms for the release as detailed in the JD Edwards EnterpriseOne Minimum Technical Requirements. In addition, JD Edwards EnterpriseOne may integrate, interface, or work with other Oracle products. Refer to the following link for cross-reference material in the Program Documentation for Program prerequisites and version cross-reference documents to assure compatibility of various Oracle products:

`http://www.oracle.com/corporate/contracts/index.html`

Access the Certifications from My Oracle Support (`https://support.oracle.com`) by searching for this product from the Certifications tab:

Search for product = **JD Edwards EnterpriseOne Portal, and Release Number**

## 1.3 EnterpriseOne Portal Solutions Overview

EnterpriseOne Tools Release 9.1 supports only the WSRP solution on these Portal Servers:

- Oracle WebCenter Portal with WebLogic Server
- IBM WebSphere Portal with WebSphere Application Server

Depending on the combination of JD Edwards EnterpriseOne Applications and Tools Release levels, the availability of the different portal solutions is depicted in the following table:

| JD Edwards EnterpriseOne Applications Release Level | WSRP (WebCenter 11g and WLS 10.3.x) |
|---|---|
| | **9.1** |
| **9.0** | X |
| **9.1** | X |

X = supported

# 2

# Oracle WebCenter Portal

This chapter contains these topics:


- Section 2.1, "Understanding WebCenter Portal Server"
- Section 2.2, "Installing Oracle WebCenter Portal"
- Section 2.3, "Configuring the External LDAP Server"
- Section 2.4, "Configuring Oracle HTTP Server for WebCenter Portal"


## 2.1 Understanding WebCenter Portal Server

### Prerequisites

- Install WebCenter Database Schemas (*See Appendix A*).
- Install WebLogic Server (*See Appendix B*).

**Important:** the WebCenter database schemas must be created and the WebLogic Server must be installed before you install Oracle WebCenter Portal.

Oracle WebCenter Portal 11.1.1.8.0 with Bundle Patch 5 support starts with:

- JD Edwards EnterpriseOne Tools Release 9.1.5 Update 0
- JD Edwards EnterpriseOne Tools Release 9.1.4.Update 6

## 2.2 Installing Oracle WebCenter Portal

When you install the WebCenter components on your machine, be sure to enter the correct data (machine name, ports, and so on) for your configuration. When you download the software from the Oracle Software Cloud, note the directories to which you downloaded the software and replace the directory location specified in this chapter with your directory locations. Be sure to install the executable files for your platform.

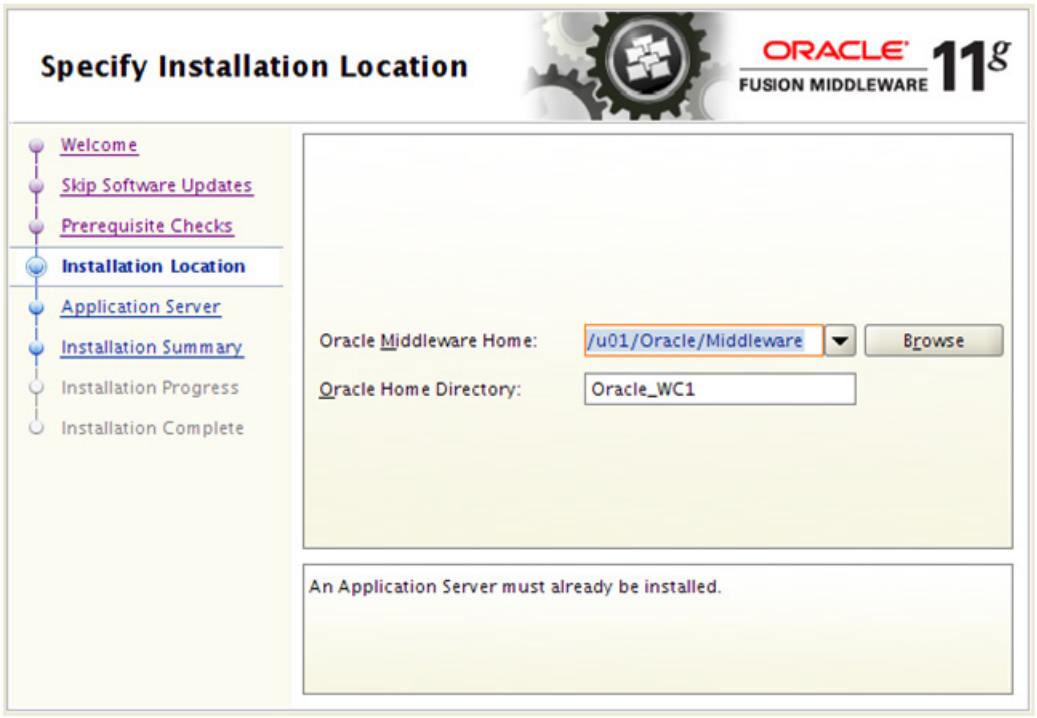
Use these steps to install Oracle WebCenter Portal 11.1.1.8.0.

1. Download and unzip the WebCenter installation file:

   *Oracle WebCenter Portal 11g (11.1.1.8.0), part number = V38995-01*

2. Execute the install process from the Disk1 folder:
   - On Windows: *setup.exe* with **Run as administrator** option
   - On UNIX: *./runInstaller* as a non-root user
3. Enter the JRE/JDK location when prompted.

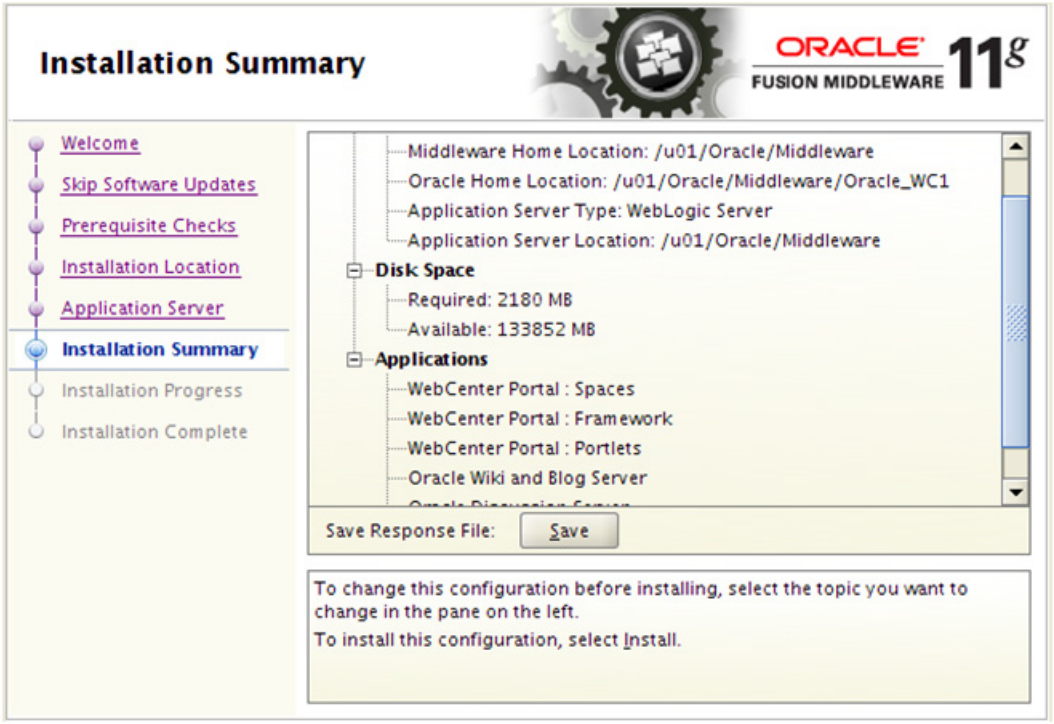
4. Review the Welcome page information. Click **Next**.
5. Select your **Software Updates** option.
6. The installer performs prerequisite checks.



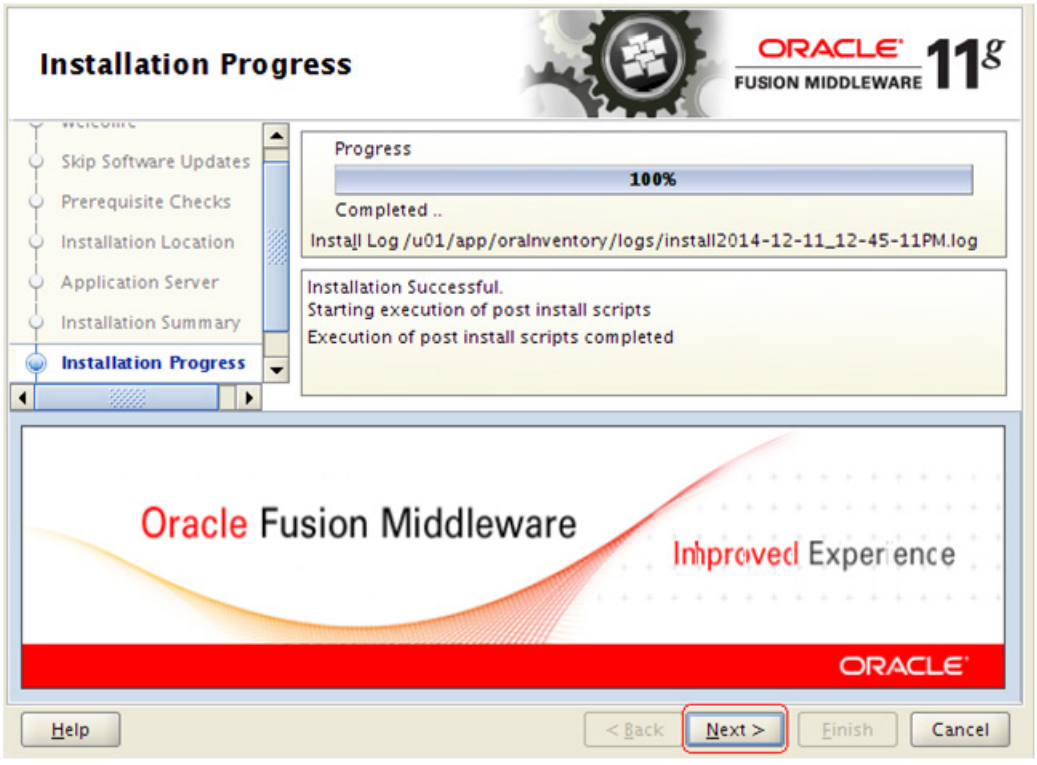

7. Enter a Middleware Home and a WebCenter Home Directory.

8. Select **WebLogic Server** as the application server and click **Next**.

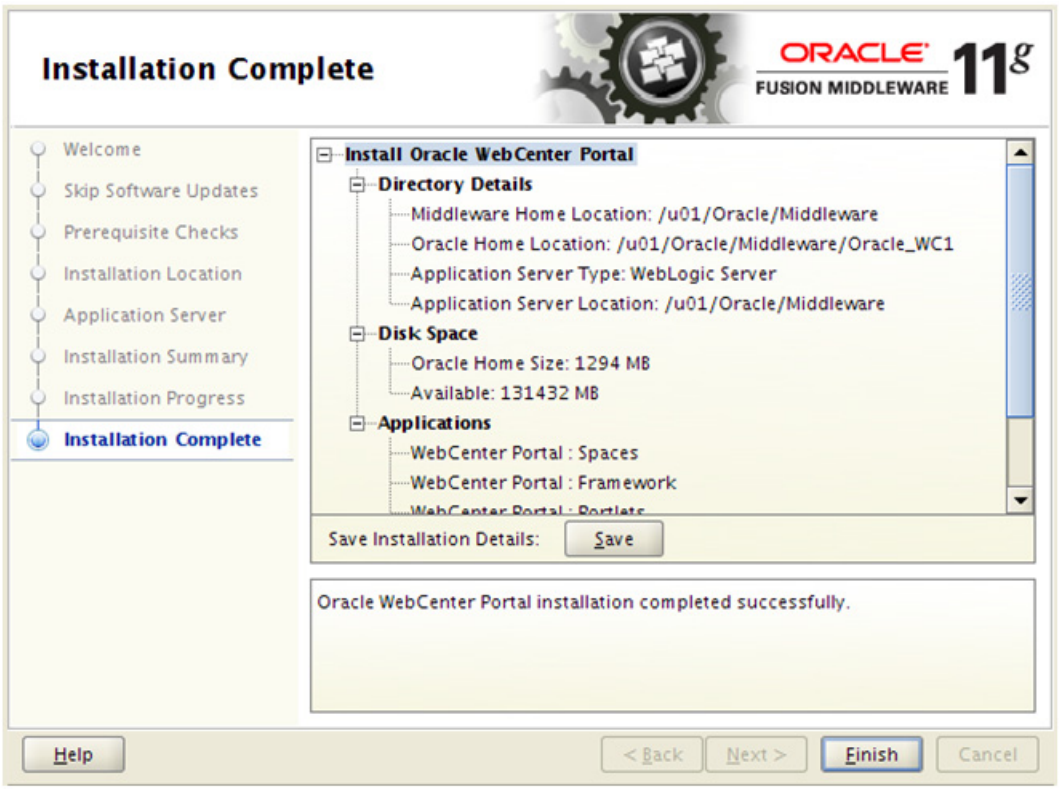
**Note:** EnterpriseOne supports only a WebLogic Server as the application server.



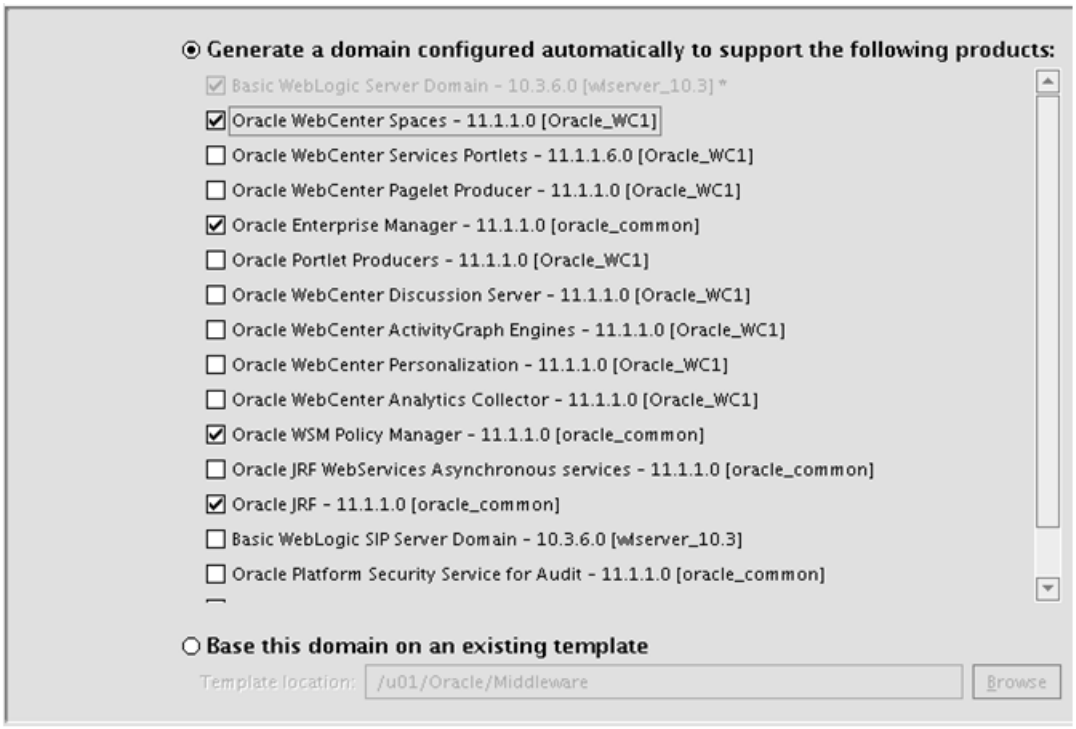

9. Review the Install Summary.
10. Click **Install** to start the install process.



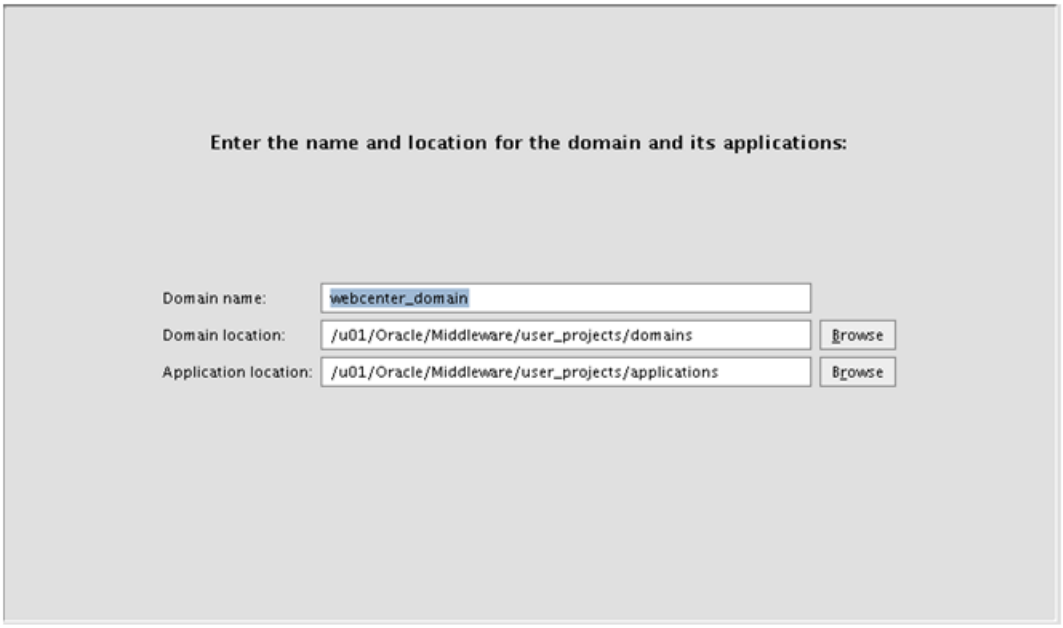
11. Click **Next** to continue when the install has completed.



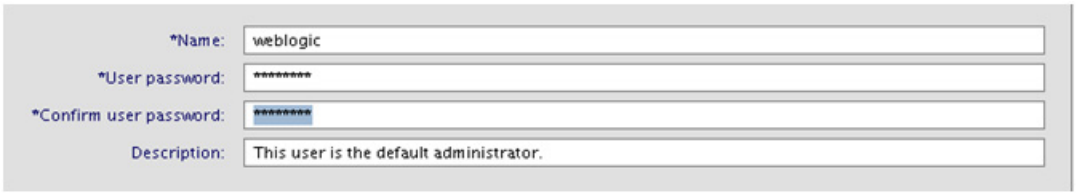

12. Click **Finish** when the install process is completed.
13. Run config.sh (.cmd) from <MW_Home>/Oracle_WC1/common/bin folder to create the WebCenter domain.
14. Select **Create a new WebLogic domain** option and click **Next**.



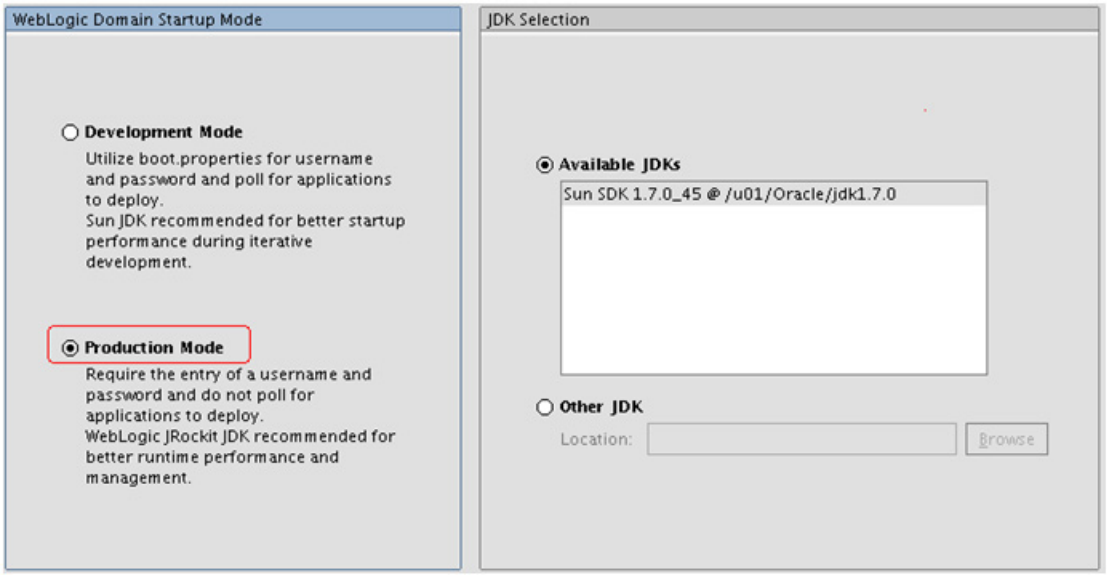

15. Select **Oracle WebCenter Spaces** to be part of this domain. Other required products will be selected automatically. You can add more products later if needed.
16. Click **Next**.



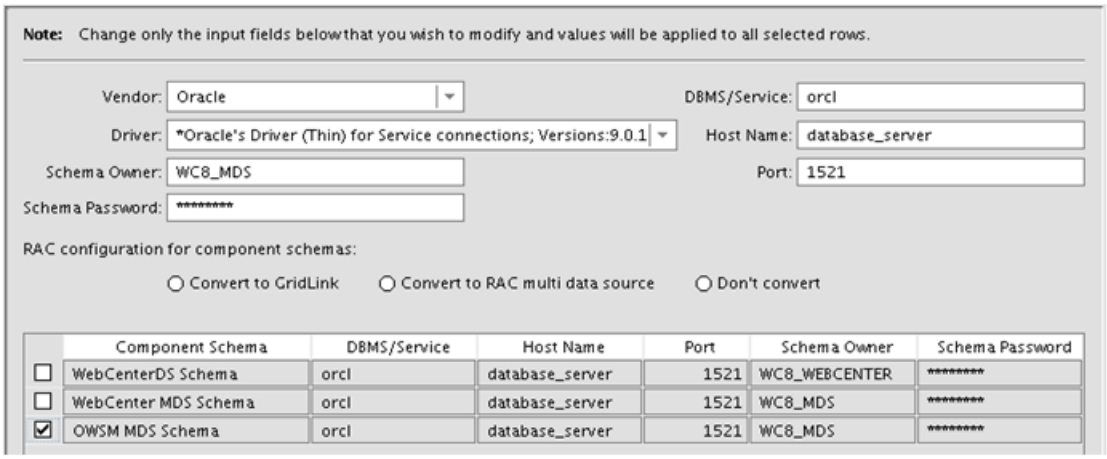

17. Enter the domain name. For example: webcenter_domain.




18. Enter the domain Administrator user and password.




19. Select **Production Mode** and verify the available JDK.

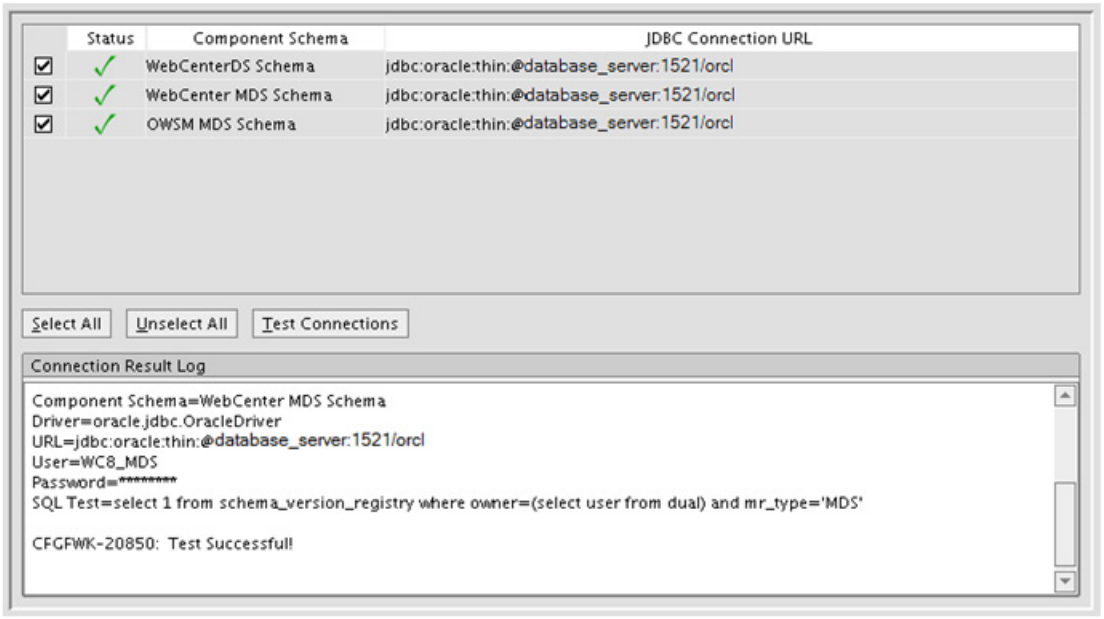



20. Enter the JDBC Component Schema database connection.

---

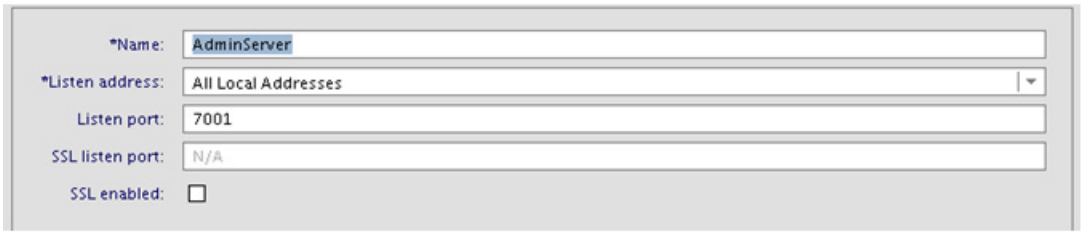
**Note:** If you are not using the default Schema Owner, you must modify them one line at a time.

---




**21.** Test the JDBC Schema connection.

**22.** Select the **Administration Server** and **Managed Server, Cluster and Machine**.

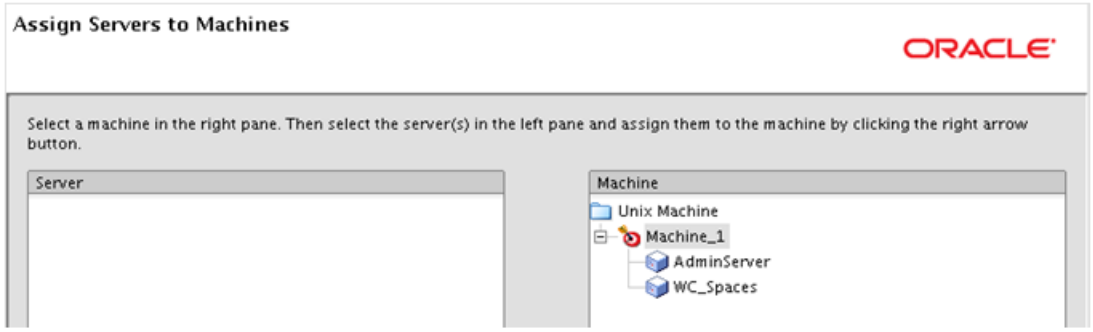



**23.** Enter the Administration Server name and Listen port.

**24.** Accept the default Managed Server name and port.

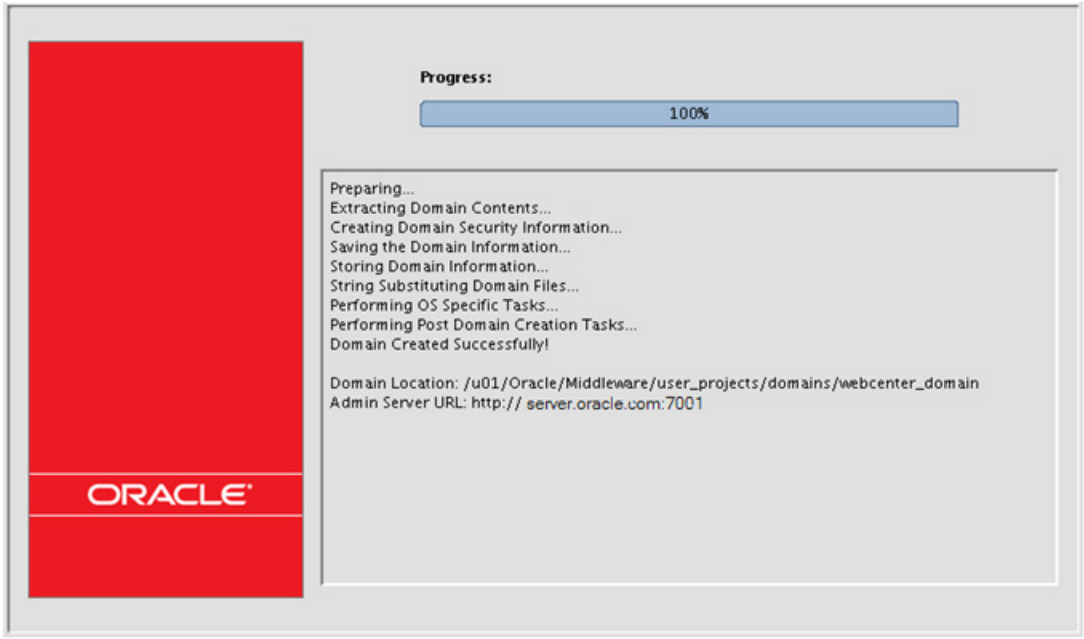
**25.** Click **Next** to skip the cluster configuration.

26. From the Configure Machines page, select your platform and click **Add** to create a Machine name.




27. Assign Server to the Machine by moving the server in the left to the right under the Machine name.

28. Review the Configuration Summary and click **Create**.




29. Click **Done** when the domain is created.

## 2.2.1 Post Installation Configuration

This section discusses:

- Applying the Required Patches
- Starting the WebLogic Administration Server

#### 2.2.1.1 Applying the Required Patches

The following patches are required:

- p6880880 - Obtain the latest Opatch version (11.1.0.8.3 or higher)
- p18712656 - Microsoft Internet Explorer 11 support (Must apply before Bundle Patch)
- p19194669 - WebCenter 11.1.1.8.0 Bundle Patch 5

Please follow the instructions on each patch when applying these patches.

#### 2.2.1.2 Starting the WebLogic Administration Server

To start the Weblogic Administration Server:

1. Start the WebLogic Admin Server (startWebLogic.sh(.cmd)) from <MW_Home>\user_projects\domains\<webcenter_domain>\bin folder.
2. Start WebLogic NodeManager (startNodeManager.sh(.cmd)) from <MW_home>\wlserver_10.3\server\bin.
3. The startNodeManager process creates a nodemanager.properties file in <MW_home>\wlserver_10.3\common\nodemanager folder.
4. Once the file is created, run *setNMProps.sh(.cmd)* from <MW_home>oracle_common\common\bin folder.

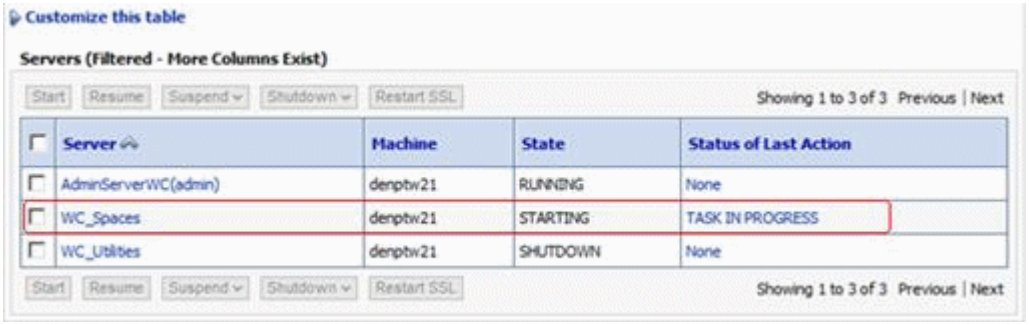
---

**Note:** Another option is that you can edit the nodemanager.properties by opening the file with an editor and change StartScriptEnabled to **true**.

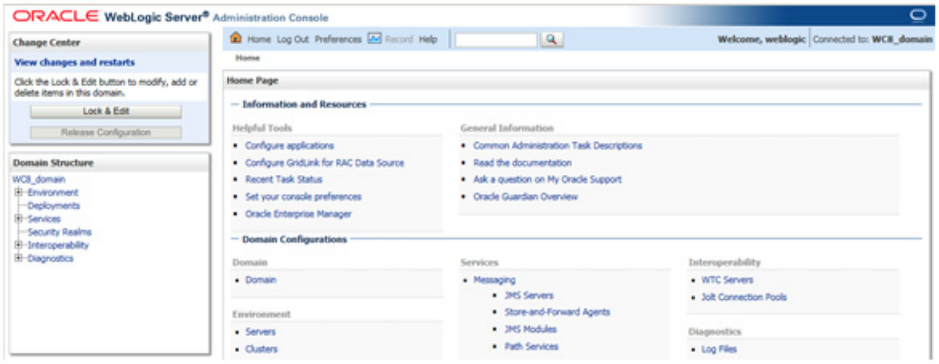
---

**Important:** WebCenter Portal Enterprise Manager will not start correctly if this value is not set.

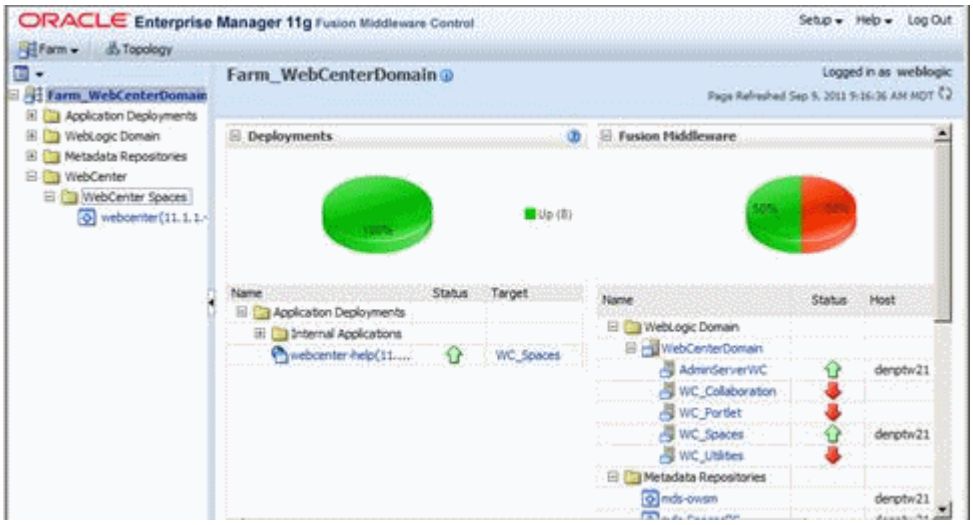
5. After the value is changed, you must stop and restart NodeManager.
6. Start the domain Admin Server and WC_Spaces.



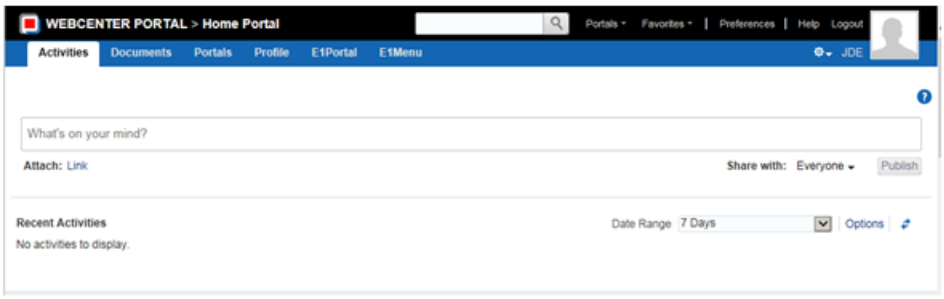

7. After the Admin Server is started, you can access the domain console, Enterprise Manager, and WebCenter Portal.




`http://server:7001/console (Domain Console)`




`http://server:7001/em (Enterprise Manager)`




`http://server:8888/webcenter`

8. Click **About WebCenter Portal** on the bottom right to verify the version level.

**Note:** The bundle patch level will not be displayed. You will have to use the OPatch command "opatch lsinventory" to verify the patch.

## 2.3 Configuring the External LDAP Server

Oracle WebCenter comes with an embedded OID LDAP server. This embedded server should not be used for a production environment. You should configure an external LDAP server such as Oracle Internet Directory (OID) or other 3rd party LDAP server.

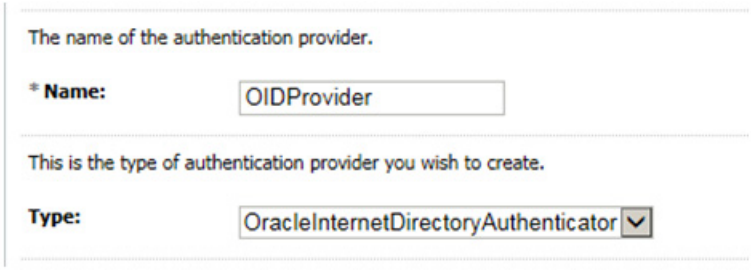
### 2.3.1 Configuring the Oracle Internet Directory Authenticator

In order to configure Oracle Internet Directory as an external LDAP server, you must have it installed and functioning.

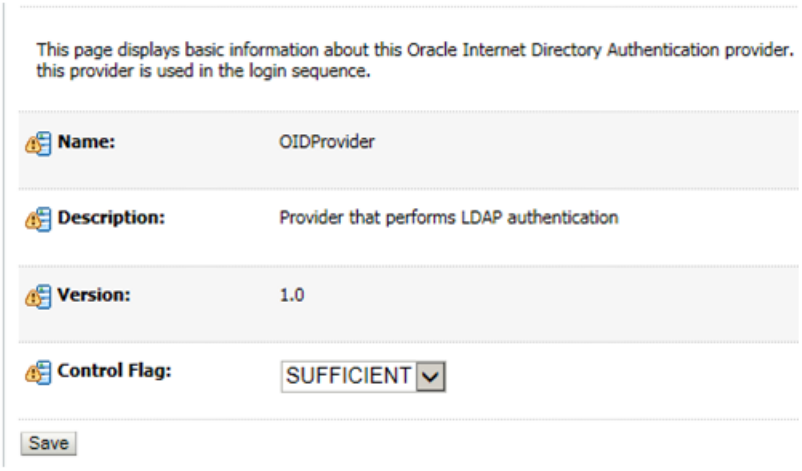
Use these steps to configure the Oracle Internet Directory Authenticator.

1. Login to the WebLogic Server Administration Console.
2. From the Domain Structure pane, click **Security Realms**.

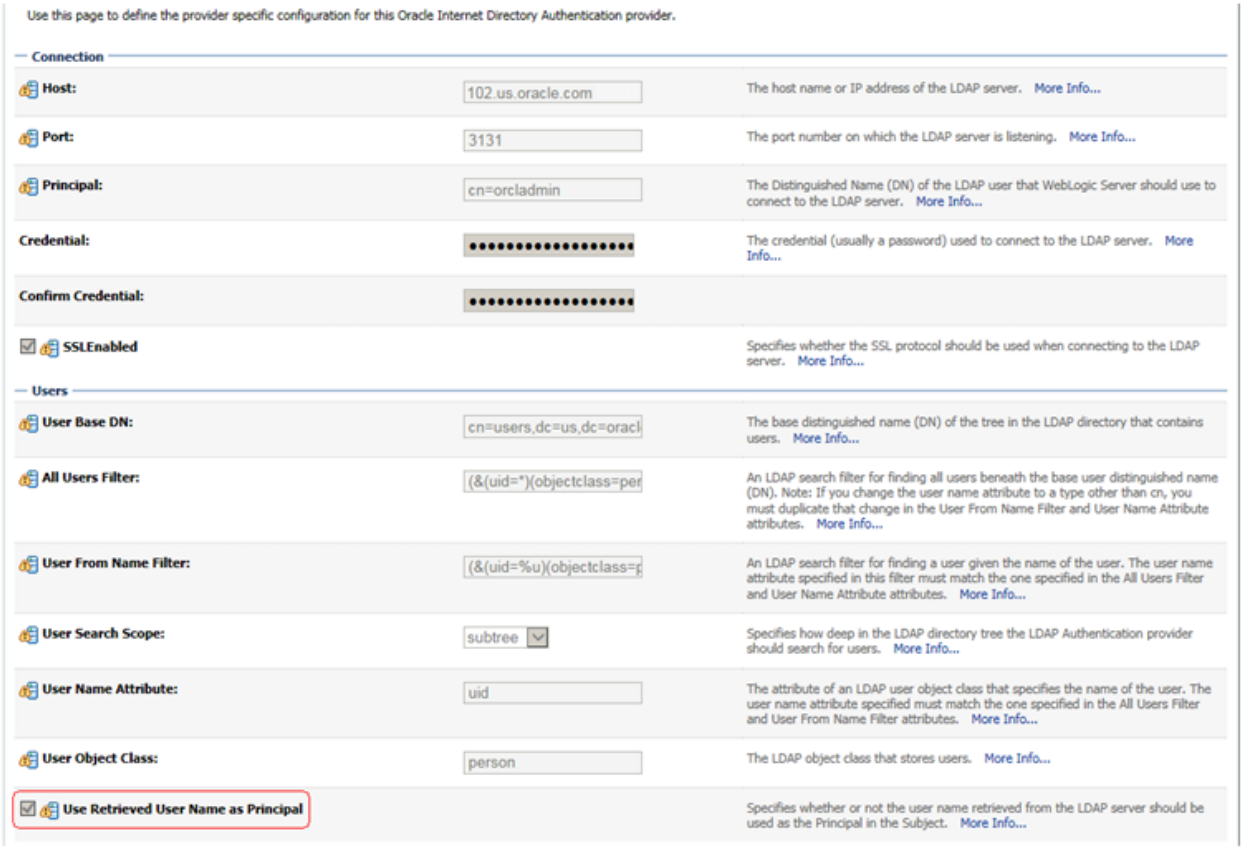
3. Select the **myrealm** entry to configure the OID authenticator.
4. Select the **Providers** tab.
5. Click **Lock and Edit**.
6. Click **New** to create a provider.




7. Enter a name for the new provider (for example, OIDProvider).
8. Select **OracleInternetDirectoryAuthenticator** as the type, and then click **OK**.
9. On the **Providers** tab, click the newly added provider. The common setting pane appears.




**10.** Set the control flag to **SUFFICIENT** and click **Save**.




**11.** Open the **Provider Specific** tab.

| Field | Value | Comment |
|---|---|---|
| Host: | The host ID for the LDAP server | |
| Port: | The LDAP server port number | |
| Principal: | The LDAP administrator principal | |

| Field | Value | Comment |
|---|---|---|
| Credential: | <password> | The administrator principal password |
| Confirm Credential: | <password> | |
| User Base DN: | User Search Base | |
| All User Filter: | (&(uid=*)(objectclass=person)) | |
| User Name Attribute | uid | |
| Group Base DN: | Group search base - same as user base DN | |
| Use Retrieved User Name as Principal | Checked | User login IDs are usually case insensitive. This flag is required so that the subject established contains the user name as stored in the OID. |

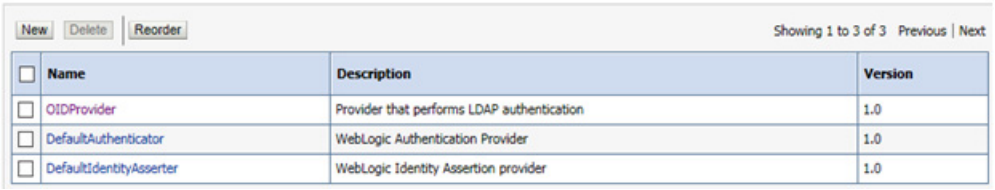
12. Complete the fields as shown in the table below. Leave the rest of the fields set to their default values.
13. Click **Save**.

## 2.3.2 Configuring the Default Authenticator and Provider Order

After configuring the OID Authenticator, ensure that the default authenticator's control flag is set to SUFFICIENT and reorder the providers.

Use these steps to configure the default authenticator and provider order:

1. Navigate to the Provider Settings pane.
2. Open the Default Authenticator and set the control flag to **SUFFICIENT**.
3. Do the same for any providers that you might have.



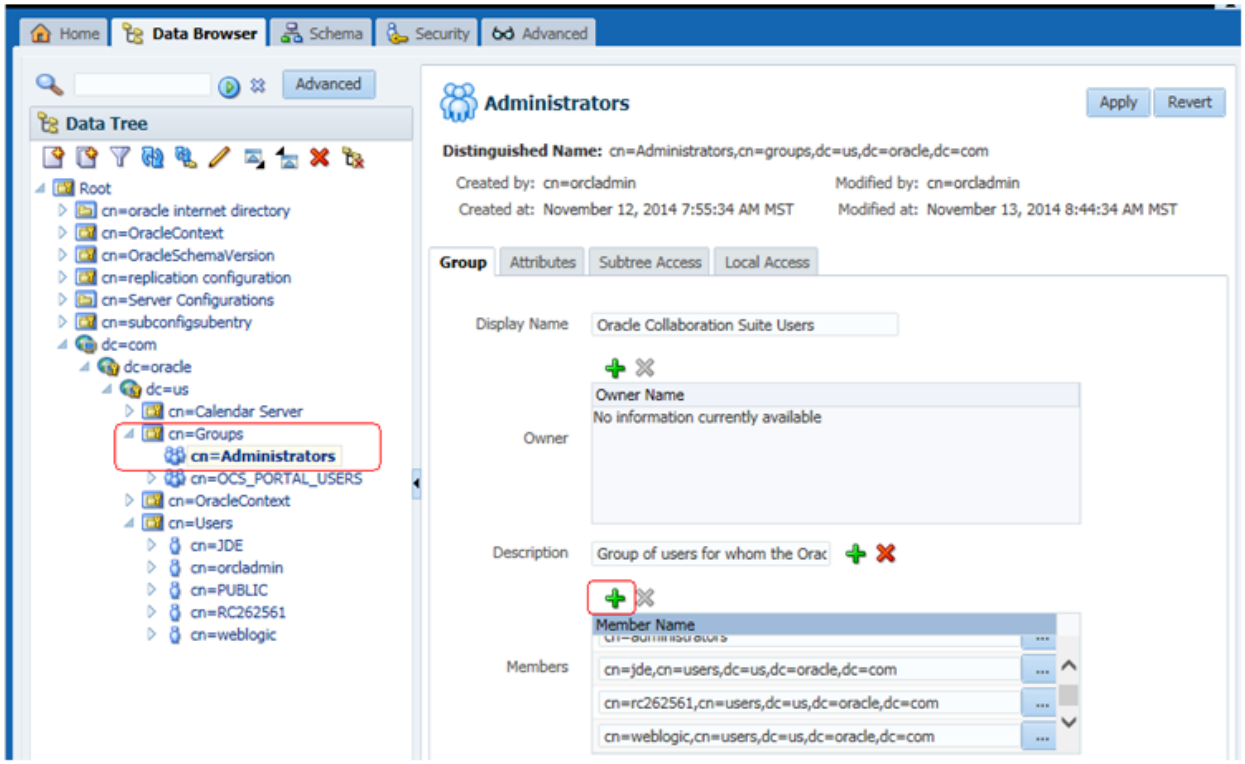

4. On the Setting Pane, reset the provider order to:
   - OIDProvider (SUFFICIENT)
   - DefaultAuthenticator (SUFFICIENT)
   - DefaultIdentityAsserter

> **Note:** If your WebLogic user is not part of the OID Administrators group, you will not be able to restart the WebLogic Admin Server.

You can use the following steps to add an Administrators group and add your user from OID.

1. Connect to Oracle Directory Manager, http://host:port:7005/odsm.
2. Create a new Group, Administrators. You can use the Create Like option.

3. Add your admin user to this group.




Now, you should able to start the WebLogic Admin Server.

## 2.4 Configuring Oracle HTTP Server for WebCenter Portal

After you install and configure Oracle HTTP Server, you will then configure the Oracle HTTP server for WebCenter Portal.

Use the following example to configure *mod_wl_ohs.conf*. Verify that WebLogic port numbers match your configuration.

```
# WebCenter Portal
<Location /webcenter>
    SetHandler weblogic-handler
    WeblogicHost   webcenter.example.com
    WeblogicPort  8888
</Location>
```

After you edit the *mod_wl_ohs.conf* file, restart the HTTP server from MW_Home/instance/instance1/bin folder:

```
>./opmnctl startall
```

Now you can access WebCenter Portal using the HTTP port; for example,

```
http://myserver.com:7777/webcenter
```

# 3

# Understanding WSRP

This chapter helps you understand WSRP.

## 3.1 Understanding WSRP

This part of the guide covers the JD Edwards EnterpriseOne portal solution for Oracle WebCenter 11g based on the Web Services for Remote Portlets (WSRP) standards. Refer to *EnterpriseOne Portal Solutions Overview* in this guide for other portal solutions available with EnterpriseOne. This solution is only available for JD Edwards EnterpriseOne Application Release 9.0 with Tools Release 8.98.3 and beyond.

Two foundational terminologies in WSRP standards are Producer and Consumer.

The Producer is a web service that offers one or more portlets and implements various WSRP interfaces and operations. In the JD Edwards EnterpriseOne solution, the JD Edwards EnterpriseOne HTML Web Server is the WSRP producer.

---

**Note:** For the Oracle WebCenter Spaces solution, only the WebLogic Server is supported as a Producer for Oracle WebCenter.

---

The Consumer is a web service client that invokes producer-offered WSRP web services and provides an environment for users to interact with portlets offered by one or more producers. In the JD Edwards EnterpriseOne solution, the Oracle WebCenter is the WSRP consumer that is used to display and group multiple JD Edwards EnterpriseOne portlets as well as portlets provided by other WSRP producers.

---

**Note:** Server Manager must be used to deploy the EnterpriseOne HTML Web Client as a WSRP/Portal producer.

You have an option not to deploy WSRP components if the instance is for HTML server (JAS) only. If you are planning to use the instance as your WSRP producer, ensure you have this option check during deployment. The default is checked. Changing the ini setting after deployment will not install or un-install the WSRP components. You must re-deploy the application to take effect.

---

# 4

# Administering WSRP with Oracle WebCenter 11g

**Oracle WebLogic Server:** Effective with JD Edwards EnterpriseOne Tools Release 8.98.4, Oracle WebLogic Server 10.3.x is supported as a producer.

This chapter covers administrative tasks such as:

- Section 4.1, "Configuring Oracle WebCenter Portal for EnterpriseOne"
- Section 4.2, "Registering the WSRP Producer"
- Section 4.3, "Adding Portlets from the WSRP Producer to a Page"

## 4.1 Configuring Oracle WebCenter Portal for EnterpriseOne

Oracle WebLogic Administration Server needs to be running in order to register a WSRP producer. The Oracle WebCenter Enterprise Manager is part of the Oracle WebLogic Administration Server. They both use the same admin port.

### 4.1.1 Starting the WebLogic Node Manager

Starting Node Manager on a machine that hosts Managed Servers allow you to start and stop the Managed Servers remotely using the Administration Console or the command line. Node Manager can also automatically restart a Managed Server after an unexpected failure.

The steps below are for UNIX and Microsoft Windows platforms, respectively.

---

**Note:** Normally the Node Manager is running with the default port 5556.

---

**To start Node Manager on UNIX Systems:**

Start the Node Manager by running this script:

```
MW_Home/wlserver_10.3/server/bin/startNodeManager.sh
```

**To start Node Manager on Microsoft Windows Systems:**

Start the Node Manager by running this script:

```
MW_Home\wlserver_10.3\server\bin\startNodeManager.cmd
```

## 4.1.2 Starting the WebLogic Administration Server

The steps below are for UNIX and Microsoft Windows platforms, respectively.

### 4.1.2.1 Starting WebLogic Administration on UNIX Systems

To start WebLogic Administration on UNIX Systems:

1. Run this script in the directory where you create your new domain: startWebLogic.sh - The default location is: MW_HOME/user_projects/domains/your_domain/bin.
2. Before the server is started, you will be prompted for the WebLogic Admin Server user and password. If you do not want the server to prompt for user and password, you can create a boot.properties in this folder: MW_HOME/user_projects/domains/your_domain/servers/AdminServer/security. You might need to create the security folder if it does not exist.

### 4.1.2.2 Starting WebLogic Administration on Microsoft Windows Systems

To start WebLogic Administration on Microsoft Windows Systems:

1. Run this script in the directory where you create your new domain: startWebLogic.cmd The default location is: MW_HOME\user_projects\domains\your_domain
2. Before the server is started, you will be prompted for the WebLogic Admin Server user and password. If you do not want the server to prompt for user and password, you can create a boot.properties in this folder: MW_HOME\user_projects\domains\your_domin\servers\AdminServer\security You might need to create the security folder if it does not exist.

### 4.1.2.3 Modifying the boot.properties file

To modify the boot.properties file:

The boot.properties should contain two entries. For example:

- username=weblogic
- password=Welcome1

You should replace the username and password entries with values that are valid for your installation.

> **Note:** Both parameters (username and password) must be entered in lowercase.

The information in this file will be encrypted after the first use. You can use the same file for other managed server configuration.

## 4.1.3 Associate a Machine to a Server

In order to start a managed server from the Administration Console, you must first create a machine and then associate the managed server with that machine.

1. Login to the Oracle WebLogic Administration Console. For example:

   ```
   http://host:7001/console
   ```

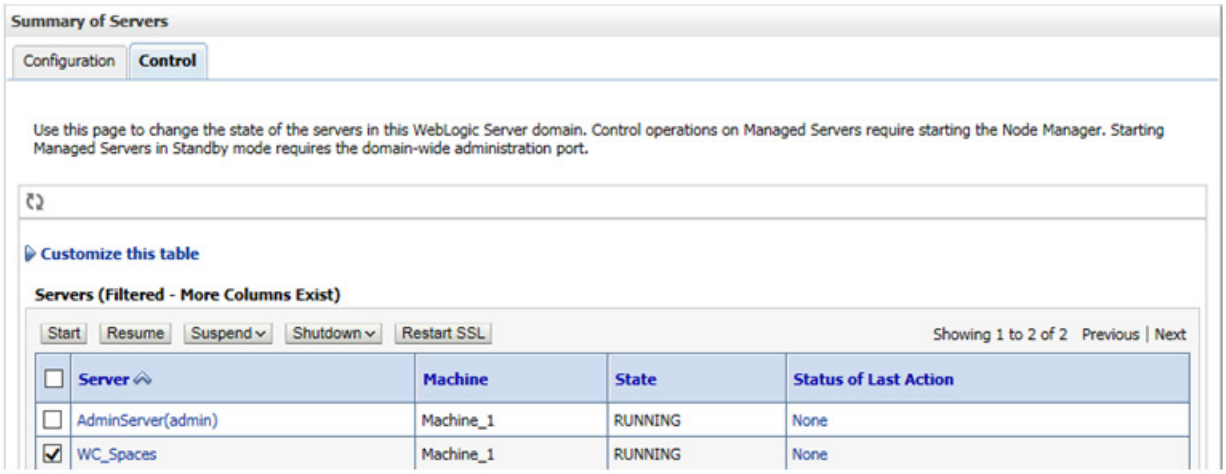
2. Navigate to **Environment > Machines**.

3. Click the **Lock & Edit** button.
4. Click the **New** button.
5. Click the **New** button.
6. Enter a machine name. For example: **Machine-WC**.
7. Select the machine name you just created, select **Target** tab, and associate this machine to your managed servers.
8. Click the **Activate Changes** button.

### 4.1.4 Starting the Oracle WebCenter Portal

Once a managed server is associated to a machine, you can select the server to start.

1. Navigate to **Environment > Servers**.
2. Select the **Control** tab.
3. Select the Managed Server you want to start.
4. Click the **Start** button.

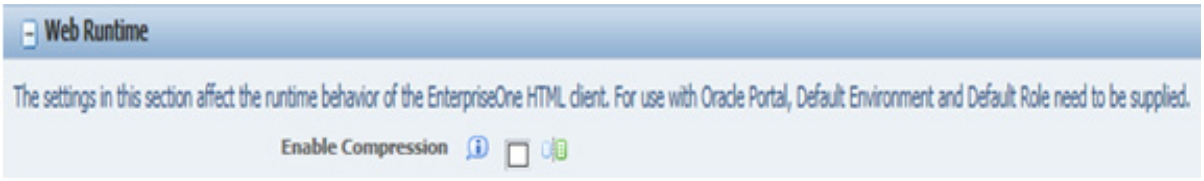



### 4.1.5 Verifying Configuration File Settings

WSRP Producer registration will fail unless these JD Edwards configuration settings are correctly set. Edit these settings through EnterpriseOne Server Manager.

Enter a valid Enterprise user and a valid environment in the JDBJ Bootstrap Session:

Enter a correct Path Code and Default Environment. Compression must be off on the WSRP producer.




## 4.2 Registering the WSRP Producer

EnterpriseOne WSRP Portlets can be registered using Enterprise Manager or WebCenter Console.

### 4.2.1 Registering a New WSRP Producer for Oracle WebCenter Using Enterprise Manager

To register a New WSRP Producer for Oracle WebCenter Using Enterprise Manager:

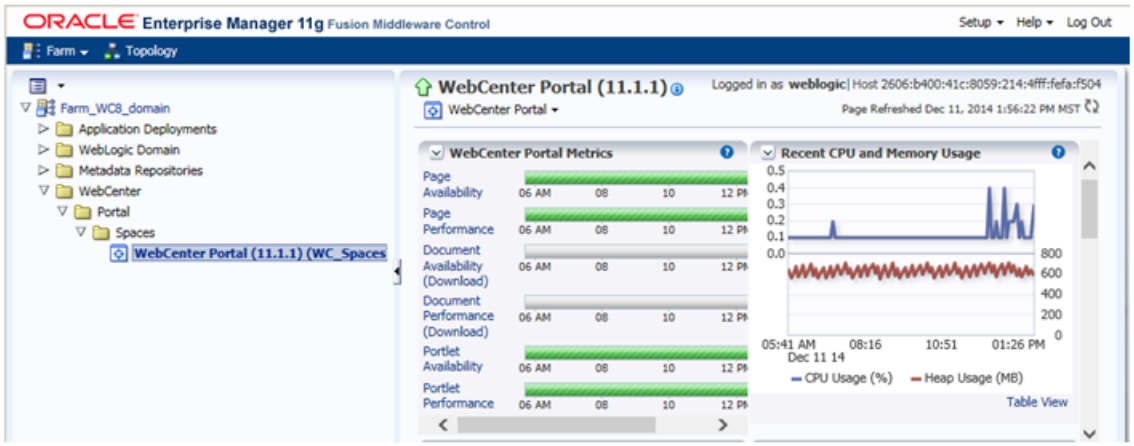
1. Open a browser.
2. Enter the Enterprise Manager URL. For example:

   ```
   http://host:7001/em
   ```

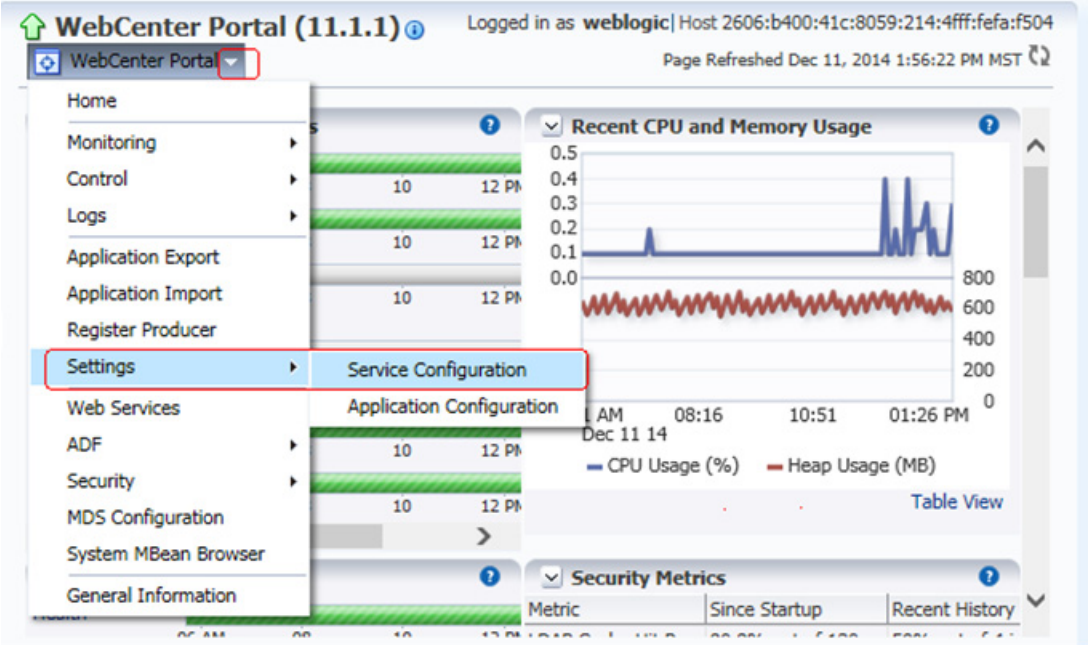
   **Note:** The port number is the same as the WebLogic Admin Console.

3. Enter the Admin user and password.

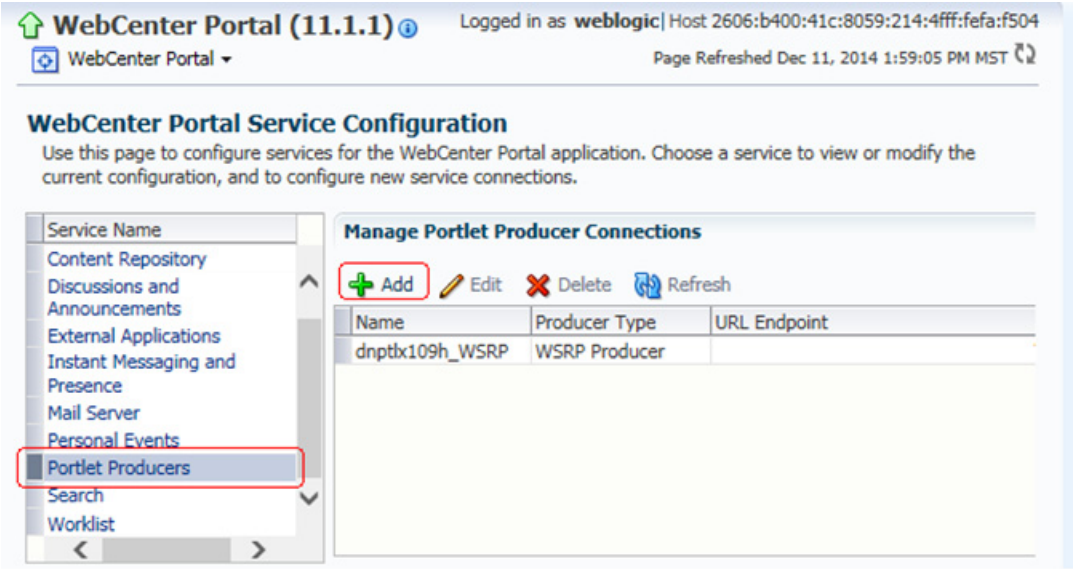
   Below is an example image of the Enterprise Manager console:



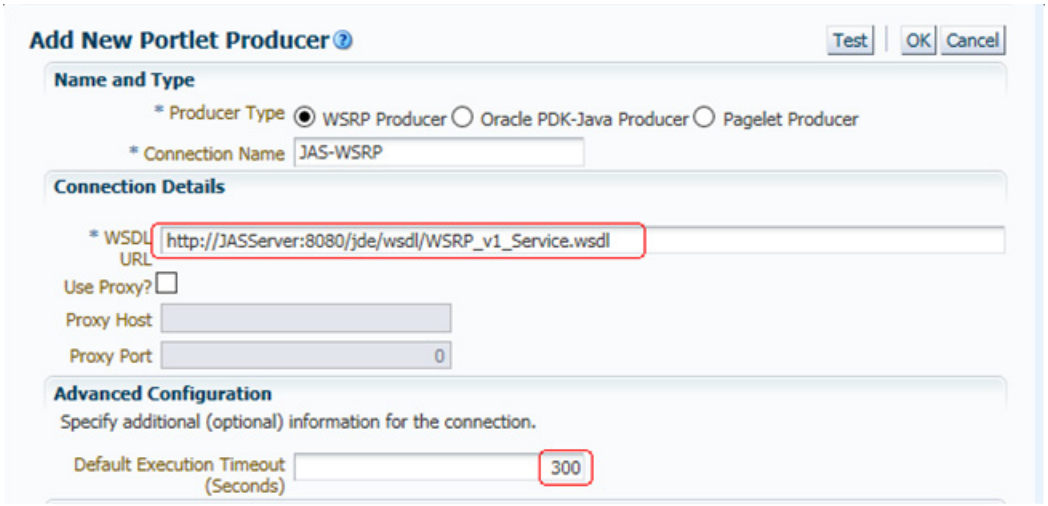

4. From the node structure in the left pane, expand WebCenter > WebCenter Spaces and then click on **webcenter (WC_Spaces)**.




5. Click the **WebCenter** drop down menu and select **Settings -> Service Configuration**.




6. Select **Portlet Producers** and then click **Add**.




7. On Add Portlet Producer Connection, enter the WSRP URL where the EnterpriseOne HTML web server is running.

   For WebLogic Server:

   If the web server is running on the WebLogic Server, then you would follow this format:

   ```
   http://<host>:<port>/jde/wsdl/WSRP_v1_Service.wsdl
   ```

   **Note:** If you are planning to use the SSL configuration, you must import the certificate from the WSRP producer to WebCenter Portal keystore.

8. On Add Portlet Producer Connection, increase the **Default Execute Timeout** to about 300 seconds; otherwise the registration might fail due to a network problem.

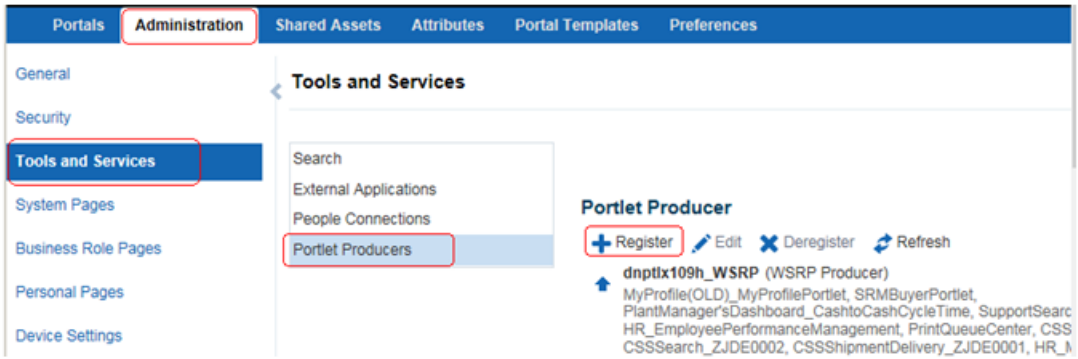
## 4.2.2 Registering a New WSRP Producer for Oracle WebCenter Using WebCenter Console

You can also register a Portlet Producer from the WebCenter Console instead of using the Enterprise Manager Console as described in the previous section. You must sign on as a WebCenter Administrator:

```
http://host:8888/webcenter
```

To register a Portlet Producer from the WebCenter:

1. Login to WebCenter Portal.



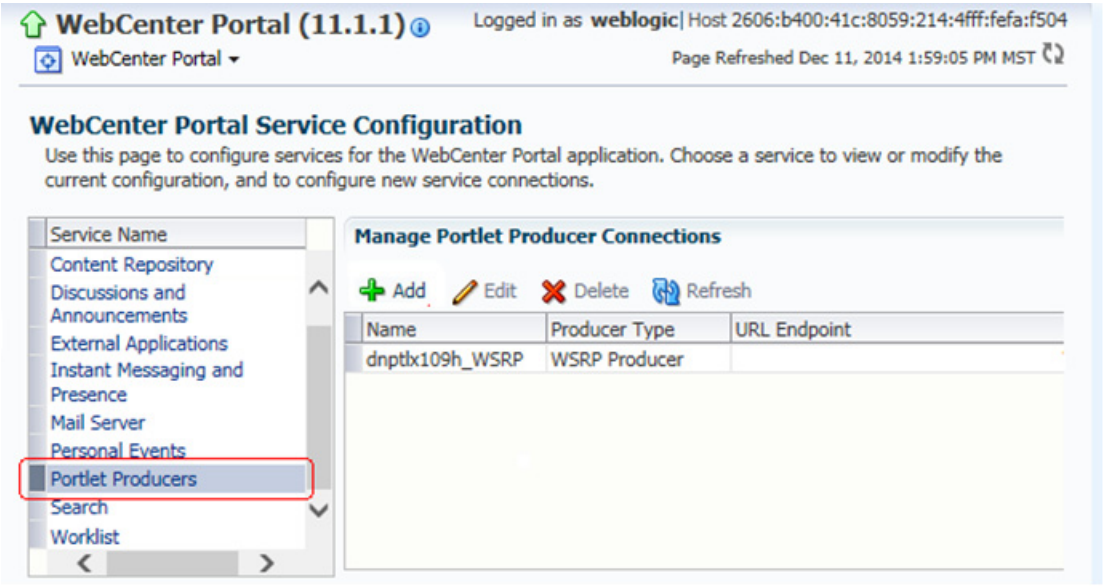

2. Select Administration tab - Tools and Services - Portlet Producers.
3. Click **Register** to add a new producer or **Edit** to change the settings for a existing producer.

4. Enter the WSDL and click the **Test** button to verify the server connection.
5. Set the default execution timeout to 300 seconds. Adjust this value based on your network traffic.
6. Once the producer is registered, you can return to your page and add the portlet from this producer.

### 4.2.3 Reviewing the Existing WSRP Registration on Your System

To review the existing WSRP registration on your system:

1. On the WebCenter Portal dropdown menu, select **Settings > Service Configuration.**




2. On WebCenter Service Configuration, select **Portlet Producers** to display all of the existing Producers.

## 4.3 Adding Portlets from the WSRP Producer to a Page

Once the WSRP Producer is registered, you are now ready to add the EnterpriseOne Portlets to Oracle WebCenter Portal.

To create a JD Edwards EnterpriseOne user on WebCenter:

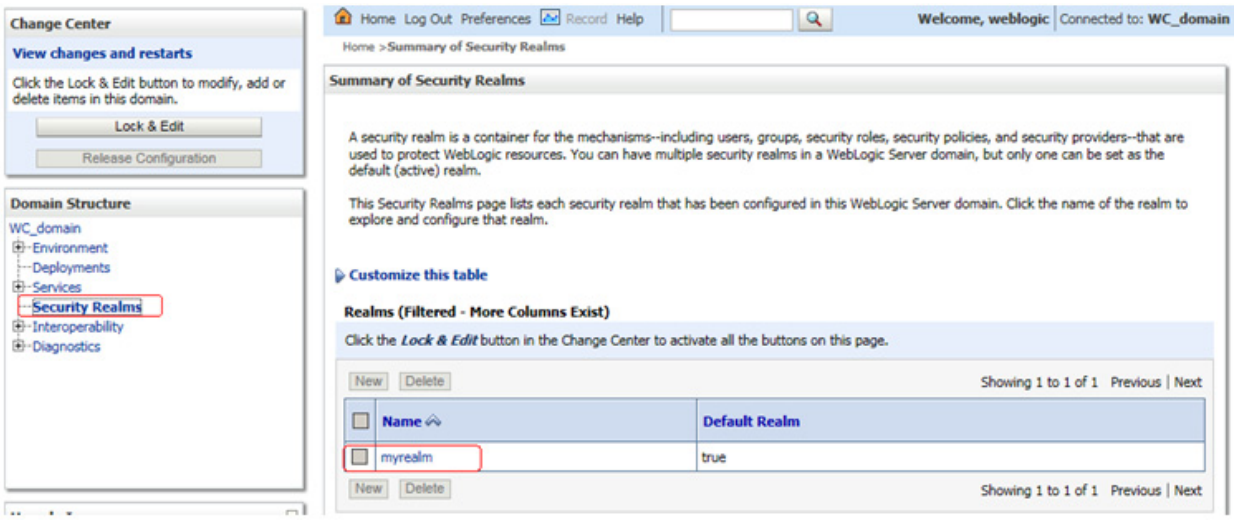
---

**Note:** In order to access JD Edwards EnterpriseOne Portlets, this user must be a valid JD Edwards EnterpriseOne user. If you have configured an external LDAP server, then users must be added from the LDAP server.

---

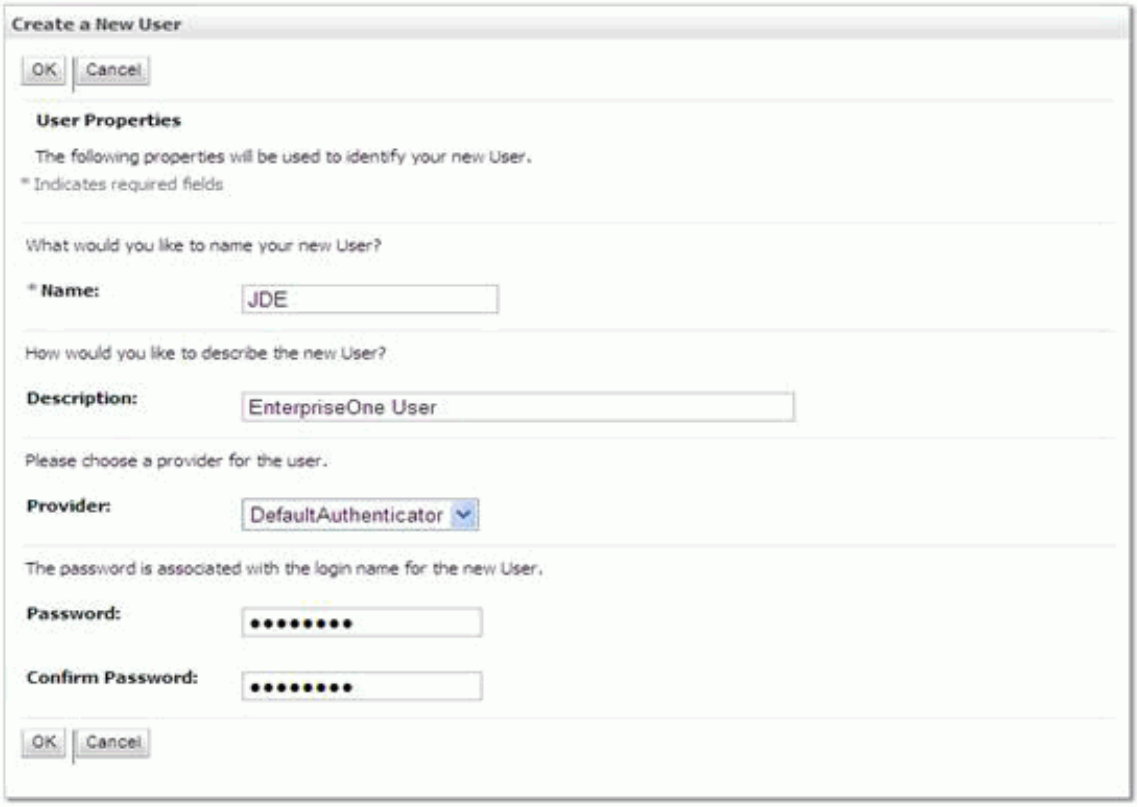
1. Create a JD Edwards EnterpriseOne user on WebCenter from the Administration Console.
2. Open a browser, access the Oracle WebLogic Server Administration Console. For example:

   `http://host:port/console`




3. Navigate to **Security Realms > myrealm.**

4. Select the **Users and Groups** tab.
5. Click the **New** button and enter the new user information.



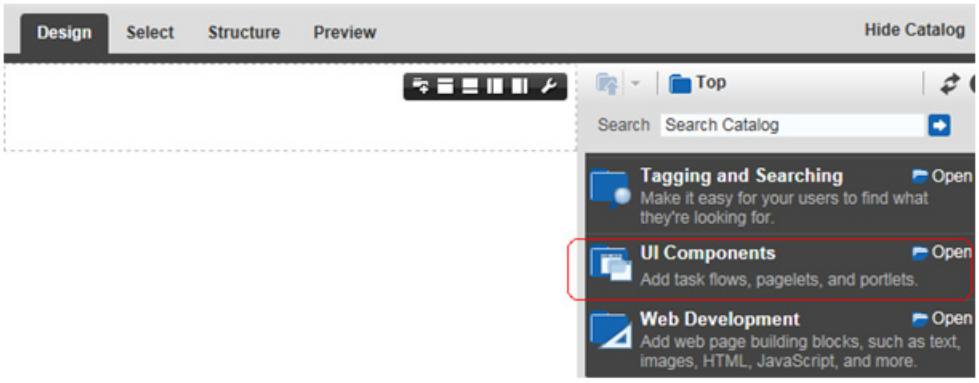

6. Select your LDAP provider. Select **DefaultAuthenticator** for the default embedded OID server.
7. Click the **OK** button to save the information.

### 4.3.1 Accessing the Oracle WebCenter

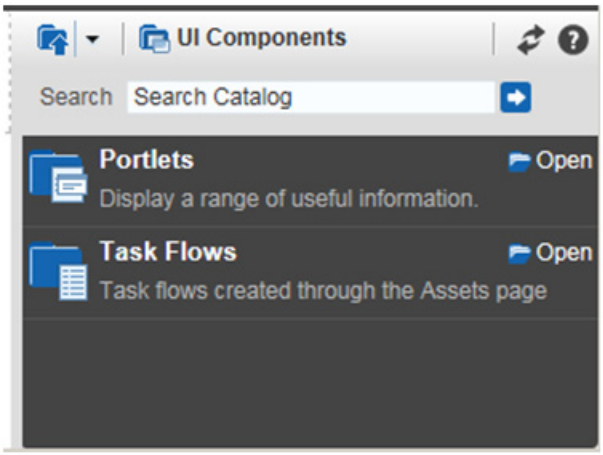
To access the Oracle WebCenter:

1. From a browser, access your WebCenter URL. For example: http://host:8888/webcenter *where 8888 is the default WebCenter port*.
2. Enter the user and password. In order to access EnterpriseOne Portlets, this user must be an EnterpriseOne user.
3. Select **Create Page** from the Page Actions option on upper right.
4. Select the **Page** option.

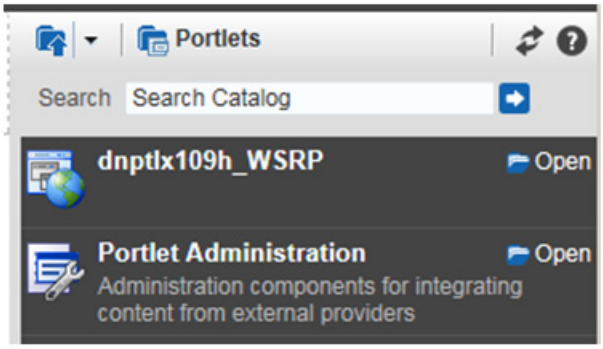
5. Enter the **Page Name** and select the **Page Style**, and then click **Create**.
6. An empty page will be created.



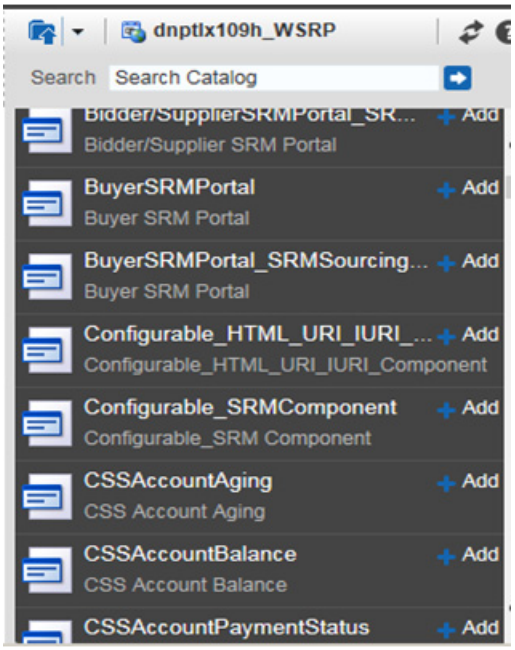

7. Select the **UI Components** from the Catalog Search panel.




8. On Catalog, select the **Portlets** component.




9. Select your Producer from the list.

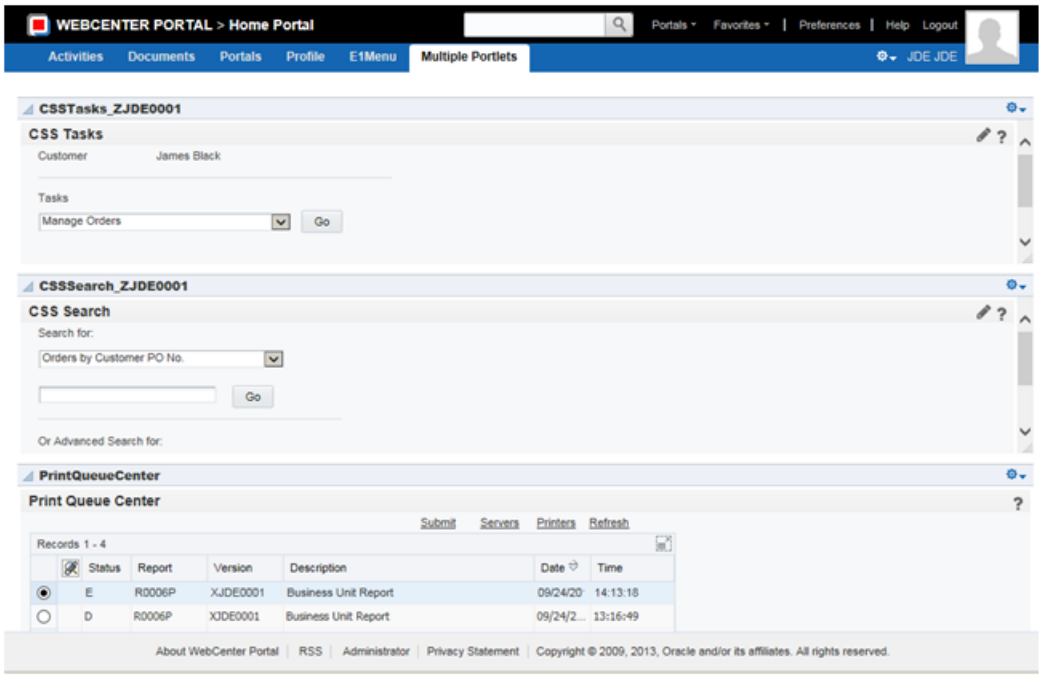



10. Select the EnterpriseOne Portlet from the list and click **Add**.
11. Select the **Edit** icon (wrench button in the top right corner of the portlet) for each portlet and use the pulldown to change the value for **Render Portlet In I Frame** to **True** from the Display Option tab, where the default is value is set to **Auto**.

    **Note:** You must change this setting for each portlet.

12. When the values for each portlet are changed, click the **Save** button.
13. Click the **Close** button.

This completes the steps necessary to access the JD Edwards EnterpriseOne portlets. An example screen is shown below.



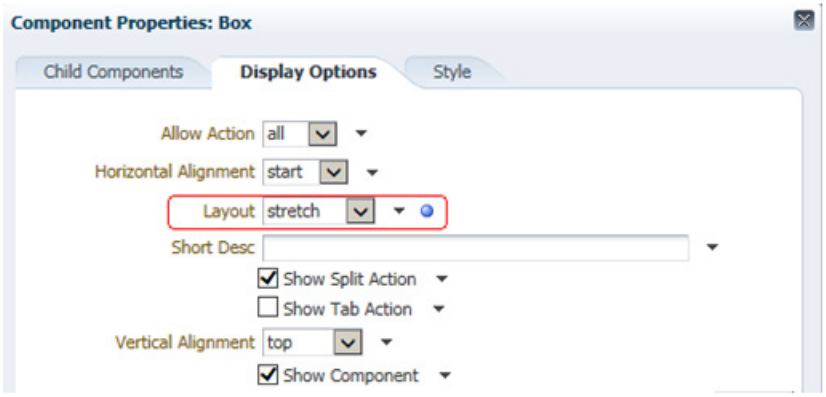

## 4.3.2 Additional Requirements for the E1Menu Portlet

The E1Menu portlet should not be associated with any other portlets on the same page.

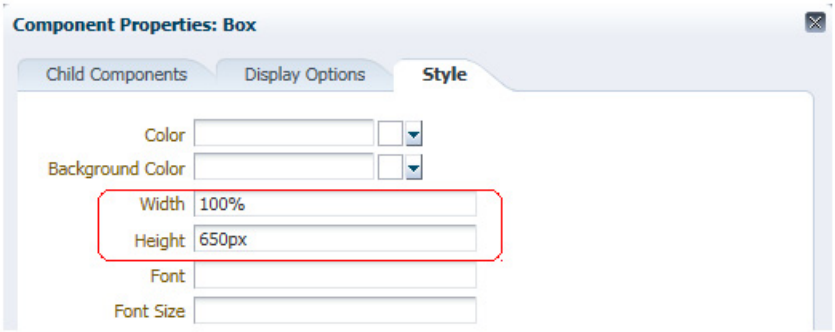
Additional settings are required for the E1Menu portlet on Oracle WebCenter Portal.

To add these additional settings:

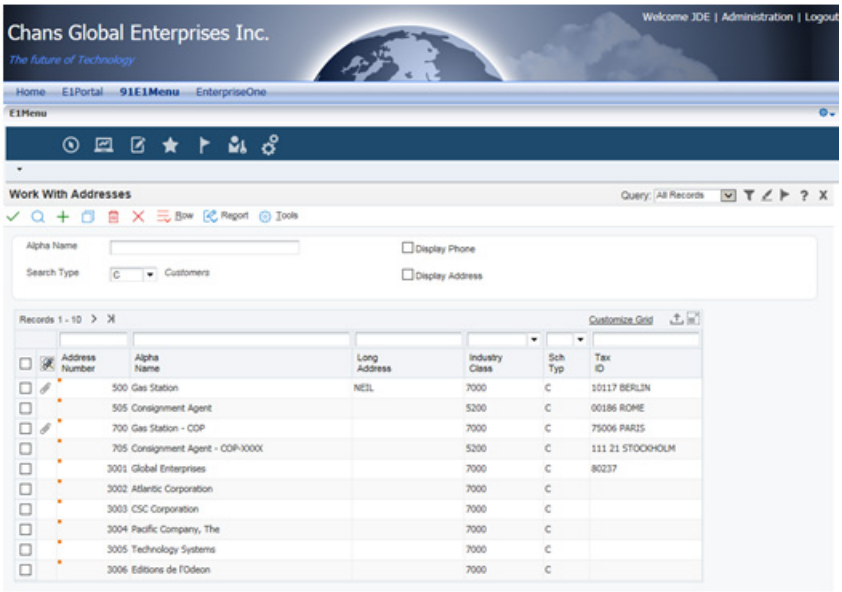
1. Select the **Edit** icon from the page (not the one from the portlet).




2. Change the Layout to **stretch** from the Display Options tab.
3. Click **Apply**.




4. Change the Width to 100% and Height to 650px (you can adjust the height value based on your display size).
5. Click **Apply** and click **OK**.
6. Click **Save** and **Close**.




7. Launch the E1Menu Portlet and verify the configuration.

# A

# Create Database Schemas with Repository Creation Utility

This appendix discusses creating database schemas with Repository Creation Utility (RCU) 11.1.1.8.0. Prior running this utility, you must have a functioning database such as Oracle database 11g or 12c. RCU is available on only Windows and Linux platforms, but you can create schemas on other supported platforms.

The version of the Repository Creation Utility MUST match the product you are installing.

## A.1 Prerequisites

- You must have a database installed and configured.

  If your existing database is not UTF-8 format, you will get a warning message that you can ignore.

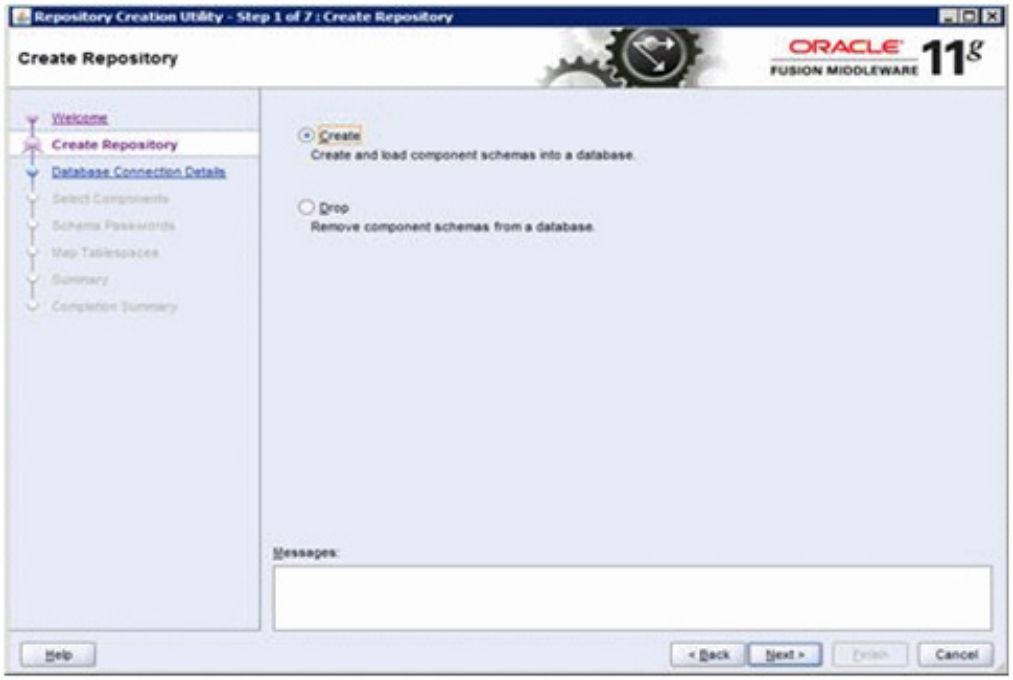
  If you are installing a new database, set it to use UTF-8 format.

- You must alter these Oracle database parameters:
  - Alter system set processes=500 scope=spfile
  - Alter system set open_cursors=800 scope=spfile
  - Restart database before running RCU

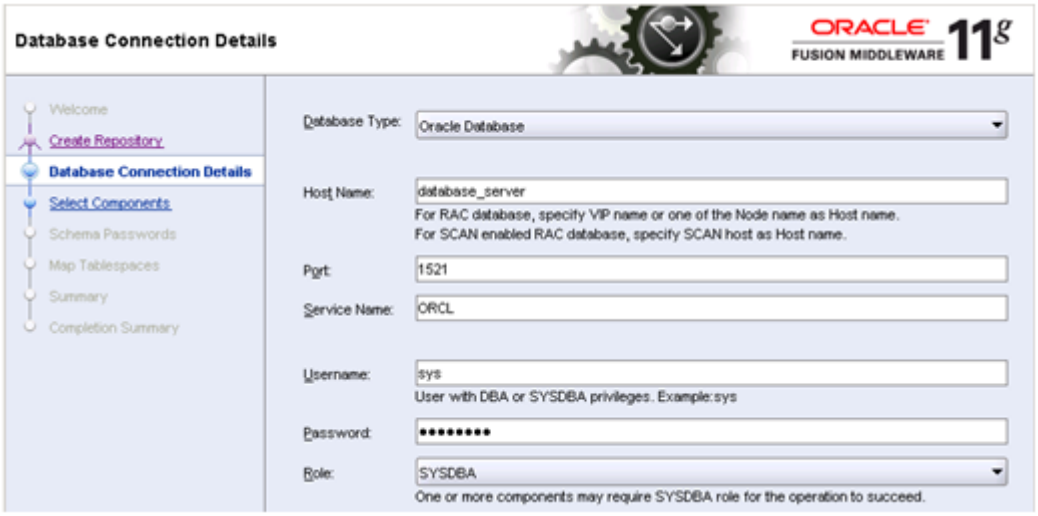
## A.2 Launching the Repository Creation Utility

Use these steps to launch the Repository Creation Utility.

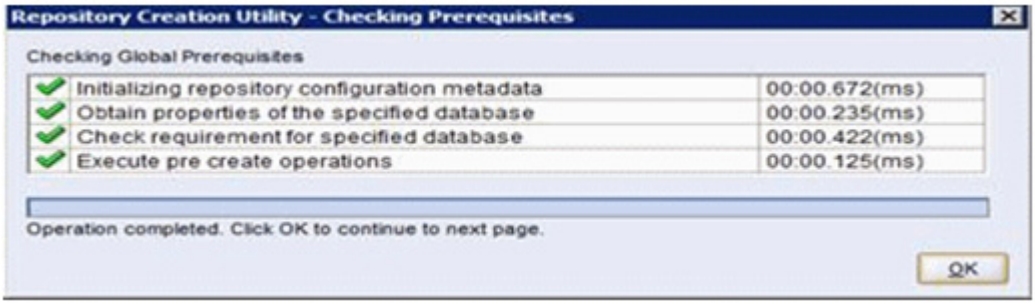
1. Download and unzip the *Oracle Fusion Middleware Repository Creation Utility 11g for Windows or Linux* file.
2. Run rcu.bat on Windows or rcu on UNIX from rcuHome/bin folder.
3. Click **Next** on the Welcome page.



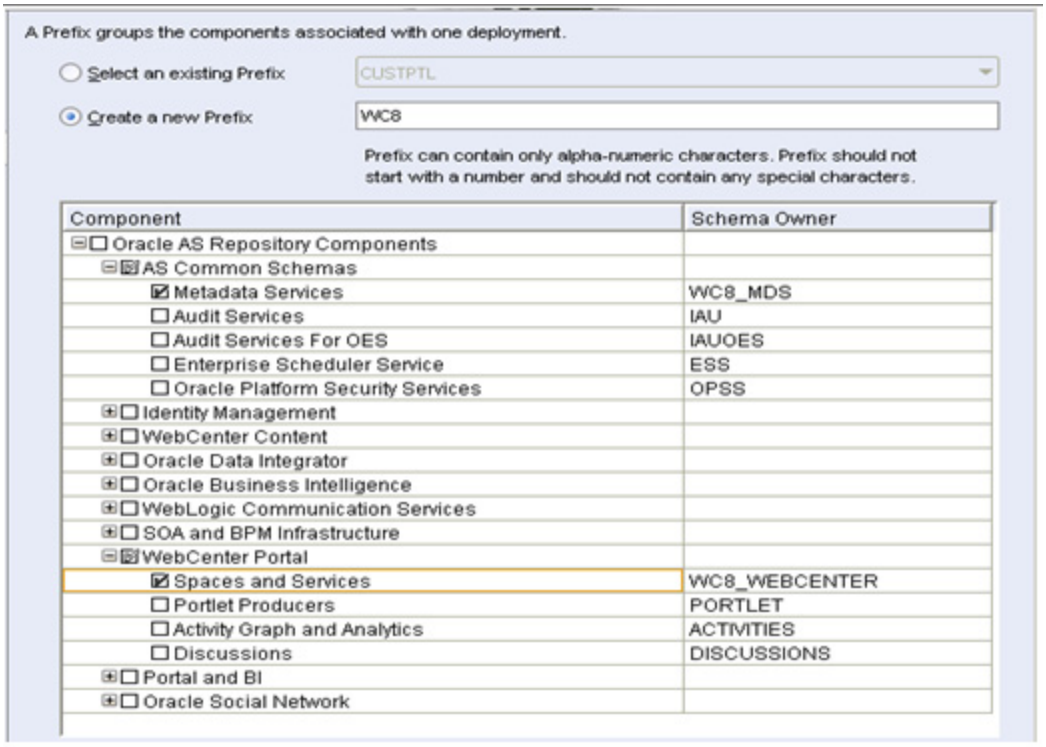

4. Select the **Create** option and click **Next**.




5. Enter the database connection information.

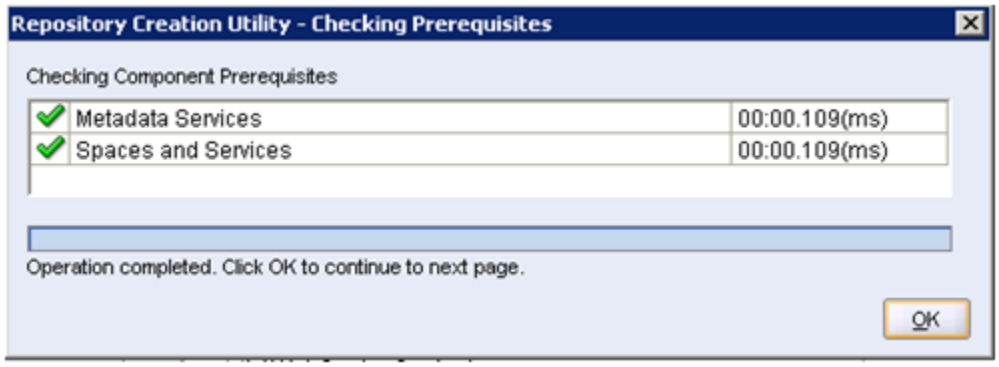



6. The utility performs a prerequisites check.

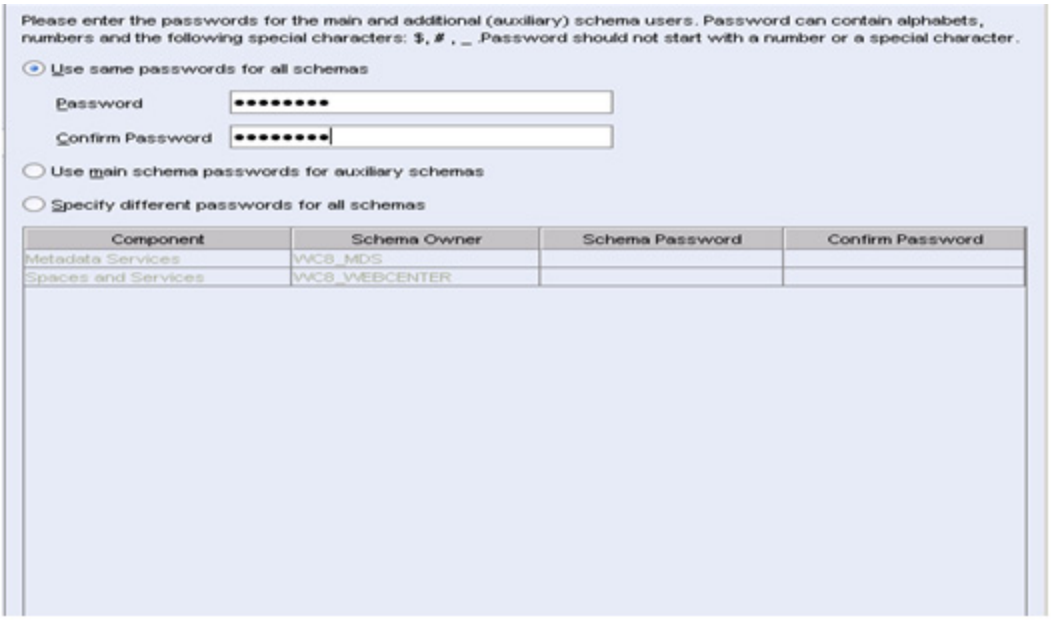



7. On Select Components, enter the prefix that identifies your environment in the **Create a new Prefix** field.
8. In the Component area, select the schemas you need to create.
   - For WebCenter - select the Spaces and Services from the WebCenter Portal Section.
   - For OID - If you are planning to use Oracle Internet Directory as your LDAP server, you can select Oracle Internet Directory from the Identity Management section as well.

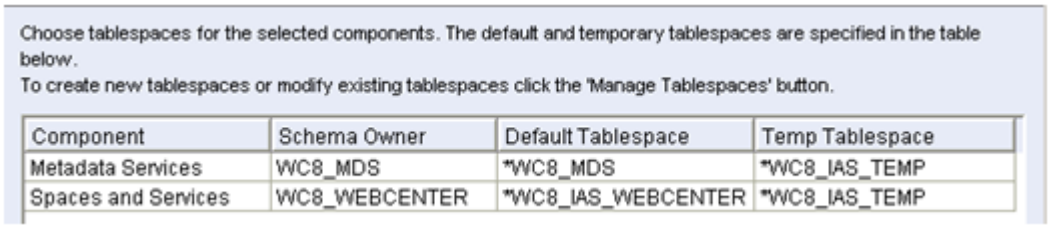
   **Note:** You can rerun this utility anytime to add more database schemas for other products.




9. The utility performs the prerequisites again.




**10.** Enter the schema passwords.

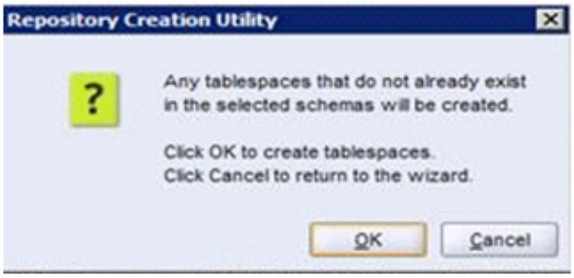



**11.** Review the tablespace mapping.

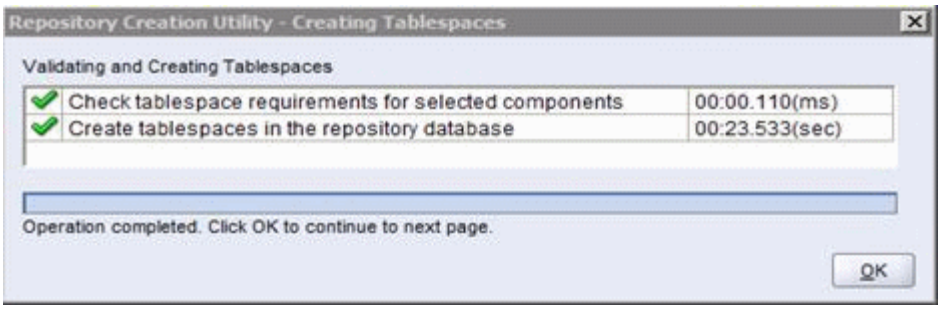
---

**Note:** This example shows a different schema prefix than the default, which is DEV.

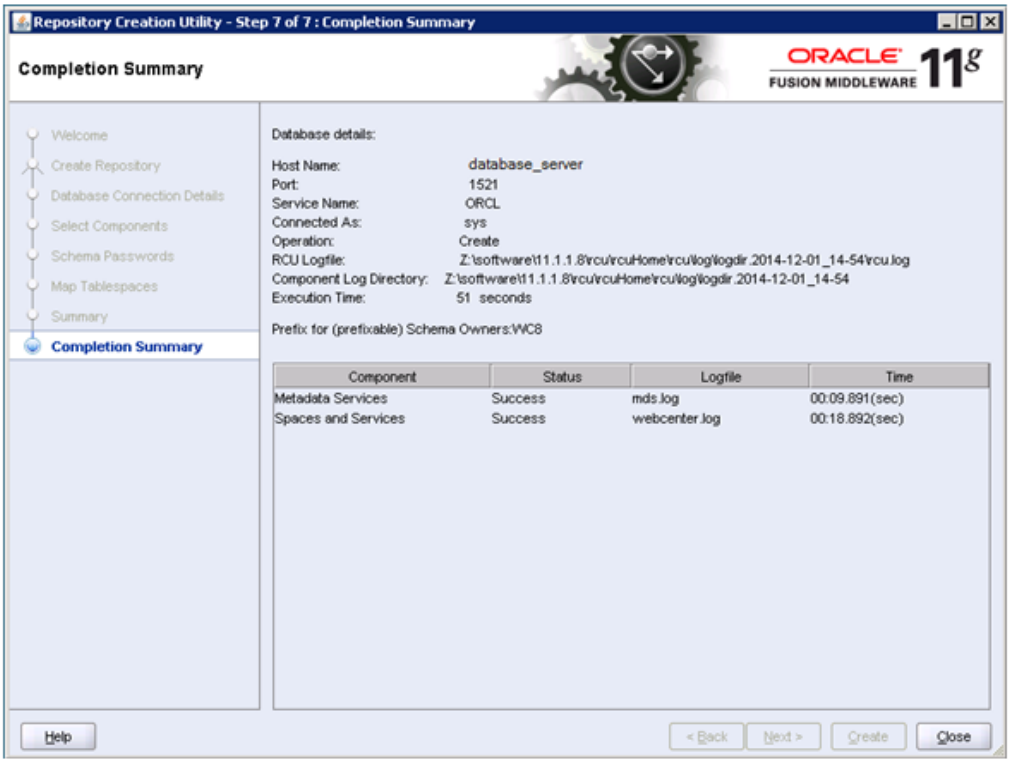
---




**12.** The utility creates any tablespaces that do not already exist.




13. The utility validates and creates the tablespaces.
14. Review the summary.
15. Click **Create** to start the tablespaces creation.




16. Click **Close** to exit Repository Creation Utility.

# B

# Installing WebLogic Server

This appendix discusses installing the WebLogic server.

## B.1 Prerequisites

- Install a 64-bit JDK 1.7 based on your platform.
- Add the JDK 1.7 location to the system path.

## B.2 Installing the WebLogic Server

Use these steps to install WebLogic Server 11g.

1. Run the Oracle WebLogic 10.3.6.0 installer from the image that you downloaded from the Oracle Software Delivery Cloud.

   The item name of the installer is Oracle WebLogic Server 11gR1 (10.3.6) Generic and Coherence (V29856-01).

   The filename of the installer is: wls1036_generic.jar

   **For Windows, open a command window**

   ```
   >java  -jar  wls1036_generic.jar
   ```

   On UNIX platforms, the command syntax to run the installer is platform dependent.

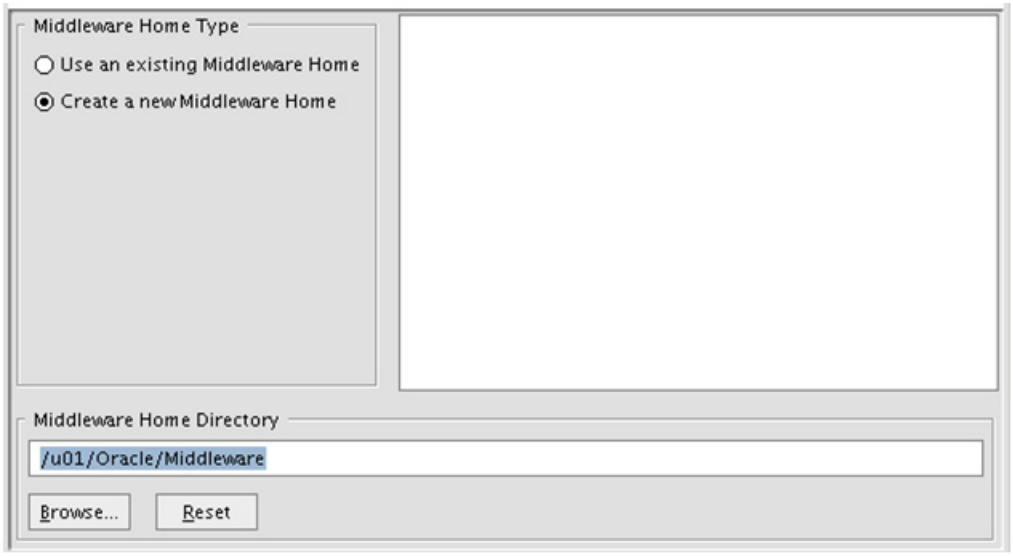
   **For Linux and AIX (non-Hybrid JDK)**

   ```
   > java  -jar  wls1036_generic.jar
   ```

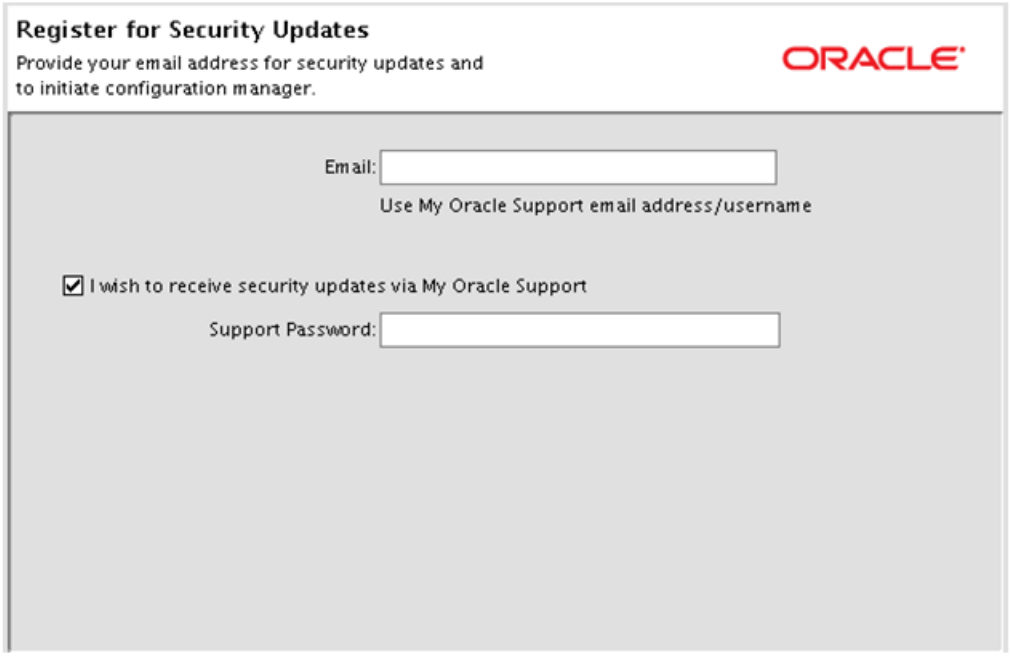
   **For Solaris and HP-UX (Hybrid JDK)**

   ```
   > java  -d64  -jar wls1036_generic.jar
   ```

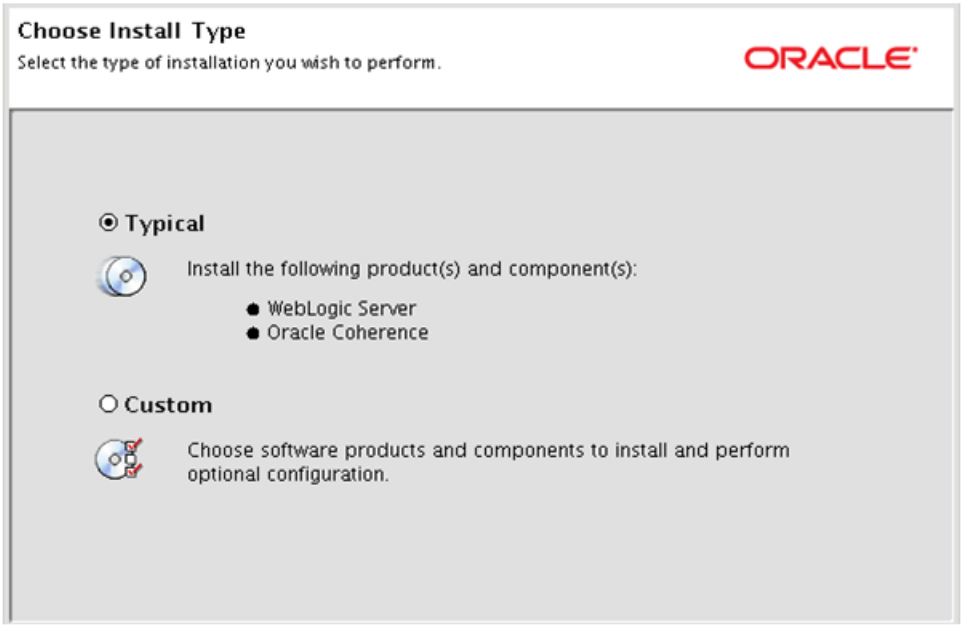
2. Click **Next** on the Welcome page.



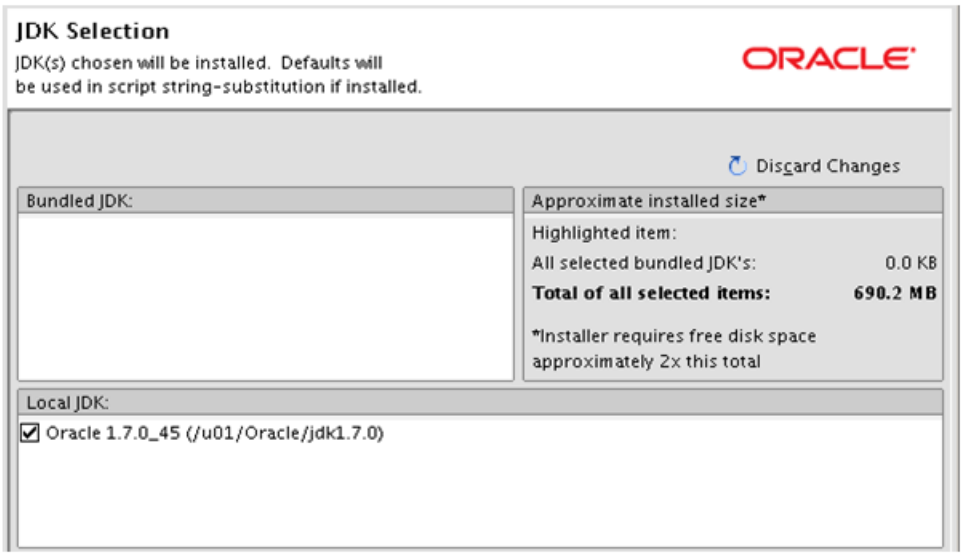

3. Click **Create a New Middleware Home** option, and then enter the Home Directory.



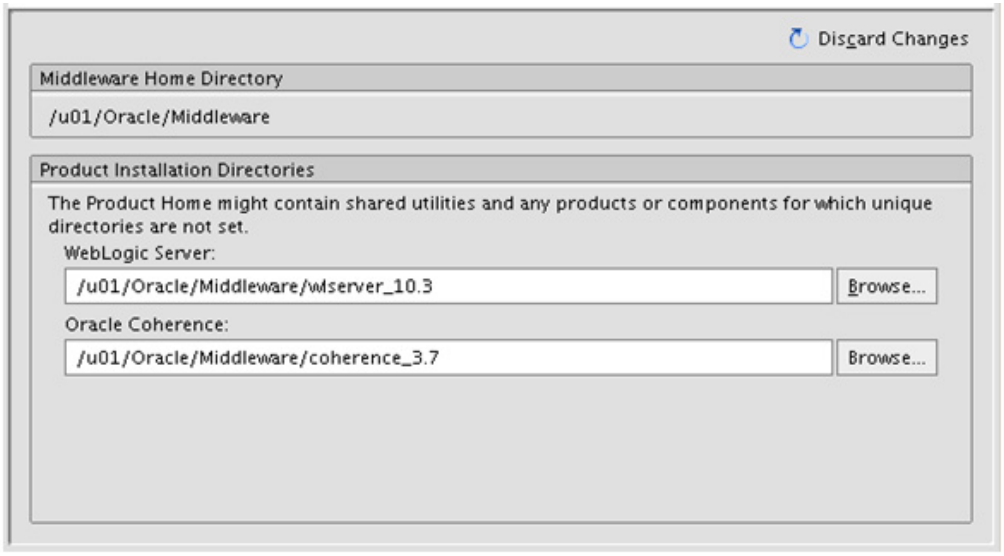

4. Enter the contact information for Security Updates.



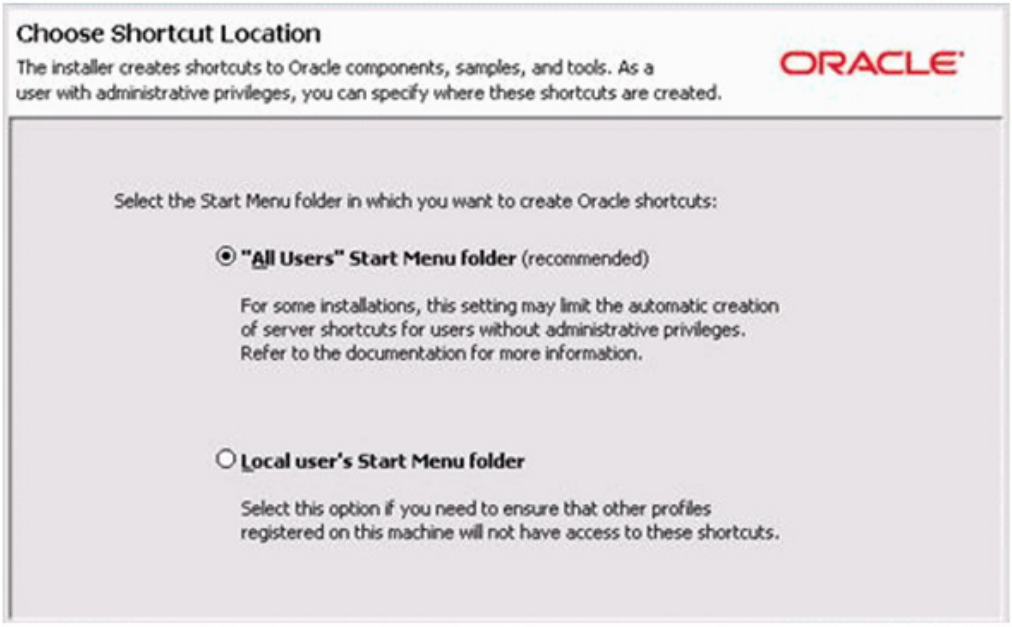

5. Select **Typical** as the installation type.



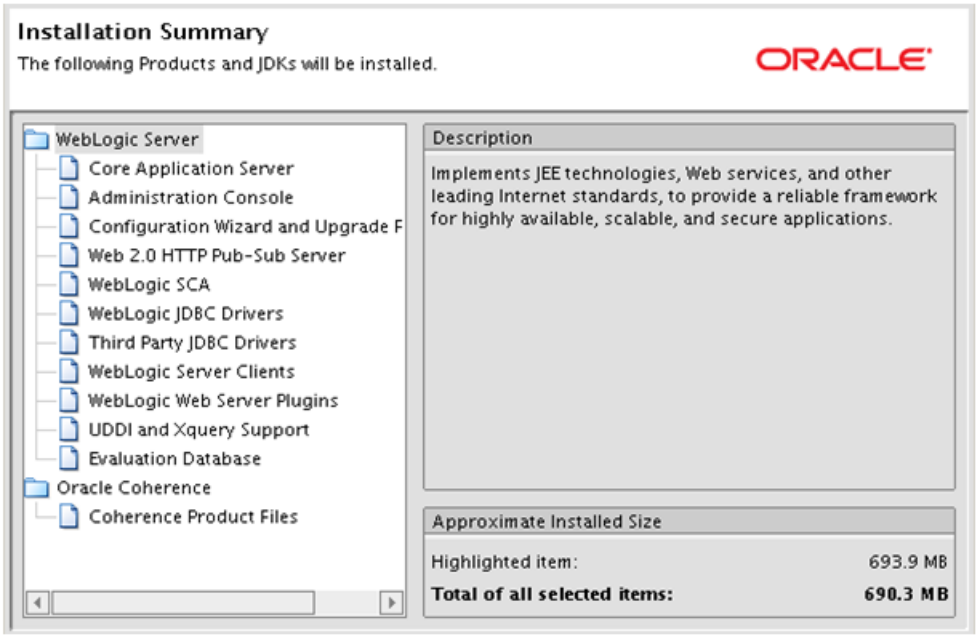

6. Verify the JDK location.



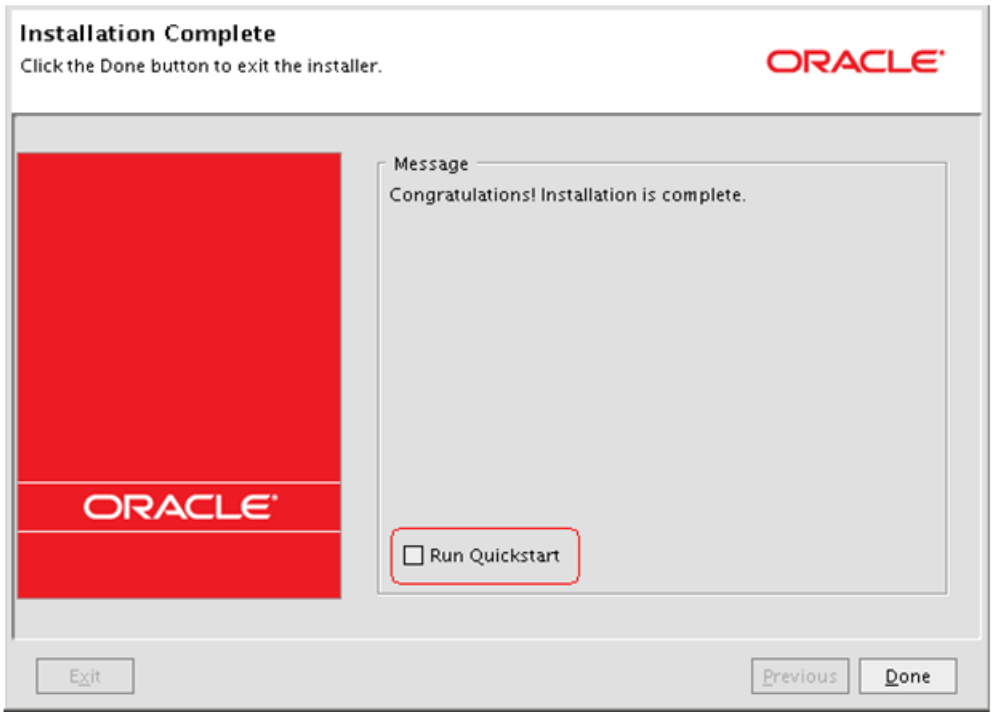

7. Confirm the install location.




8. On Windows platform, the system prompts you for a shortcut location.




9. Review the Installation Summary page and click **Next**.




10. Un-check the **Run Quickstart** option and click **Done**.

> **Note:** A new domain will be created during the WebCenter installation.

# Glossary

**web service**

A web service is a software system designed to support communication between two electronic devices over a network.

**WSRP**

Abbreviation for Web Services for Remote Portlets.

**WSRP Consumer**

The WSRP Consumer is a web service client that invokes producer-offered WSRP web services and provides an environment for users to interact with portlets offered by one or more producers.

**WSRP Producer**

The Producer is a web service that offers one or more portlets and implements various WSRP interfaces and operations. In the JD Edwards EnterpriseOne solution, the JD Edwards EnterpriseOne HTML Web Server is the WSRP producer.