

MY First Blog On Jdeveloper11g- Khushbu Thakur

Jdeveloper 11g

Jdeveloper and Web logic Server.

JDeveloper comes with an embedded Oracle Application Server (OCJ4). You can create JavaEE files like servlets, jsps and jsf, ejb and and run them without any additional installation or effort! In Jdeveloper you can create ADF application.Also, Jdeveloper use integrated weblogic server. JDeveloper uses this preconfigured installation as the Integrated Oracle WebLogic Server, an JDeveloper-managed server for testing and debugging your applications from within the IDE

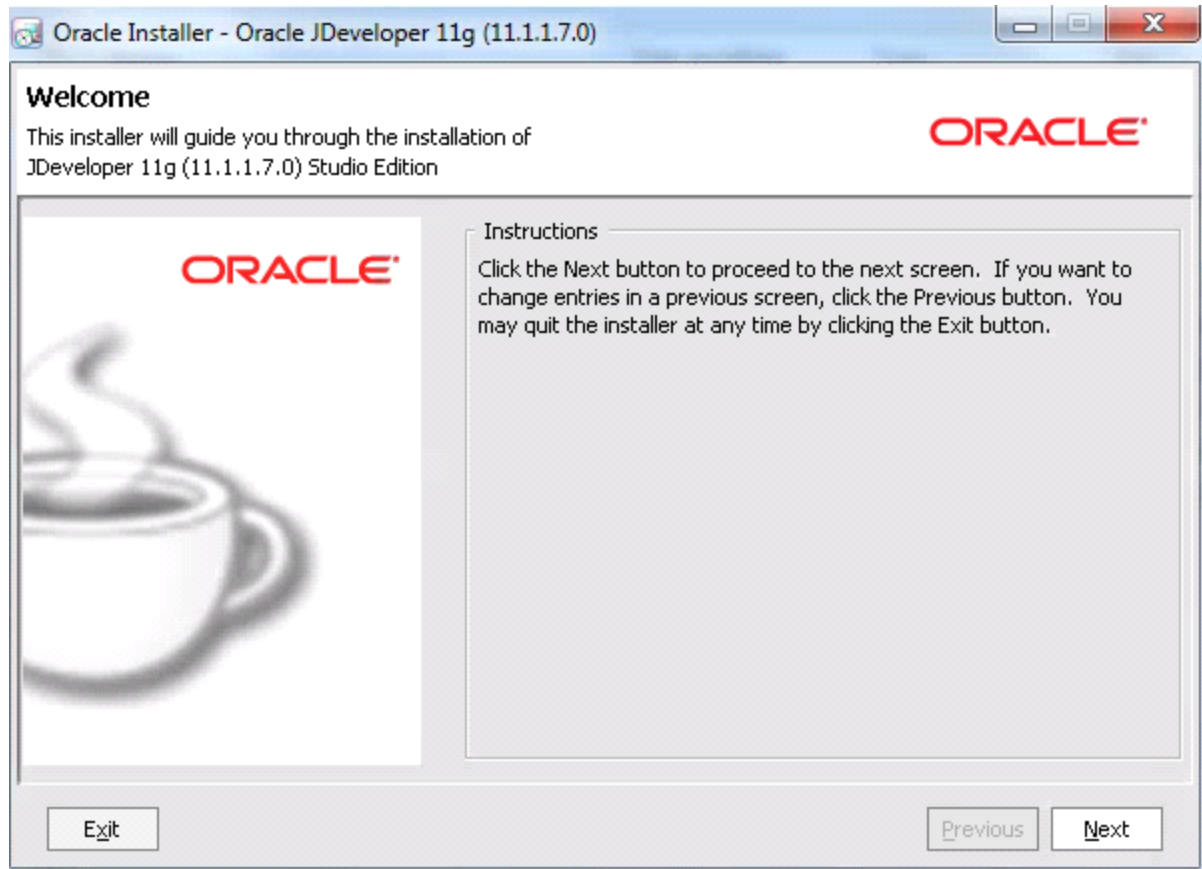
In this document you will get to know how to install Jdeveloper11g with integrated web logic server and how it will work.

Let's first install Jdeveloper 11g.

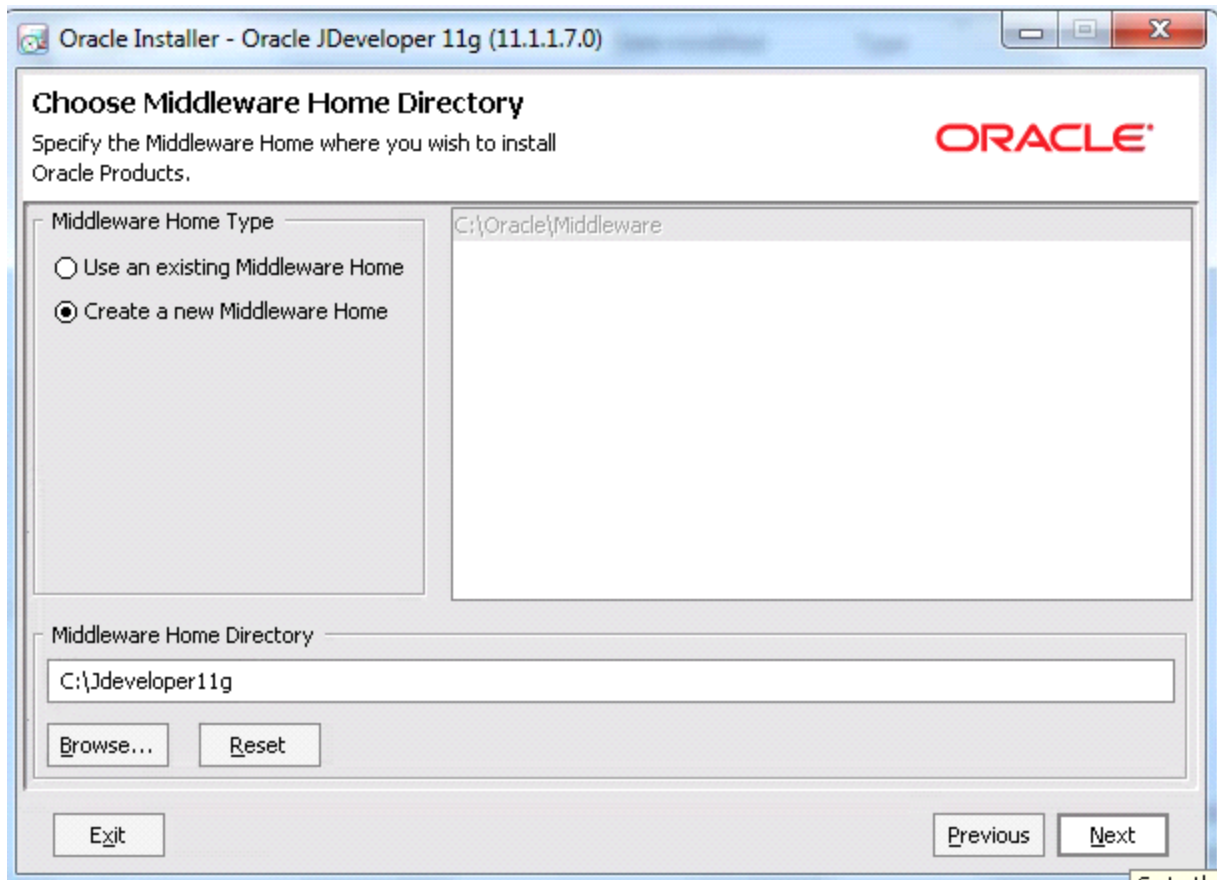
Use JDeveloper version 11g (Installer can be found here)

<https://www.oracle.com/tools/downloads/jdev-11g-11117-downloads.html>

1)Click to the next button to proceed to the next screen.

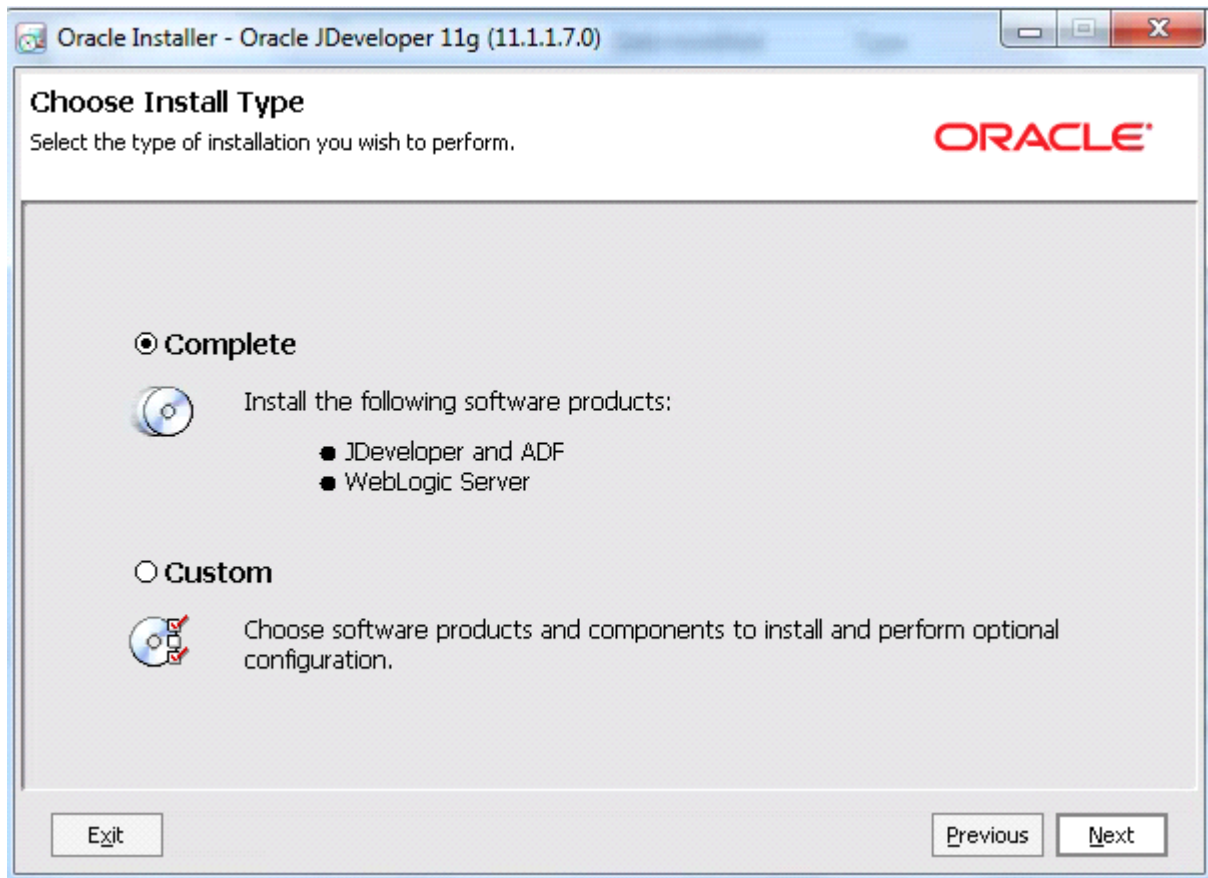


2)Specify The Middleware Home where You wish to install Oracle Products.
Middleware Home directory, the default provided is
C:\Oracle\Middleware\ for Windows, and \$HOME/Oracle/Middleware/
for Linux and Unix platforms.

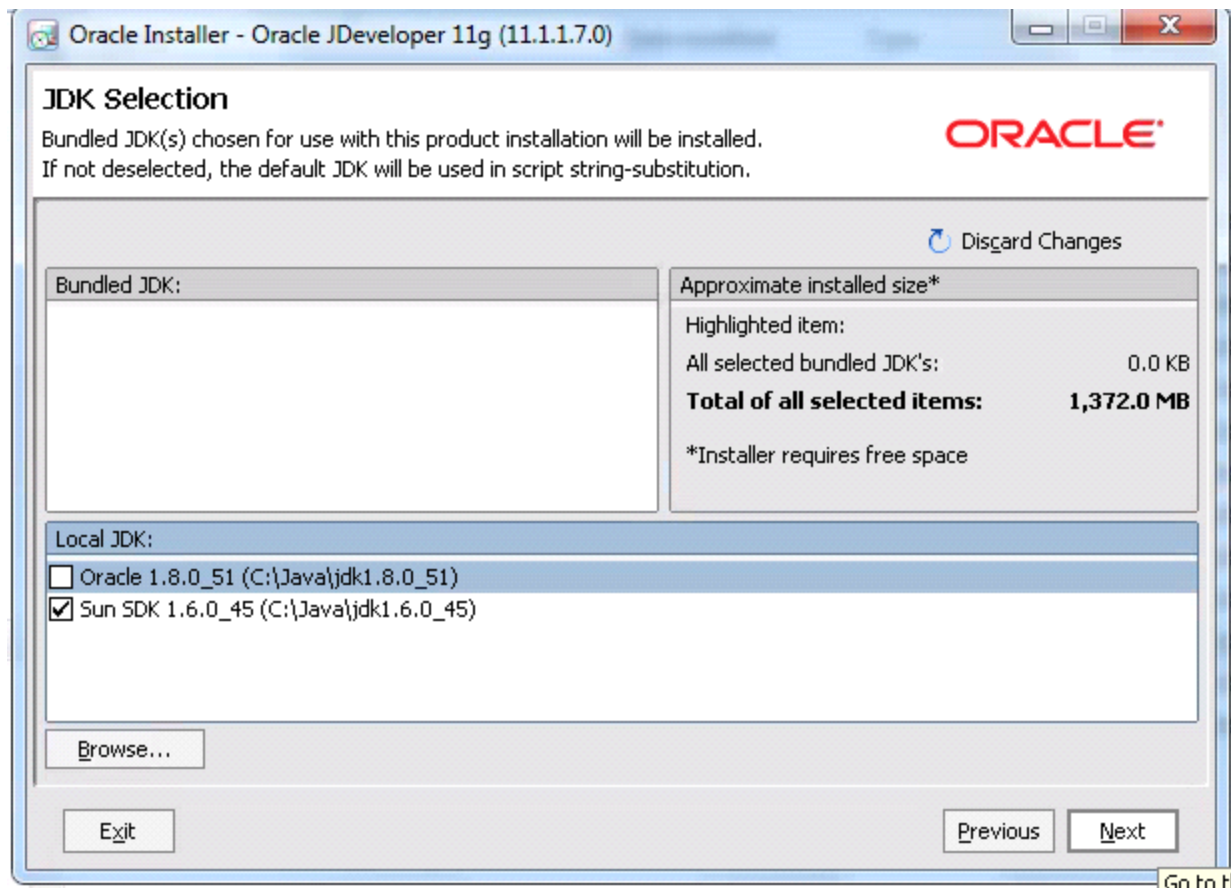


3) **choose complete installation type.** And click on next button.

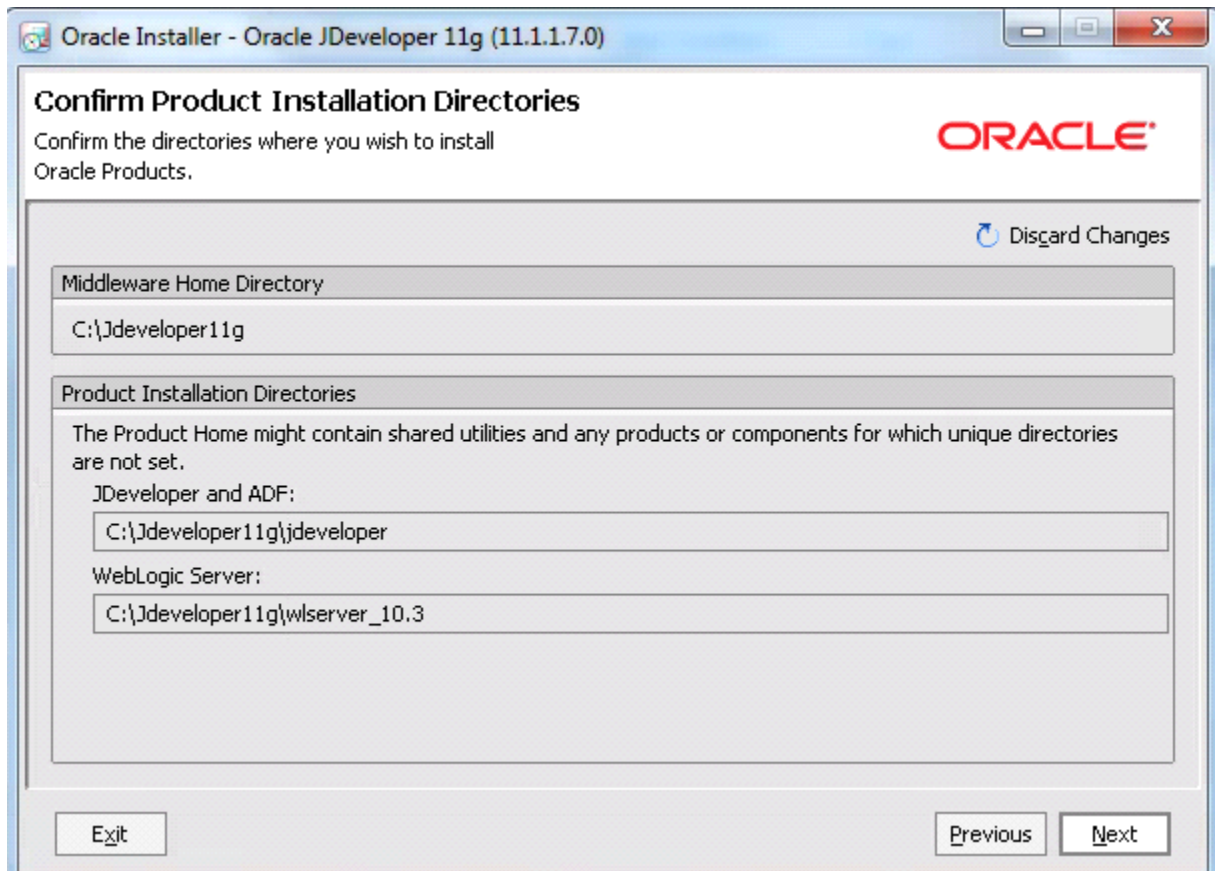
Selecting Complete-- will install Oracle JDeveloper Studio, Application Development Framework Runtime, and Oracle WebLogic Server on your system.



4)select Jdk1.6 version, browse to java folder in c drive and select jdk1.6. if jdk1.6 is not present in java folder get install it. And click on next button.



- 5) Confirm the directories where you wish to install the oracle products.
-View the directories that the components will be installed in.



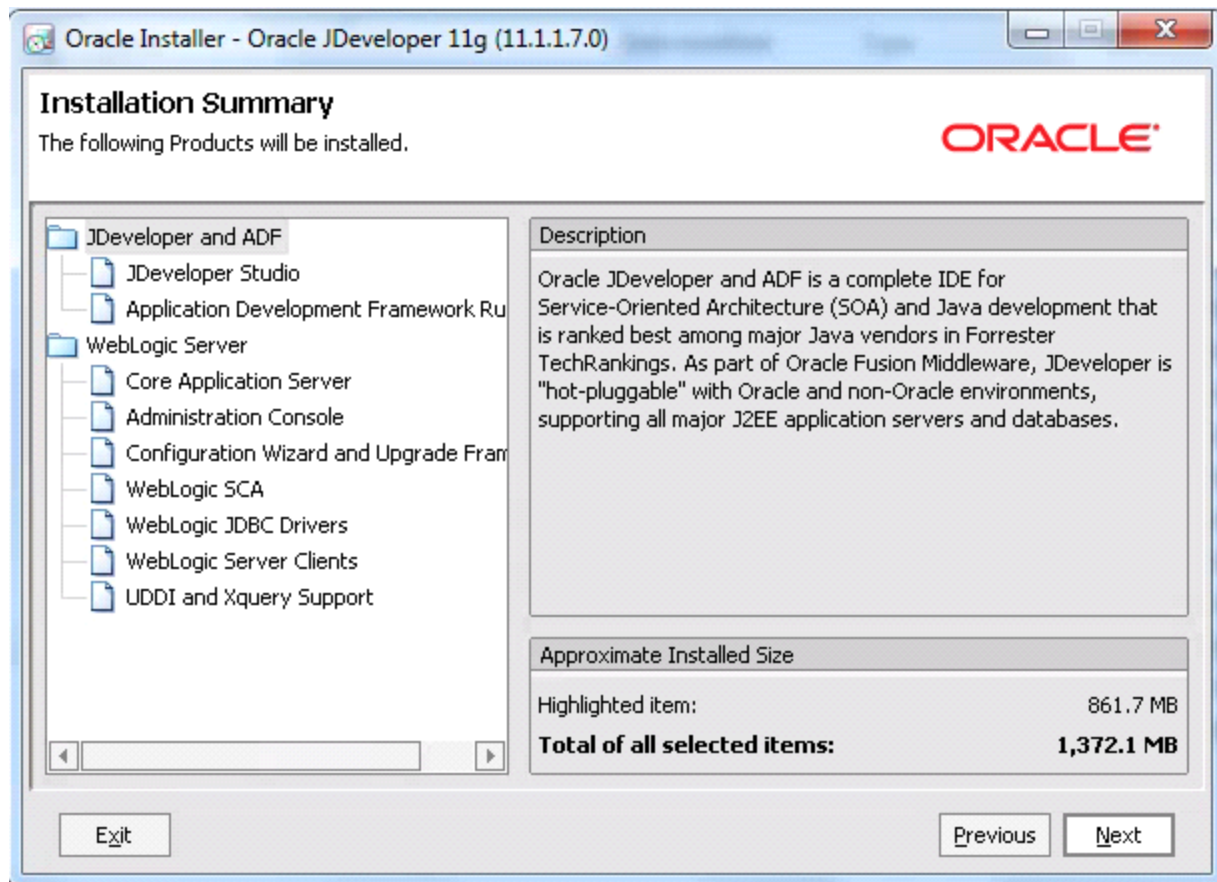
6) Click on next button to install the following products.

Install Windows Service (Windows systems only)

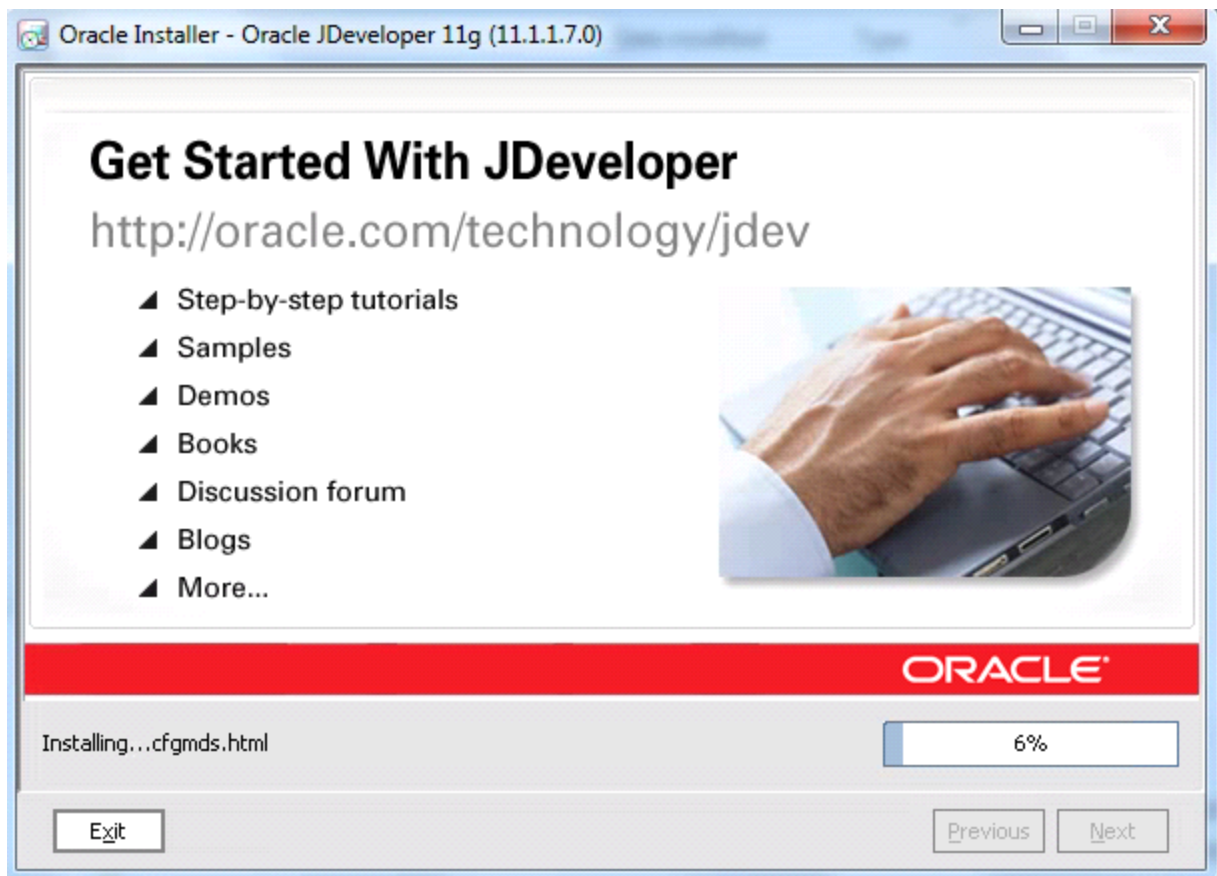
Select to install the Node Manager Service. Node Manager is used to monitor, start, and stop server instances in a domain.

Installation Summary

Displays the components that will be installed and total disk space that will be utilized.



7)Get started with Jdeveloper.

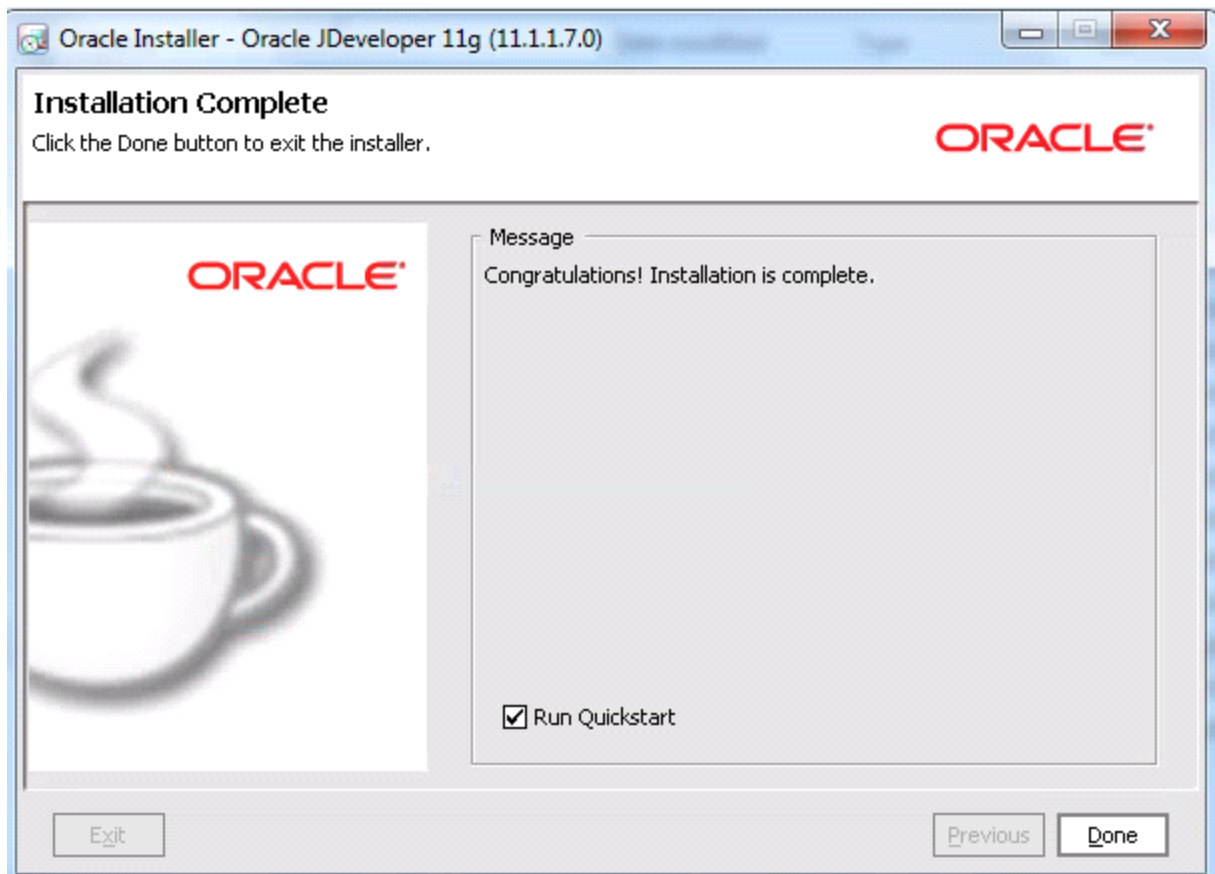


8) Click on quick start button to install the weblogic server. And then click on Done button.

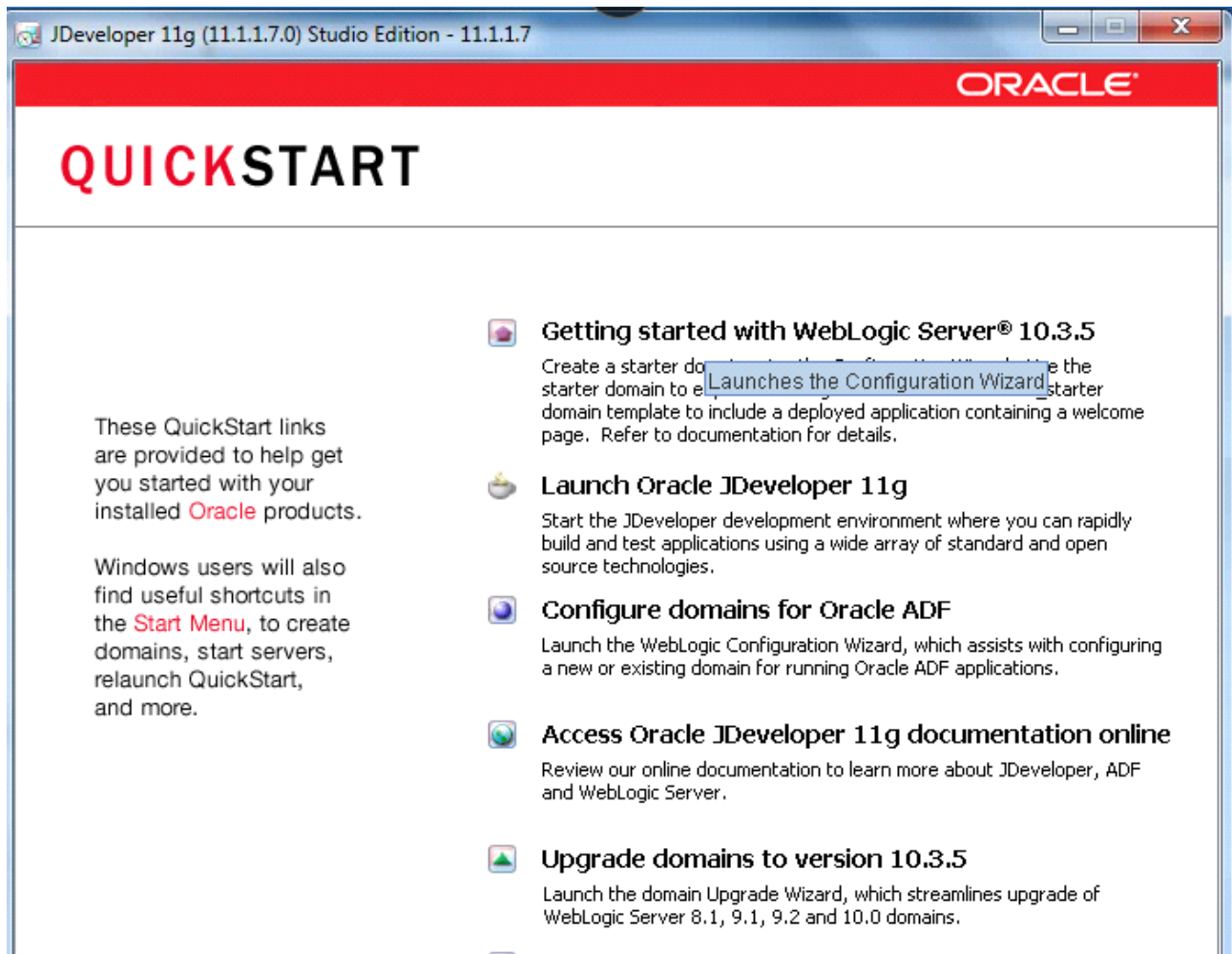
Installation Complete-

Select Run Quickstart to open the Quickstart window once the installation process has ended. Quickstart enables you to easily launch installed components and access online documentation.

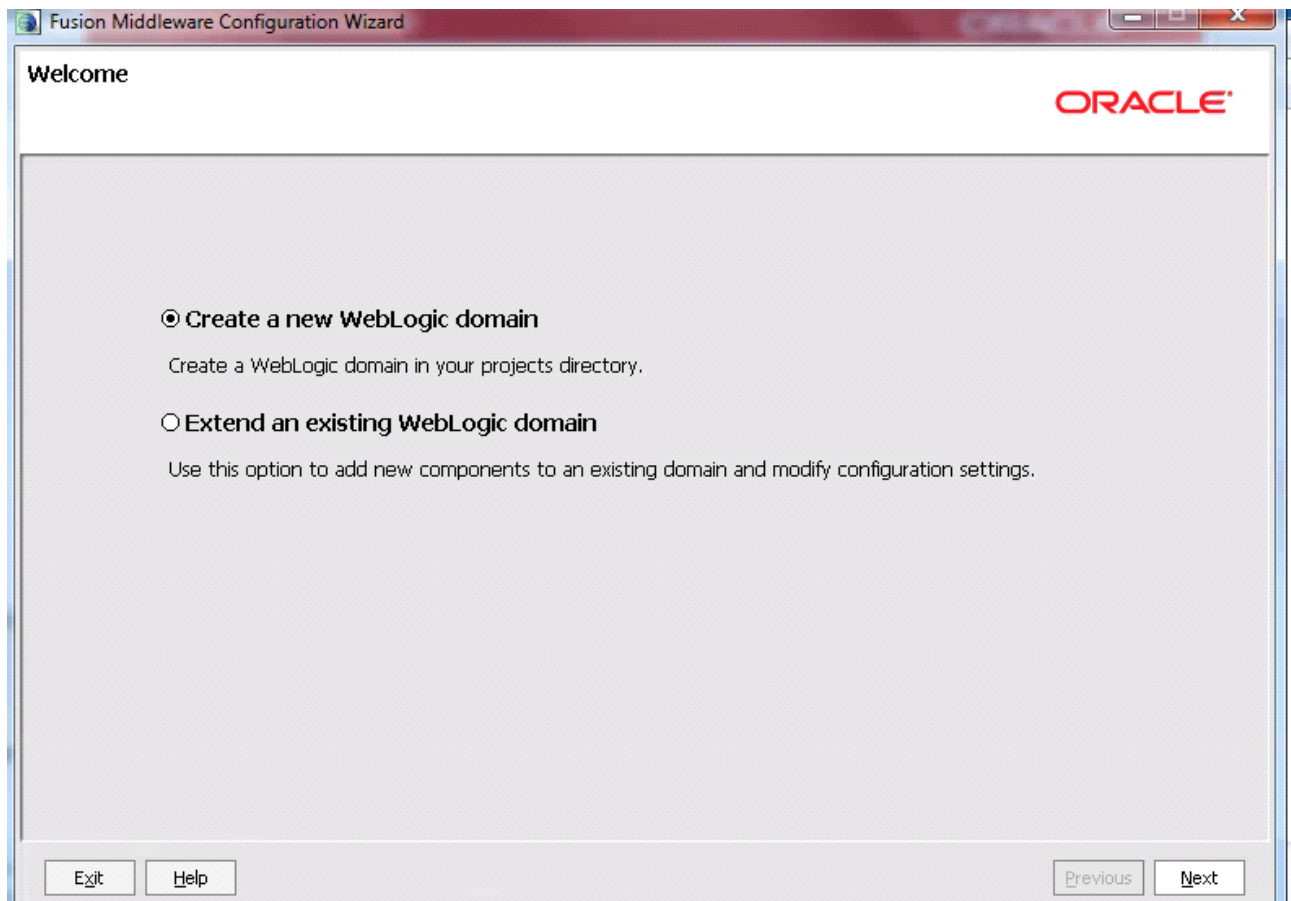
Click Done to end the installation process.



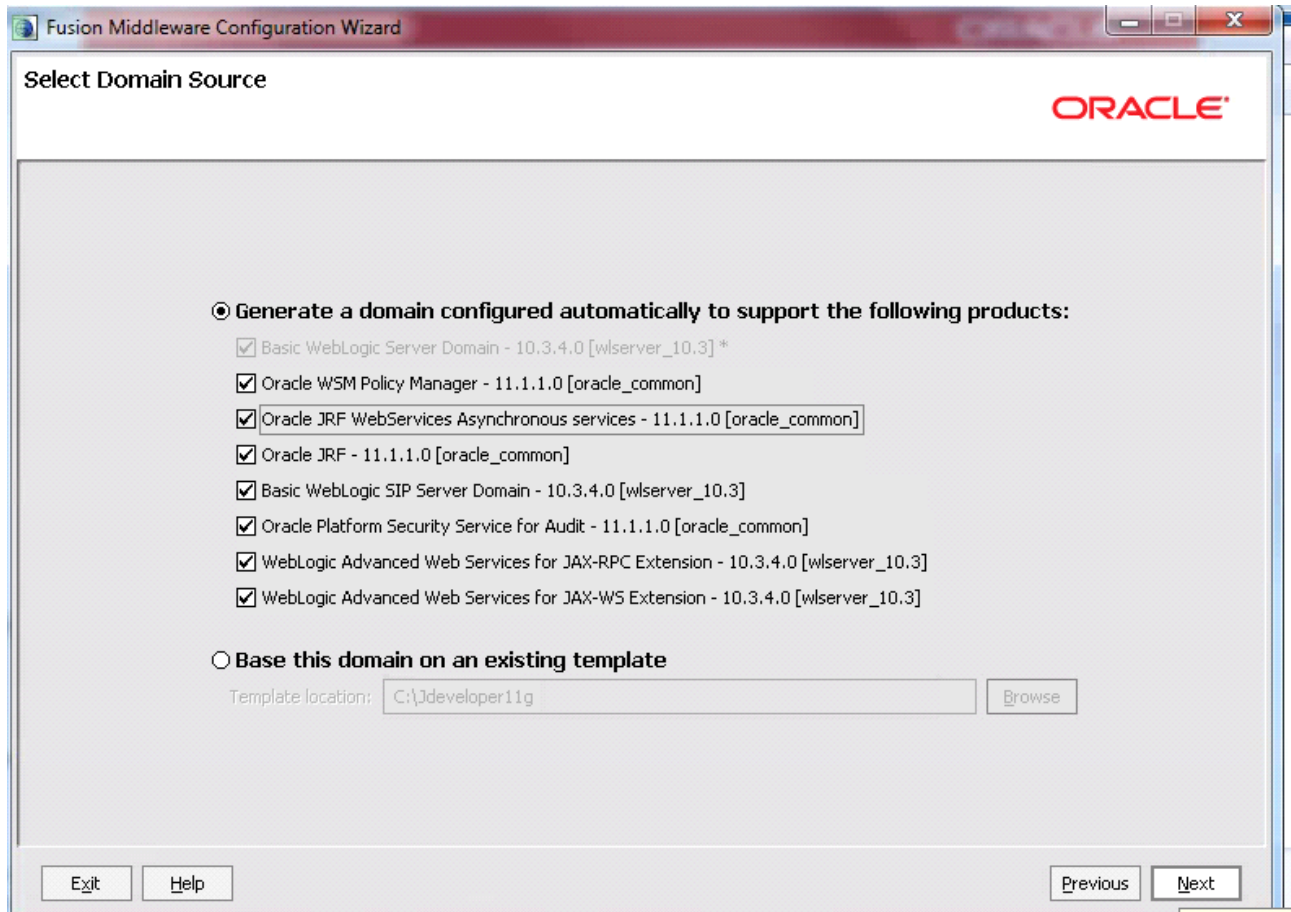
9)After clicking on Done button weblogic server installation will start. Click on getting started with weblogic server 10.3.5.



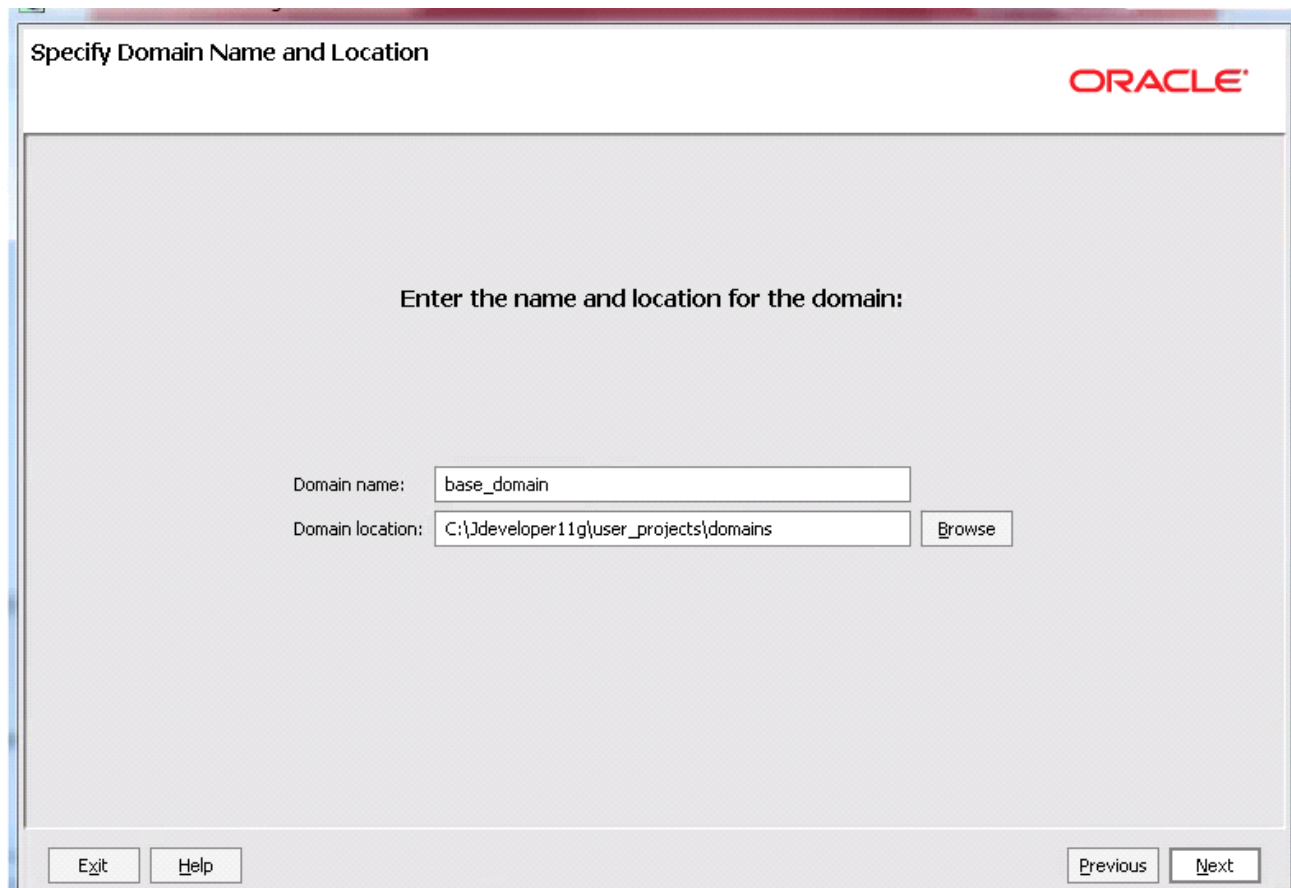
10) Create a new weblogic domain and click on next button. This web logic server domain is nothing but our Integrated web logic server after installation of web logic server we can debug our code or we can run our server in Jdeveloper IDE. This steps is very important.



11) select Generate domain configuration automatically to support the following products: select all the domain configuration or as per your requirements. And click on to the next button.



12) Default Domain will be display you can also give another name. After this step "user project" folder will be created where we have installed jdeveloper in c drive (This user project will contains the information about weblogic server. If user project will not created under jdeveloper folder structure(C:\jdeveloper11g\user_project\domain) then you will not able to start you server in jdeveloper ide, and then you have to again reinstall jdeveloper.) Click on next button.



The image shows a Java Swing dialog box titled "Specify Domain Name and Location" with the Oracle logo in the top right corner. The dialog has a light gray background and a white title bar. Inside, the text "Enter the name and location for the domain:" is centered. Below this, there are two input fields: "Domain name:" with the text "base_domain" and "Domain location:" with the text "C:\Jdeveloper11g\user_projects\domains". To the right of the "Domain location:" field is a "Browse" button. At the bottom of the dialog, there are four buttons: "Exit", "Help", "Previous", and "Next".

Specify Domain Name and Location

ORACLE

Enter the name and location for the domain:

Domain name: base_domain


Domain location: C:\Jdeveloper11g\user_projects\domains Browse

Exit Help Previous Next

13)Set the Name user password for the weblogic server(To start the server in jdeveloper we need this username and pasword. And Click on next button.

Configure Administrator User Name and Password

ORACLE

 Discard Changes

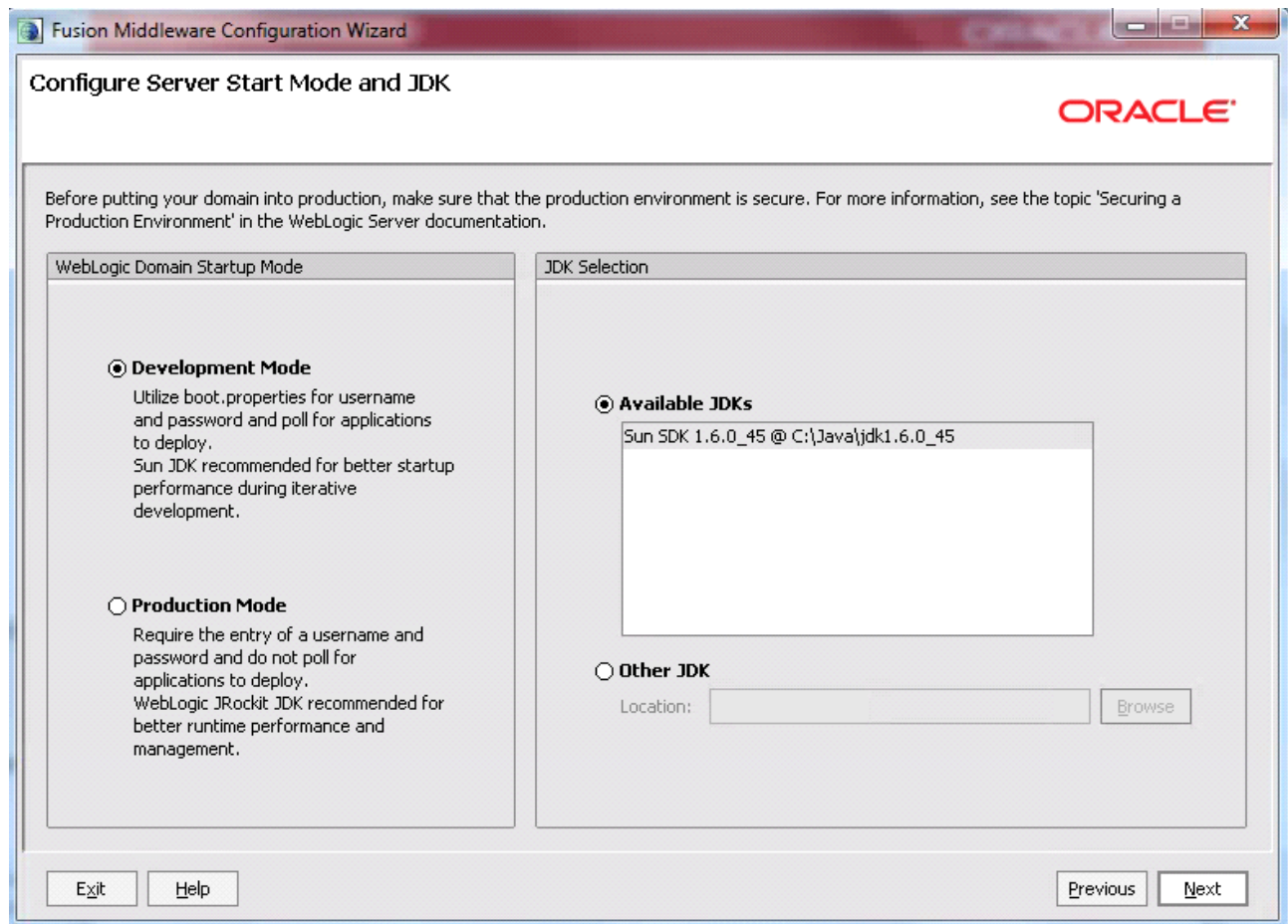
*Name:

*User password:

*Confirm user password:

Description:

14)select jdk1.6 if jdk1.6 is not present the also you can chose "other jdk" and brows the path where you have installed jdk and then click on Next button.



15) Configuration JDBC component schema.

At this point the application will fail to connect to the database, because the connection settings are managed on the server. From jdeveloper you can launch the the weblogic console from the Application Server panel. You will have to login with credentials that you chose during the installation. Then go to services > datasources and create a new datasource.

The JDNI name of the datasource should be "jdbc/dbName". Set the connection pool settings to something similar to:

Fusion Middleware Configuration Wizard

Configure JDBC Component Schema

ORACLE

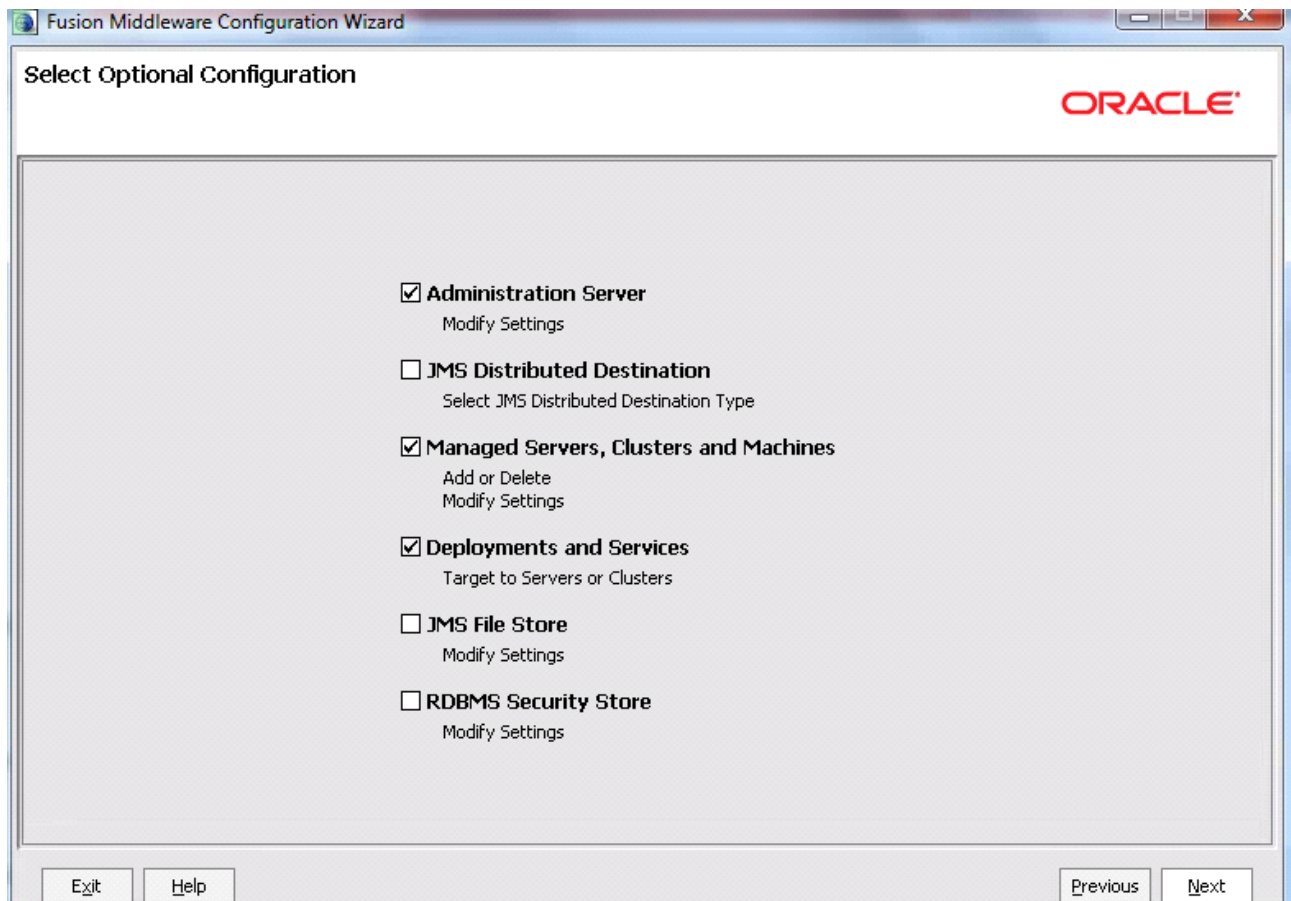
Note: Change only the input fields below that you wish to modify and values will be applied to all selected rows.

Vendor:	Oracle	DBMS/Service:	Varies among component schemas
Driver:	*Oracle's Driver (Thin) for Service connections; Versions:9.0.1 and later	Host Name:	Varies among component schemas
Schema Owner:	Varies among component schemas	Port:	
Schema Password:	****		

☐ Configure selected component schemas as RAC multi data source schemas in the next panel.

16) You can test the database connection by clicking on test connection.

17) Select Admin server, Managed server, Deployment Server or you can choose deployment server as per your requirement where you want to deploy your application and then click on next button.



18) Click on Next button.

Configure the Administration Server

ORACLE

⌛ Discard Changes

*Name:

*Listen address:

Listen port:


SSL listen port:


SSL enabled: ☐


19) Click on next button.


Configure Managed Servers

ORACLE

 Add

 Delete

 Discard Changes

 Switch Display

Name*	Listen address*	Listen port	SSL listen port	SSL enabled
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Exit





Help

Previous





Next

20)Click on next button.

Configure Clusters **ORACLE**

 **Add**  **Delete**  **Discard Changes**  **Switch Display**

Name*	Cluster messaging mode	Multicast address	Multicast port	Cluster address
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21) Click on next button.

Configure Machines

ORACLE

Machine

Unix Machine

Add

Delete

Discard Changes

Name*	Node manager listen address	Node manager listen port
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Exit

Help

Previous

Next

22)Click on next button.

Target Deployments to Clusters or Servers

ORACLE

Select clusters or servers in the left pane. Then check applications in the right pane to target them to the selected clusters or servers.

Target

- Server
 - AdminServer

AdminServer

Deployments	Target
<input checked="" type="checkbox"/> Application	
<input checked="" type="checkbox"/> FMW Welcome Page Application#11.1.0.0.0	AdminServer
<input checked="" type="checkbox"/> DMS Application#11.1.1.1.0	AdminServer
<input checked="" type="checkbox"/> wsil-wls	AdminServer
<input checked="" type="checkbox"/> wsm-pm	AdminServer
<input checked="" type="checkbox"/> Library	
<input checked="" type="checkbox"/> oracle.bi.adf.model.slib#1.0@11.1.1.2.0	AdminServer
<input checked="" type="checkbox"/> oracle.bi.adf.view.slib#1.0@11.1.1.2.0	AdminServer
<input checked="" type="checkbox"/> oracle.bi.adf.webcenter.slib#1.0@11.1.1.2.0	AdminServer
<input checked="" type="checkbox"/> oracle.wsm.seedpolicies#11.1.1@11.1.1	AdminServer
<input checked="" type="checkbox"/> oracle.jsp.next#11.1.1@11.1.1	AdminServer
<input checked="" type="checkbox"/> oracle.dconfig-infra#11@11.1.1.1.0	AdminServer
<input checked="" type="checkbox"/> orai18n-adf#11@11.1.1.1.0	AdminServer
<input checked="" type="checkbox"/> oracle.adf.dconfigbeans#1.0@11.1.1.2.0	AdminServer
<input checked="" type="checkbox"/> oracle.pwdgen#11.1.1@11.1.1.2.0	AdminServer

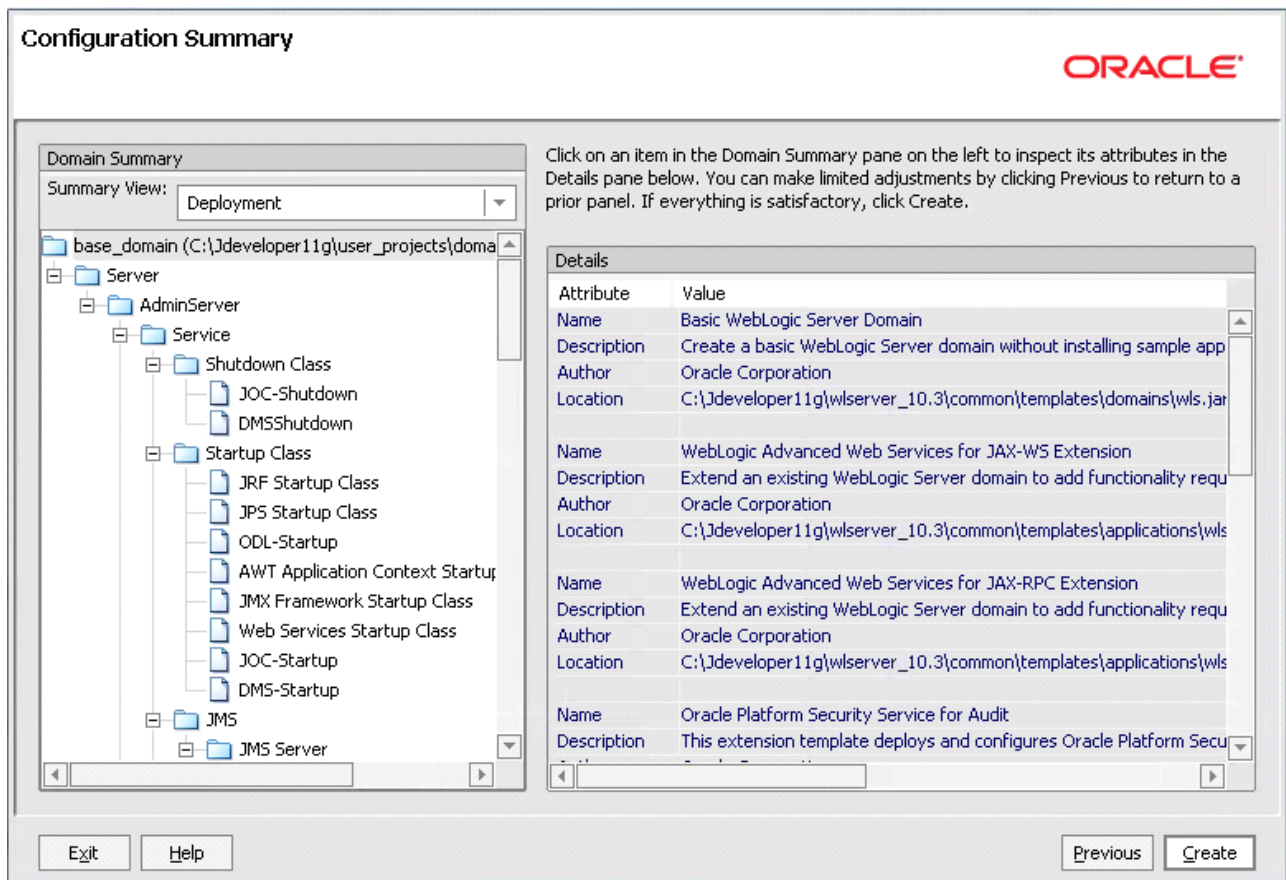
Select All Unselect All Discard Changes

Exit

Help

Previous

Next

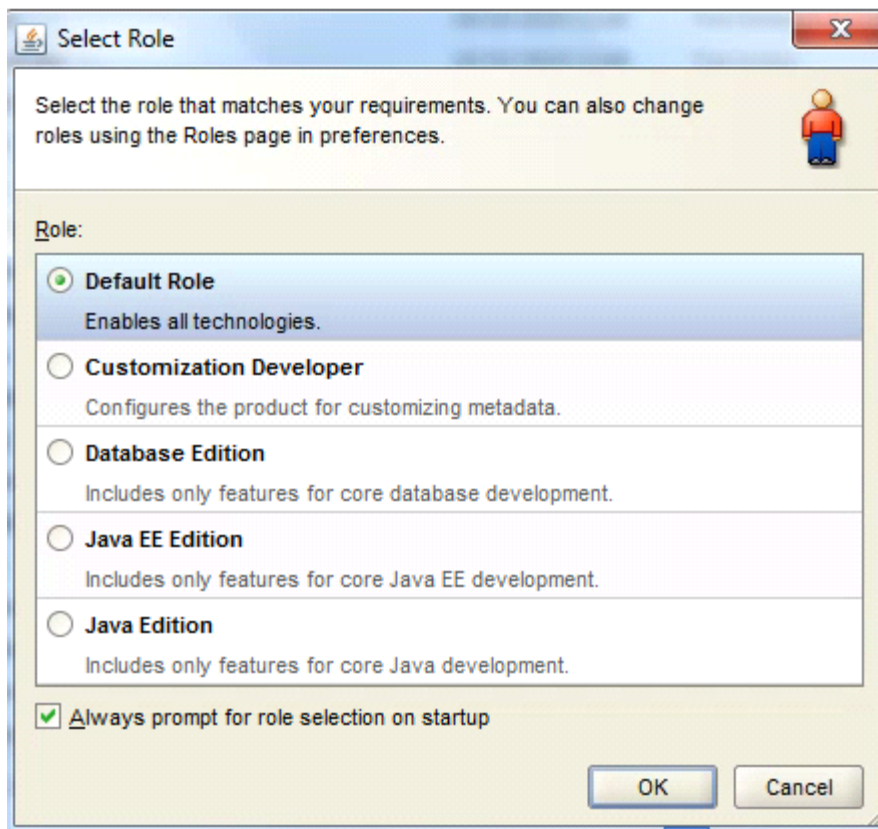


23)click on create button.

25)Now start the Jdeveloper and import the project.

Starting JDeveloper

To start JDeveloper on Linux and UNIX, run the file MW_HOME/jdeveloper/jdev/bin/jdev.



The image shows a 'Select Role' dialog box with a title bar containing a help icon, the text 'Select Role', and a close button. The main area has a light beige background. At the top, there is a text instruction and a small person icon. Below this is a section titled 'Role:' containing a list of five radio button options, each with a description. At the bottom, there is a checked checkbox for 'Always prompt for role selection on startup' and two buttons labeled 'OK' and 'Cancel'.

Select Role

Select the role that matches your requirements. You can also change roles using the Roles page in preferences.

Role:

- ☒ **Default Role**
Enables all technologies.
- ☐ **Customization Developer**
Configures the product for customizing metadata.
- ☐ **Database Edition**
Includes only features for core database development.
- ☐ **Java EE Edition**
Includes only features for core Java EE development.
- ☐ **Java Edition**
Includes only features for core Java development.

☒ **Always prompt for role selection on startup**

OK **Cancel**