Oracle® Agile

Engineering Data Management

Installing Oracle WebLogic 11g Rel 1 (10.3.5) on UNIX for Agile e6.1.2.2

Part No. E28297-01

April 2012

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CONTENTS

Copyright and Trademarks iii
Preface v
Introduction 1
Requirements 3
Hardware and Software 3
Installation Packages 3
Installing Oracle JRockit JVM 5
Installing Oracle WebLogic Server 9
Node Manager Configuration 16

Preface

The Oracle documentation set includes Adobe® Acrobat™ PDF files. The Oracle Technology Network (OTN) Web site (http://www.oracle.com/technology/documentation/agile.html) contains the latest versions of the Oracle Agile EDM PDF files. You can view or download these manuals from the OTN Web site, or you can ask your Agile administrator if there is an Oracle Documentation folder available on your network from which you can access the documentation (PDF) files.

Note To read the PDF files, you must use the free Adobe Acrobat Reader™ version 7.0 or later. This program can be downloaded from the Adobe Web site (http://www.adobe.com).

Note Before calling the Agile Support about a problem with an Oracle Agile EDM manual, please have the full part number ready, which is located on the title page.

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Readme

Any last-minute information about Oracle Agile EDM can be found in the Release Notes file on the Oracle Technology Network (OTN) Web site (http://www.oracle.com/technology/documentation/agile_eseries.html)

Oracle Training Aids

Go to the Oracle University Web page (http://www.oracle.com/education/chooser/selectcountry_new.html) for more information on Agile Training offerings.

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Chapter 1

Introduction

This guide describes how to install Oracle WebLogic 11g 10.3.5 for use with Agile e6.1.2.2 on any of the following operating systems:

- HP-UX
- SUSE SLES Linux
- Sun Solaris
- IBM AIX

For complete information on Oracle WebLogic Server, refer to the *Oracle WebLogic Server Documentation Library* at http://download.oracle.com/docs/cd/E14571_01/wls.htm.

Chapter 2

Requirements

This chapter describes the hardware and software requirements for successful installation of Oracle WebLogic 11g 10.3.5 on Unix for use with Agile e6.1.2.2.

Hardware and Software

Requirement	Minimum Value	
Physical memory (RAM)	Minimum 1 GB Refer to the *Oracle Agile Hardware Sizing Recommendations for Agile e6.1.2.2* guide to determine the required memory specific to your Oracle WebLogic installation.	
Disk space - for software files only	1 GB	
System Architecture	*Operating system*	*Processor*
	HP-UX 11i v3 ▫B.11.31.0803.318a Base Quality Pack Bundle for HP-UX 11i v3, March 2008+	Itanium
	Solaris 10 Update 4+	UltraSPARC III or higher
	SUSE SLES 11 ▫(all SP levels included)	Intel Pentium 4 or higher/compatible
	IBM AIX 6.1	Power PC 6 or higher

Installation Packages

Download and uncompress the Oracle WebLogic 11g Rel 1 (10.3.5) for the relevant platform from the *Oracle Software Delivery Cloud* web site.

The Installation Packages can be found under the product pack *Oracle Agile Applications > Oracle Agile Engineering Data Management (Release e6.1.2.2) Media Pack* for the relevant platform.

- For Linux and Solaris OS: Download and uncompress Oracle WebLogic Server 11gR1 (10.3.5) Generic as well as JRockit JDK R28.1 for Java SE 6 with JRockit Mission Control 4.0.1 for Oracle Solaris on SPARC (64-bit).
- For HP-UX and AIX: Download and uncompress Oracle WebLogic Server 11gR1 (10.3.5) Generic.

Chapter 3

Installing Oracle JRockit JVM

You are required to install Oracle JRockit JVM before starting with the Oracle WebLogic installation for the Solaris and Linux operating system. For the IBM AIX and HP-UX operating systems, Oracle JRockit JVM installation is not required.

To start a generic Oracle WebLogic installer, you require 64-bit Oracle JRockit. You can download it from the Oracle Software Delivery Cloud (https://edelivery.oracle.com/)

JRockit is available only for Solaris and Linux. For HP-UX and AIX, you are required to use 64-bit JRE to start the Oracle WebLogic installer.

Note Ensure that the binary installer file has the requisite privileges to be started. If not, you will get a *Permission denied* error message. Privileges could be set by using the following command (syntax = `chmod 755 <filename>`):

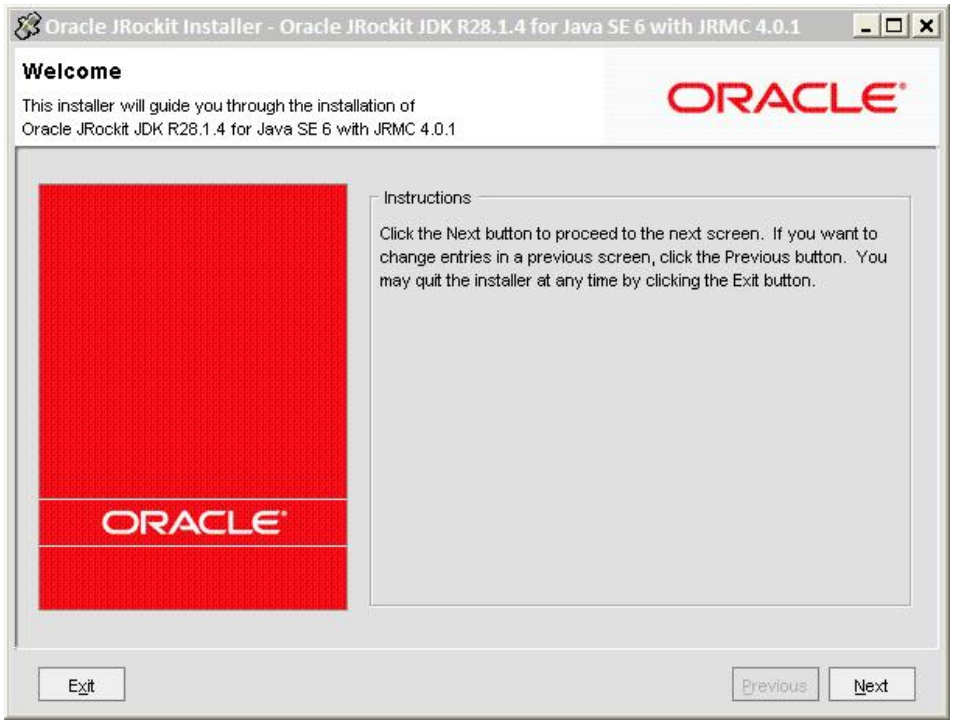
```
chmod 755 jrockit-jdk1.6.0_20-R28.1.0-4.0.1-solaris-sparcv9.bin
./jrockit-jdk1.6.0_20-R28.1.0-4.0.1-solaris-sparcv9.bin
```

To install the Oracle JRockit JVM:

1. Run the Oracle JRockit Installer file corresponding to operating system as follows:

   ./jrockit-jdk1.6.0_26-R28.1.4-4.0.1-<OS name>.bin

   The installation process begins and the installer's *Welcome* screen appears.

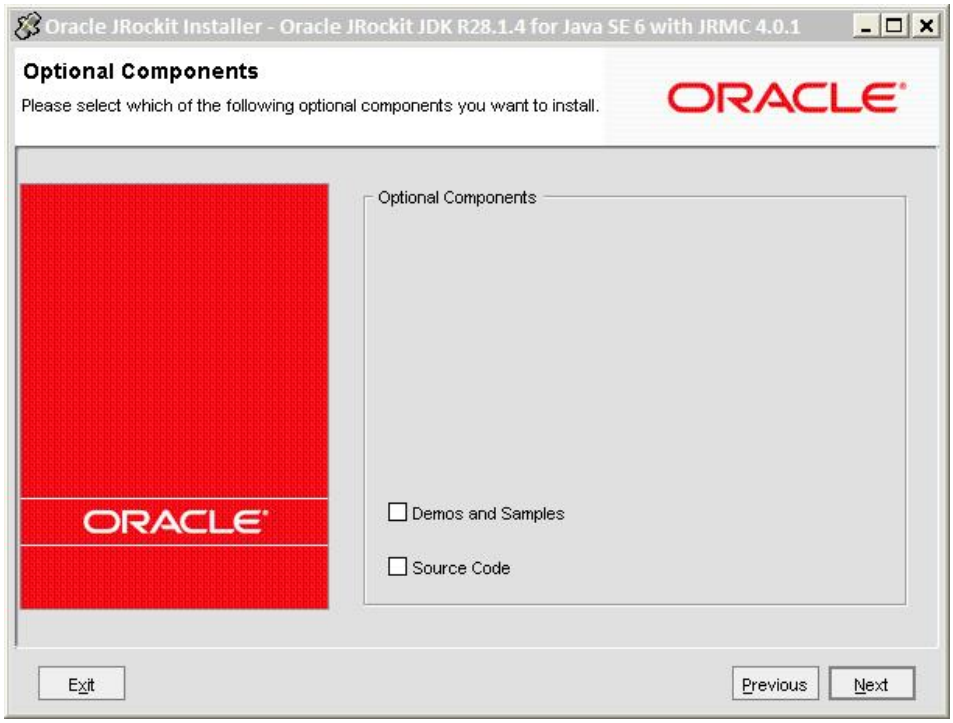


2. Click Next.

   The *Choose Product Installation Directories* screen appears.

3. Specify the directory where you wish to install Oracle JRockit and click Next.

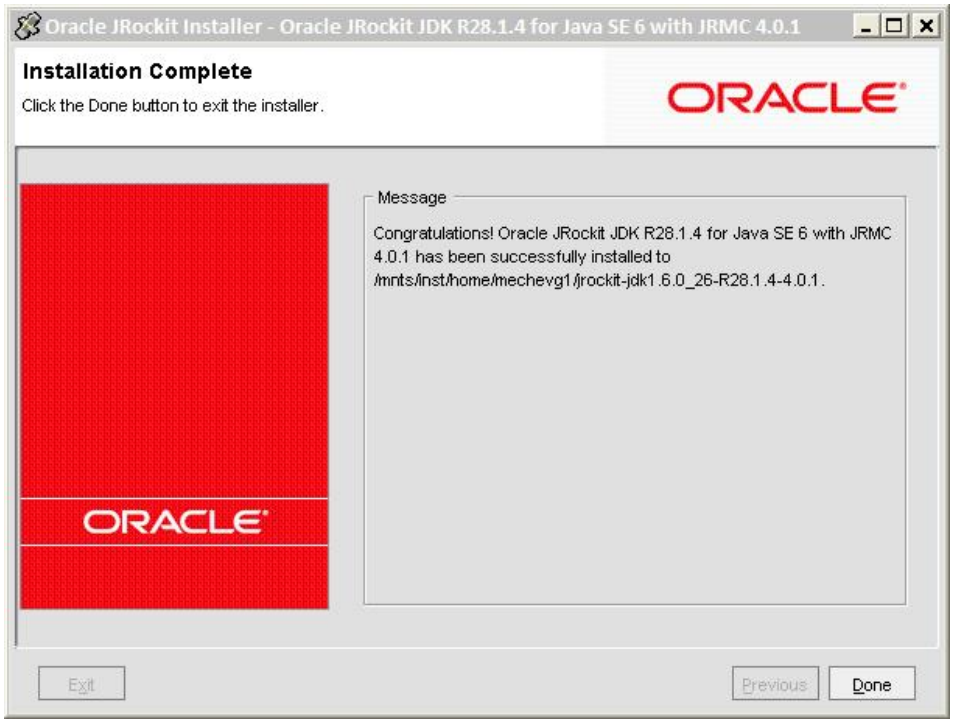
   The *Optional Components* screen appears.



4. Leave the Demos and Samples and Source Code options unchecked and click Next.

   The Oracle JRockit installation process begins.

   After successful completion of the installation, the *Installation Complete* screen appears.



5. Click Done to finish.

Chapter 4

Installing Oracle WebLogic Server

Before you begin with the Oracle WebLogic Server installation, note the following:

- A 64-bit Java must be used to start a generic Oracle WebLogic installer.
- On Solaris and Linux, it is recommended to use the installed Oracle JRockit to start the Oracle WebLogic installer.
- Oracle JRockit Java is not available for HP-UX and IBM.
- For installation on HP-UX, Solaris OS, Linux and AIX, use the generic installer file ending with `.jar` . Before starting the installation, ensure that the bin directory of appropriate JDK, used to run the installer, is at the beginning of the PATH variable. Then run the installer as follows:

  ```
  java -jar wls1035_generic.jar
  ```

- The HP-UX Java must be started with the -d64 option. If the option -d64 is not supplied, the Java executable starts in its default 32-bit mode. There is only one Java executable in HP-UX that starts as a 32-bit Java.

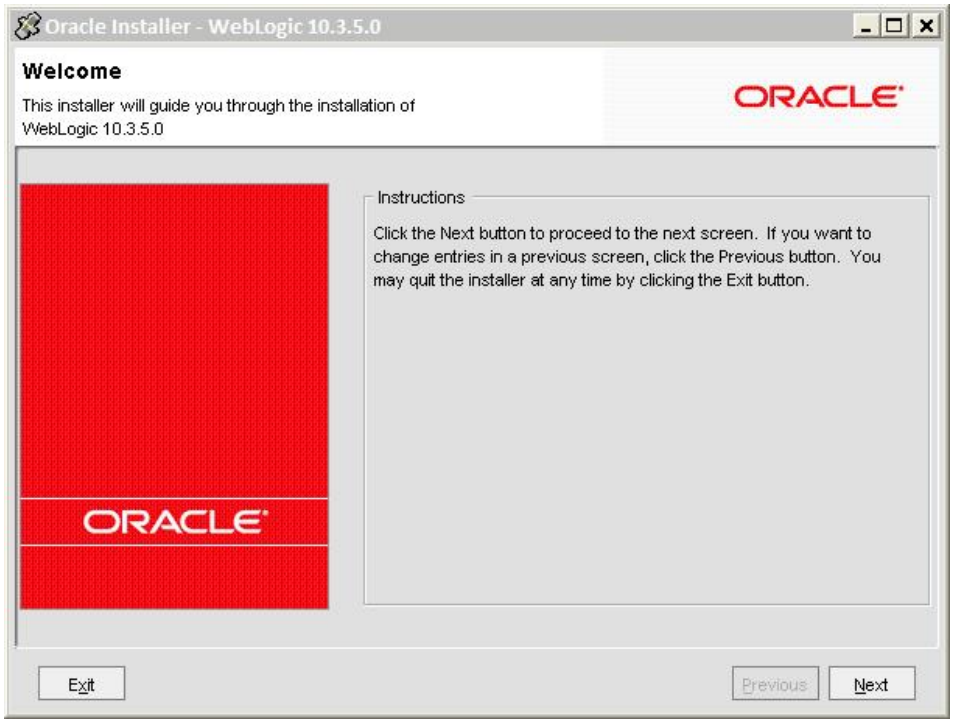
Note Installing the WebLogic server and the Agile e6 server on the same server machine, requires special attention:

If the OS user for the WebLogic installation should be different from the OS user for the Agile e6 native server installation, a component based installation is required. For further information please refer to the chapter – *Component Based Installation* in the *Administration Manual for Agile e6.1.2.2.*

To install the Oracle WebLogic Server:

1. Run the Oracle WebLogic Installer.

   The *Welcome* screen appears.



2. Click Next**.**

   The *Choose Middleware Home Directory* screen appears.

3. Specify the new Middleware Home Directory path and click Next.

The *Register for Security Updates* screen appears.

When you register your installation for the security updates with My Oracle Support, you receive security updates that are specific to your installation immediately.

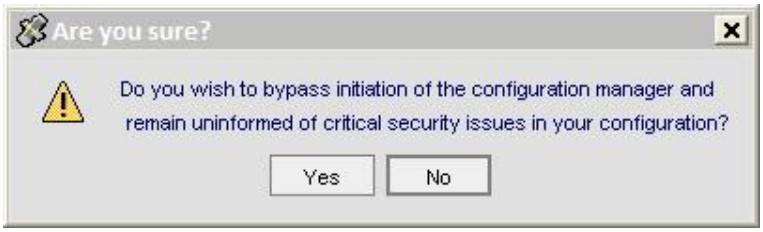
- If you want to register your installation, provide your My Oracle Support Email address and your My Oracle Support Password, and click Next.

  If you do not provide your email address, the system issues a warning message.

  Make an appropriate choice.

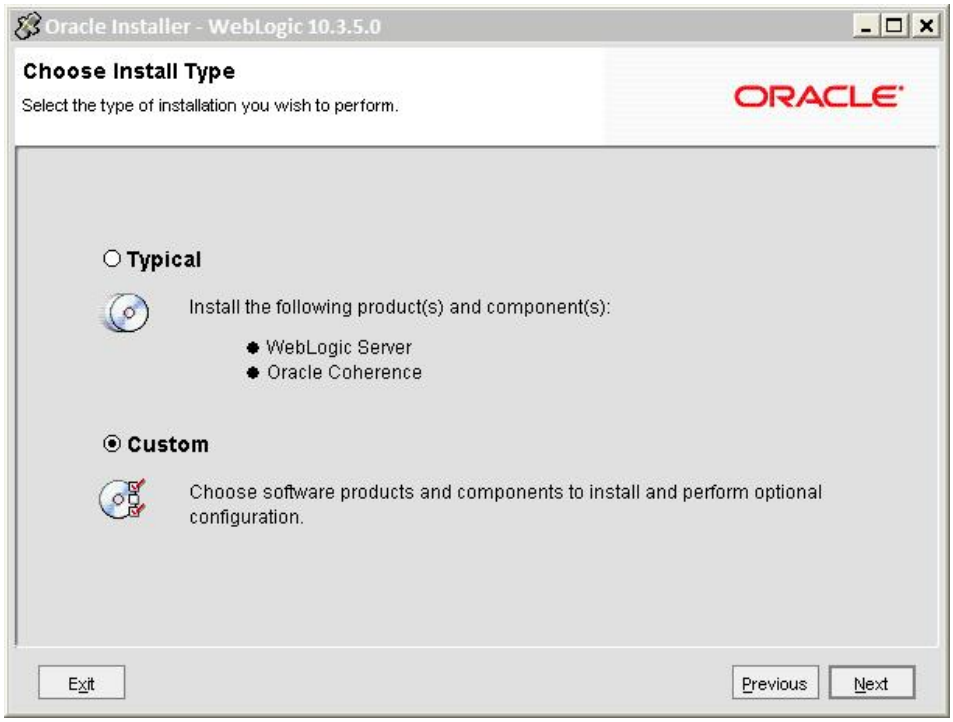
- If you chose not to register, deselect the *I wish to receive security updates via My Oracle Support* check box.

  The *Are You Sure?* warning window pops up.



4. Click Yes to continue.

   The *Choose Install Type* screen appears.



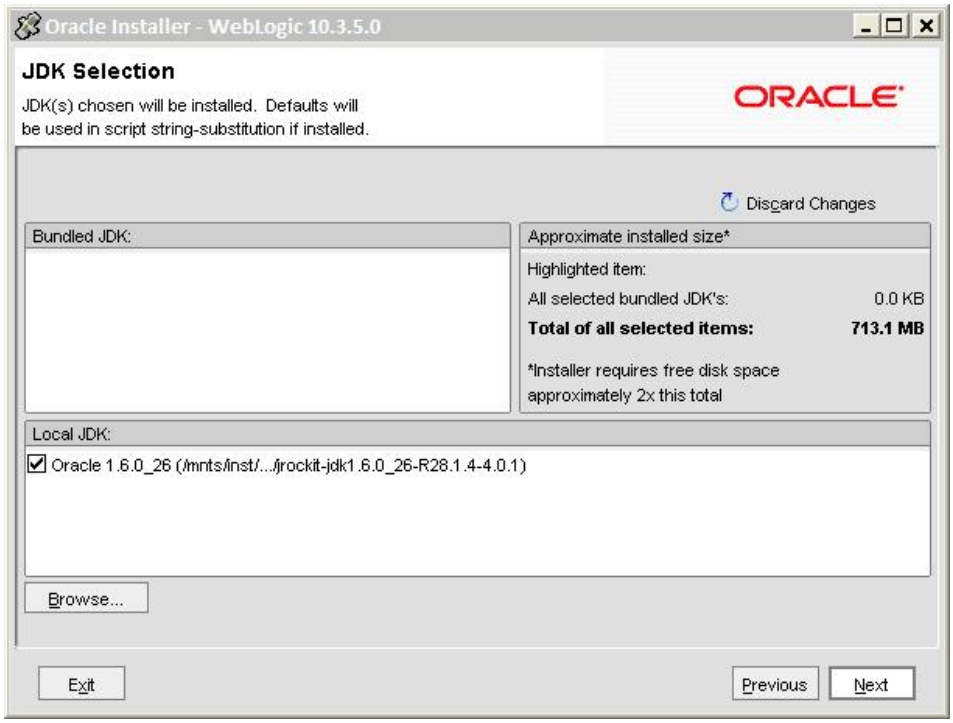
5. Select Custom type of installation and click Next.

   The *Choose Products and Components* screen appears.

6. Please make sure that only those options are selected as shown in the screenshot.

7. Click Next.

   The *JDK Selection* screen appears.



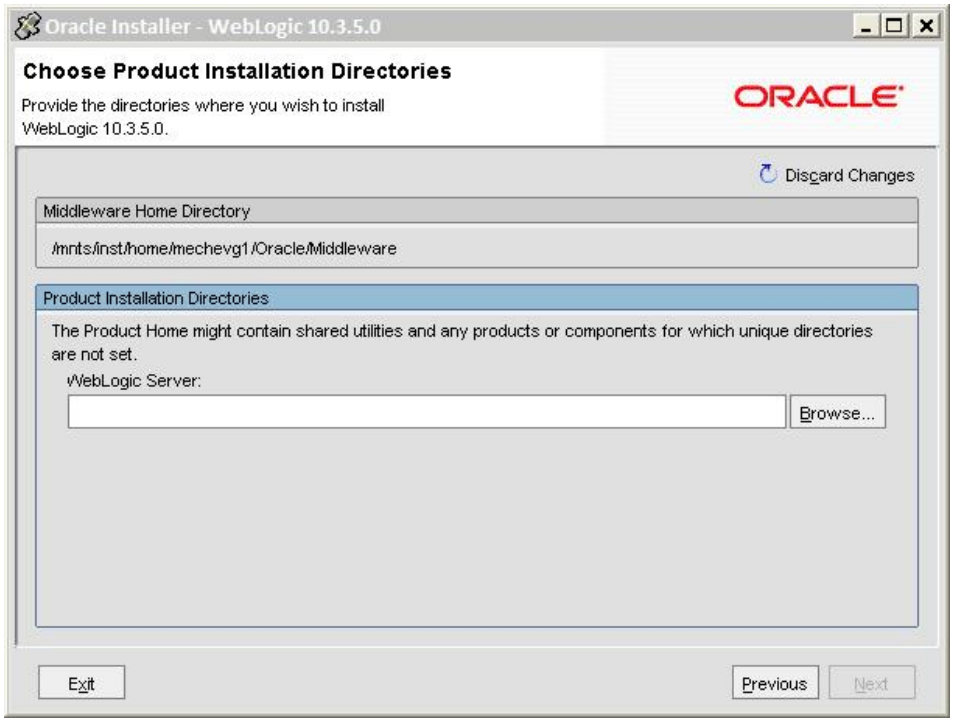
- For Solaris and Linux: If the Oracle WebLogic installer was started with the 64-bit

Oracle JRockit, it will appear under Local JDK section. Make sure that it is selected.

- For HP-UX and AIX: Click Browse and select the available 64-bit JRE (the installation directory). Ensure that it remains selected under Local JDK section.

8. Click Next.

   The *Choose Product Installation Directories* screen appears.



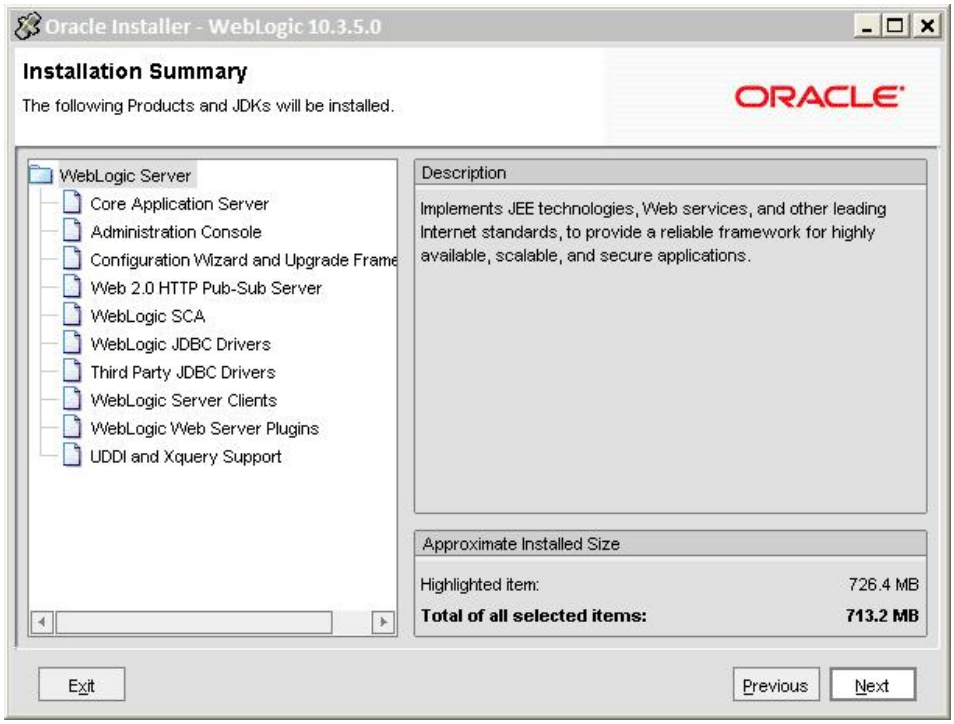
9. Specify the directory where the Oracle WebLogic Server will be installed.

   Usually this is under Middleware Home directory - *MiddlewareHome/wlserver_10.3*.

10. Click Next.

    The *Installation Summary* screen appears.

Note The Approximate Installed Size differs for different platforms.

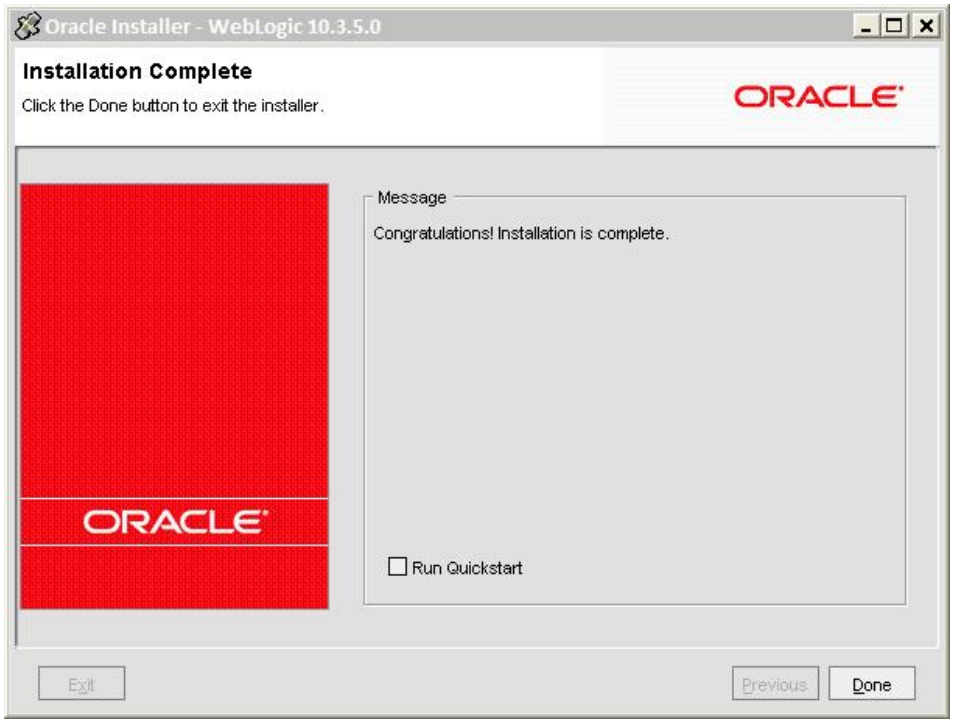


11. Review the options you have chosen and click Next.

    The installation process begins.

12. When the installation completes, click Next.

    The *Installation Complete* screen appears.



13. Uncheck Run Quickstart and click Done.

Node Manager Configuration

After the completion of the installation process of the Oracle WebLogic Server, the Node Manager must be configured.

To start the Node Manager:

1. Execute the following:

```
cd <WL_HOME>/server/bin/
./startNodeManager.sh
```

   After the first startup of the Node Manager, it must be reconfigured. The configuration file will only be available after the first startup.

2. Change the following properties in the file *<WL_HOME>\common\nodemanager\nodemanager.properties*

```
SecureListener=false
ListenAddress=<your hostname>
CrashRecoveryEnabled=true
```

3. After the changes, restart the Node Mmanager service.