Installer Pre-Requisite Setup Guide
Oracle Banking Digital Experience
Patchset Release 22.2.6.0.0

Part No. F72987-01

April 2025

ORACLE

Installer Pre-Requisite Setup Guide

April 2025

Oracle Financial Services Software Limited

Oracle Park

Off Western Express Highway

Goregaon (East)

Mumbai, Maharashtra 400 063

India

Worldwide Inquiries:

Phone: +91 22 6718 3000

Fax:+91 22 6718 3001

www.oracle.com/financialservices/

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Table of Contents

1. Preface 1–1

1.1 Purpose 1–1

1.2 Audience 1–1

1.3 Documentation Accessibility 1–1

1.4 Critical Patches 1–1

1.5 Diversity and Inclusion 1–1

1.6 Conventions 1–1

1.7 Screenshot Disclaimer 1–2

1.8 Acronyms and Abbreviations 1–2

2. Introduction 2-1

2.1 Software List 2-1

2.2 Pre-requisite software installation and OS configuration for OBDX Installer 2-2

2.3 Python 3.11.* installation on Linux Operating System 2-4

3. Installing and Configuring Weblogic Server 14.1.2 3-1

3.1 Installing Stand-alone Weblogic Server 3-1

4. Oracle HTTP Server Installation 4–1

4.1 Installing and Configuring Oracle HTTP Server (OHS) 4–1

4.2 Verifying the Installation 4–17

5. Oracle HTTP Server Webgate Installation and Configuration 5–1

5.1 Configuring Oracle Webgate 5–1

5.2 Verifying the configuration of Oracle HTTP Server 14c WebGate 5–3

5.3 Registering the New Oracle HTTP Server 14c WebGate 5–3

1. Preface

1.1 Purpose

Welcome to the User Guide for Oracle Banking Digital Experience. This guide explains the operations that the user will follow while using the application.

1.2 Audience

This manual is intended for Customers and Partners who setup and use Oracle Banking Digital Experience.

1.3 Documentation Accessibility

For information about Oracle's commitment to accessibility, visit the Oracle Accessibility Program website at http://www.oracle.com/pls/topic/lookup?ctx=acc&id=docacc.

Access to Oracle Support

Oracle customers that have purchased support have access to electronic support through My Oracle Support. For information, visit, http://www.oracle.com/pls/topic/lookup?ctx=acc&id=info or visit http://www.oracle.com/pls/topic/lookup?ctx=acc&id=trs if you are hearing impaired.

1.4 Critical Patches

Oracle advises customers to get all their security vulnerability information from the Oracle Critical Patch Update Advisory, which is available at Critical Patches, Security Alerts and Bulletins. All critical patches should be applied in a timely manner to ensure effective security, as strongly recommended by Oracle Software Security Assurance.

1.5 Diversity and Inclusion

Oracle is fully committed to diversity and inclusion. Oracle respects and values having a diverse workforce that increases thought leadership and innovation. As part of our initiative to build a more inclusive culture that positively impacts our employees, customers, and partners, we are working to remove insensitive terms from our products and documentation. We are also mindful of the necessity to maintain compatibility with our customers' existing technologies and the need to ensure continuity of service as Oracle's offerings and industry standards evolve. Because of these technical constraints, our effort to remove insensitive terms is ongoing and will take time and external cooperation.

1.6 Conventions

The following text conventions are used in this document:

Convention	Meaning

boldface	Boldface type indicates graphical user interface elements associated with an action, or terms defined in text or the glossary.
Italic	Italic type indicates book titles, emphasis, or placeholder variables for which you supply particular values.
monospace	Monospace type indicates commands within a paragraph, URLs, code in examples, text that appears on the screen, or text that you enter.

1.7 Screenshot Disclaimer

The images of screens used in this user manual are for illustrative purpose only, to provide improved understanding of the functionality; actual screens that appear in the application may vary based on selected browser, theme, and mobile devices.

1.8 Acronyms and Abbreviations

The list of the acronyms and abbreviations that you are likely to find in the manual are as follows:

Abbreviation	Description
OBDX	Oracle Banking Digital Experience

2. Introduction

This guide helps you to do the pre-requisite setup required before the execution of OBDX 22.2.0.0.0 Installer.

More details about each task are explained in detail in following sections.

2.1 Software List

Software Name	Version	Mandatory Software
Operating System	ORACLE LINUX 9.4	Y
Oracle Database	19.16.0.0.0	Y
Oracle Java Development Kit	17.0.10	Y
Oracle Weblogic Server	14.1.2.0.0	Y
Any HTTP Server	NA	Y
Oracle Digital Assistant (ODA)	20.05	N***
Python	3.11.*	Y****
Python Package: cx_Oracle	8.3.0	Y*****
Python Package: urwid	2.6.14	Y
Flyway	7.9.2	Y******
Gradle	7.5.1	Y

* Required if OBDX Native Authentication is not used and OAM is managing Authentication

*** Required if OBDX Chat bot Banking Features are used.

**** For python 3 installation refer section **2.3 Pre-requisite software installation and OS configuration for OBDX Installer – Python 3.11.0 for Linux Operating System**

***** In case of python 3 cx_Oracle needs to be re-installed.

****** Required for database files execution

2.2 Pre-requisite software installation and OS configuration for OBDX Installer

Below steps assume Python 3.11.x is installed and available on server. You can verify the Python version by executing the command as shown below:

```
[devops@obdxwls ~]$
[devops@obdxwls ~]$ python3.11 -V
Python 3.11.9
[devops@obdxwls ~]$
```

Note: Below steps require root login on server where OBDX software pre-requisite are performed (i.e. Server which host Oracle Weblogic)

Flyway Installation

Download the flyway version 7.9.2 zip file from flyway site

Unzip the downloaded zip file into the desire path.

Example:

cd /home/obdxuser

tar -xvzf flyway-commandline-7.9.2-linux-x64.tar.gz

FLYWAY_HOME=/home/obdxuser/flyway-7.9.2

(flyway home path will be /home/obdxuser/flyway-7.9.2)

Gradle Installation

Download the gradle zip file from the gradle site

Unzip the downloaded zip file into the desire path

Example:

cd /home/obdxuser

unzip gradle-7.4.2-bin.zip

GRADLE_HOME=/home/obdxuser/gradle-7.4.2

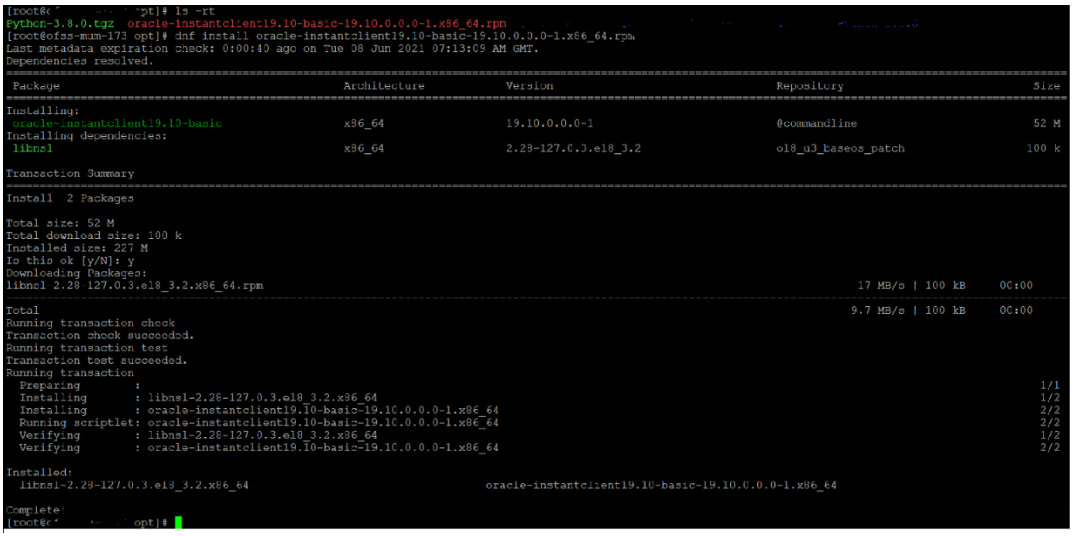
cx_Oracle (Software Installation)

Step 1: Oracle Instant Client

Download oracle-instantclient19.10-basic-19.10.0.0.0-1.x86_64.rpm from site https://yum.oracle.com/repo/OracleLinux/OL7/oracle/instantclient/x86_64/getPackage/oracle-instantclient19.10-basic-19.10.0.0.0-1.x86_64.rpm

Run the below command

dnf install oracle-instantclient19.10-basic-19.10.0.0.0-1.x86_64.rpm



Step 2: Install cx_Oracle

a. Download cx_Oracle from cx_Oracle (or cx-oracle org) website

b. Extract the tar file as shown below

```
[obdxdevops@ofss-mum-1460 OBDXINS_22]$ tar -xvf cx_Oracle-8.3.0.tar.gz
cx_Oracle-8.3.0/
cx_Oracle-8.3.0/LICENSE.txt
cx_Oracle-8.3.0/MANIFEST.in
cx_Oracle-8.3.0/PKG-INFO
cx_Oracle-8.3.0/README.txt
cx_Oracle-8.3.0/cx_Oracle.egg-info/
cx_Oracle-8.3.0/cx_Oracle.egg-info/PKG-INFO
cx_Oracle-8.3.0/cx_Oracle.egg-info/SOURCES.txt
cx_Oracle-8.3.0/cx_Oracle.egg-info/dependency_links.txt
cx_Oracle-8.3.0/cx_Oracle.egg-info/top_level.txt
cx_Oracle-8.3.0/odpi/
cx_Oracle-8.3.0/odpi/embed/
cx_Oracle-8.3.0/odpi/embed/dpi.c
cx_Oracle-8.3.0/odpi/include/
cx_Oracle-8.3.0/odpi/include/dpi.h
cx_Oracle-8.3.0/odpi/src/
cx_Oracle-8.3.0/odpi/src/dpiConn.c
cx_Oracle-8.3.0/odpi/src/dpiContext.c
cx_Oracle-8.3.0/odpi/src/dpiData.c
cx_Oracle-8.3.0/odpi/src/dpiDebug.c
```

c. Browse into the extracted directory and run below command

python3.11 setup.py build_py

```
[devops@obdxwls ~]$
[devops@obdxwls ~]$ python3.11 setup.py build_py
```

d. Execute below command to perform Urwid installation

python3.11 setup.py install

```
[devops@obdxwls ~]$
[devops@obdxwls ~]$
[devops@obdxwls ~]$ python3.11 setup.py install
```

Note :- Or you can install cx_oracle from step mention in 2.3 below step 2

Urwid (Software Installation)

Step 1: Download Urwid from Urwid (or urwid.org) website.

Note: Support version for Urwid is 2.6.14 (urwid-2.6.14.tar.gz)

Step 2: Extract the tar file as shown below

```
[devops@obdxwls ~]$
[devops@obdxwls ~]$ tar -xvf urwid-2.6.14.tar.gz
```

Step 3: Browse into the extracted directory and run below command

python3.11 setup.py build_py

```
[devops@obdxwls ~]$
[devops@obdxwls ~]$ python3.11 setup.py build_py
```

Note: Ensure Python 3.11.* version should be available in PATH variable. Above execution should be done using Python 3.11.*.

Step 4: Execute below command to perform Urwid installation

python3.11 setup.py install

```
[devops@obdxwls ~]$
[devops@obdxwls ~]$ python3.11 setup.py install
```

Note:
Or you can install urwid from step mention in 2.3 below step 2
Ensure Python 3.11.* version should be available in PATH variable. Above execution should be done using Python 3.11.*.

2.3 Python 3.11.* installation on Linux Operating System

Step 1: Execute below commands to install the python 3.11.0

dnf groupinstall 'development tools'

dnf install bzip2-devel expat-devel gdbm-devel ncurses-devel openssl-devel readline-devel wget sqlite-devel tk-devel xz-devel zlib-devel libffi-devel

wget https://www.python.org/ftp/python/3.11.9/Python-3.11.9.tgz

tar -xzvf Python-3.11.9.tgz

cd Python-3.11.9

./configure --enable-optimizations

make altinstall

python3.11 –version

```
>>>
[devops@obdxwls ~]$ python3.11 -V
Python 3.11.9
[devops@obdxwls ~]$
```

Step2: Once above steps are executed successfully install the following required modules.

pip3.8 install cx-Oracle==8.3.0

pip3.8 install urwid== 2.6.14

limits.conf (OS Configuration)

Ensure the nofile resource limit is set 10240 or higher for the user which would execute the OBDX Installer.

3. Installing and Configuring Weblogic Server 14.1.2

This chapter describes the steps for installing the Weblogic Server version 14.1.2.0.0:

- Section 3.1, "Installing Stand-alone Weblogic"

3.1 Installing Stand-alone Weblogic Server

Oracle WebLogic Server is a scalable, enterprise-ready Java Platform, Enterprise Edition (Java EE) application server. The WebLogic Server supports the deployment of many types of distributed applications

This chapter describes the installation tasks which contains the following sections:

- Section 3.1.1, "Pre-requisite - Installing Java 17.0.10"
- Section 3.1.2, "Installing Weblogic Server "
- Section 3.1.3, "Verifying the Installation"

3.1.1 Installing Java 17

- Obtain the Java tarball pack from the Oracle Java Downloads. Download **jdk-17.0.10_linux-x64_bin.tar.gz** file to a directory.
- Change the directory in which you want to install,

  cd <Directory_Path>

- Unpack the tarball and install Java using the following command:

  tar zxvf <Path>/ jdk-17.0.10_linux-x64_bin.tar.gz

Note: You must enter the absolute path of the folder where the TAR file is located.

- Now, set the path and environment variable for Java as:

  export JAVA_HOME=<Java_Install_Path>/jdk-17.0.10

  export PATH=$JAVA_HOME/bin:$PATH

3.1.2 Installing Weblogic

- Obtain Weblogic Server 14.1.2.0.0 zip from the Oracle Downloads. Extract the downloaded zip to get ***fmw_14.1.2.0.0_wls.jar*** file to a directory.
- Now to start the installer, go to the directory where you have extracted the jar file.
- Start the installer from the same directory using the below command:

  java –jar <Path>/ fmw_14.1.2.0.0_wls.jar

Note: You must enter the absolute path of the folder where the JAR file is located.

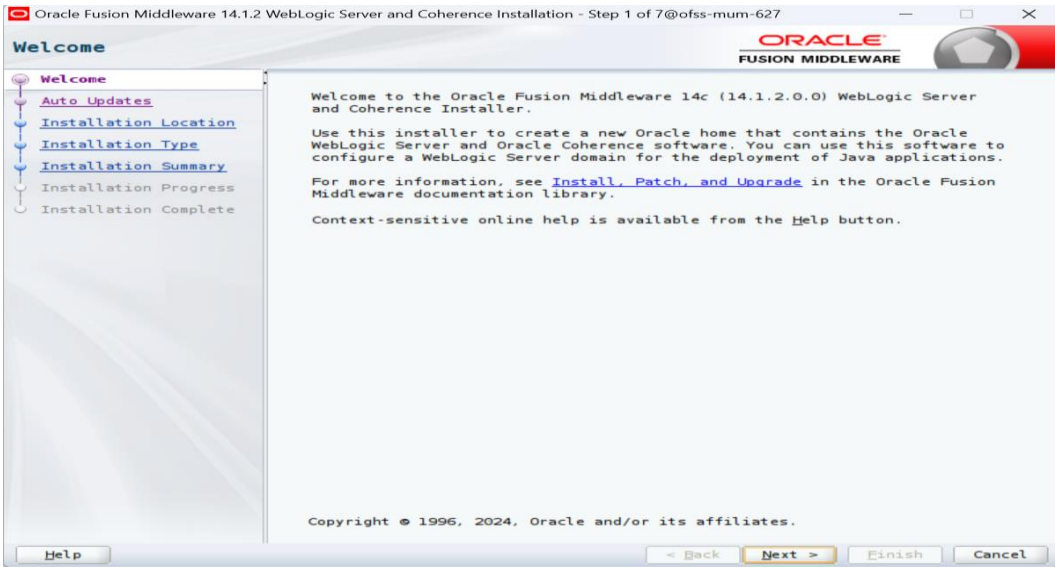
If you are installing on a UNIX system, and if this is the first time any Oracle product is being installed on your system with the Oracle Universal Installer, you are asked to provide the location of an inventory directory. This is where the installer sets up subdirectories and maintains inventory data for each Oracle product that is installed on this system.

Installation Inventory Setup Screen

Specify the Oracle inventory directory and group permissions for that directory. The group must have write permissions to the Oracle inventory directory.

Click **OK** to continue.

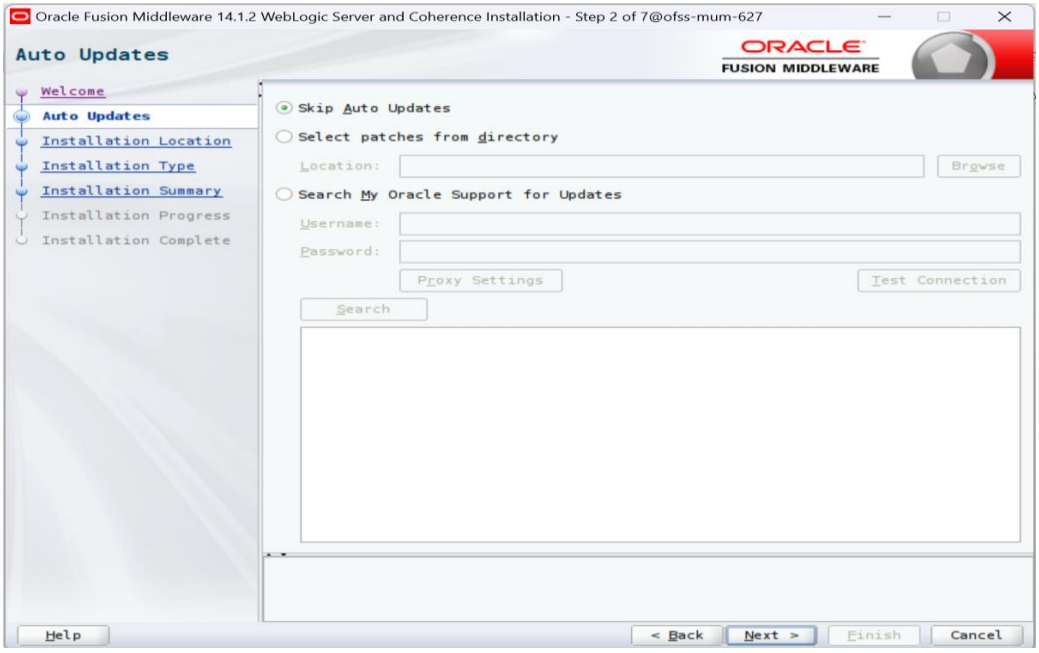
Welcome Screen



The **Welcome** screen is displayed each time you start the installer.

Click **Next** to continue.

Auto Updates Screen



Select "**Skip Auto Updates**" option and click **Next** to continue. (Kindly follow recommended practices regarding updates depending on the setup requirements or usage.)

Specify Installation Location Screen

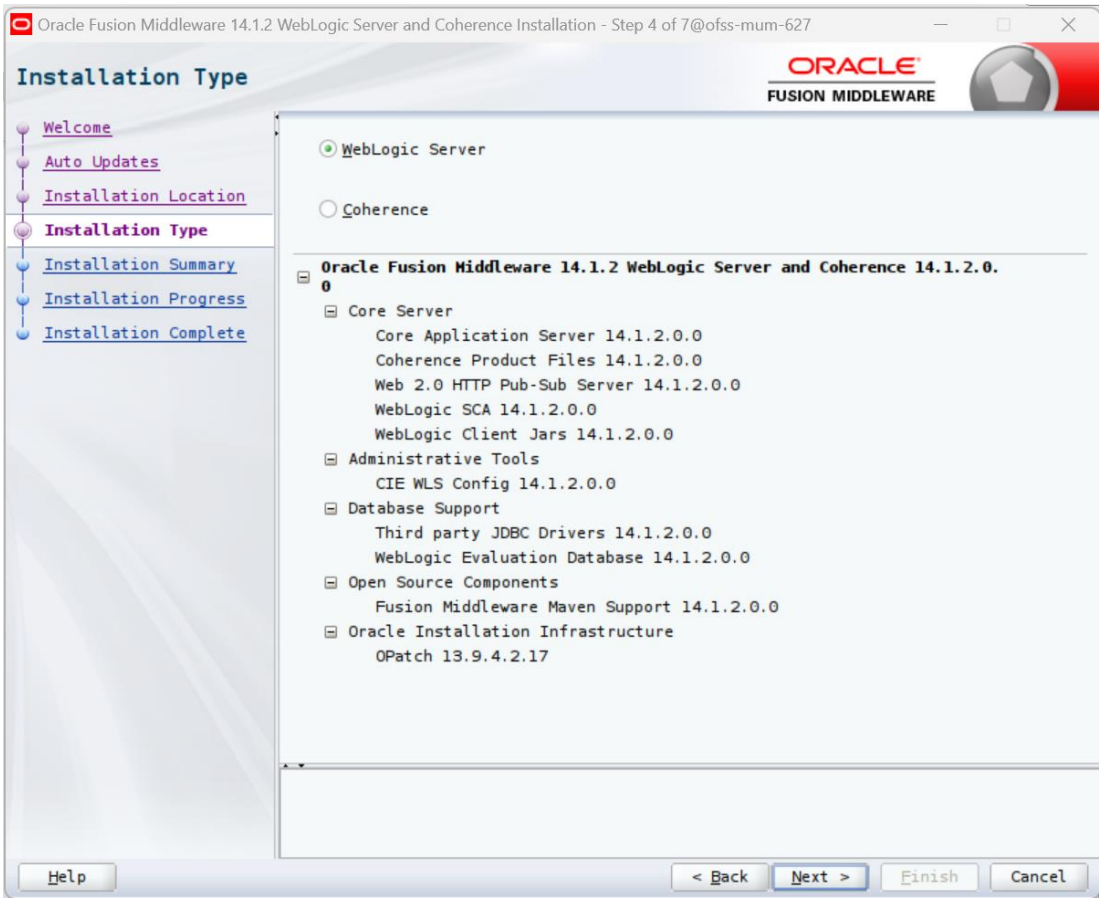
Specify the following installation locations:

- Oracle Middleware Home

This is the absolute path to the directory where the WebLogic Server will be installed.

Click **Next** to continue.

Specify Installation Type Screen

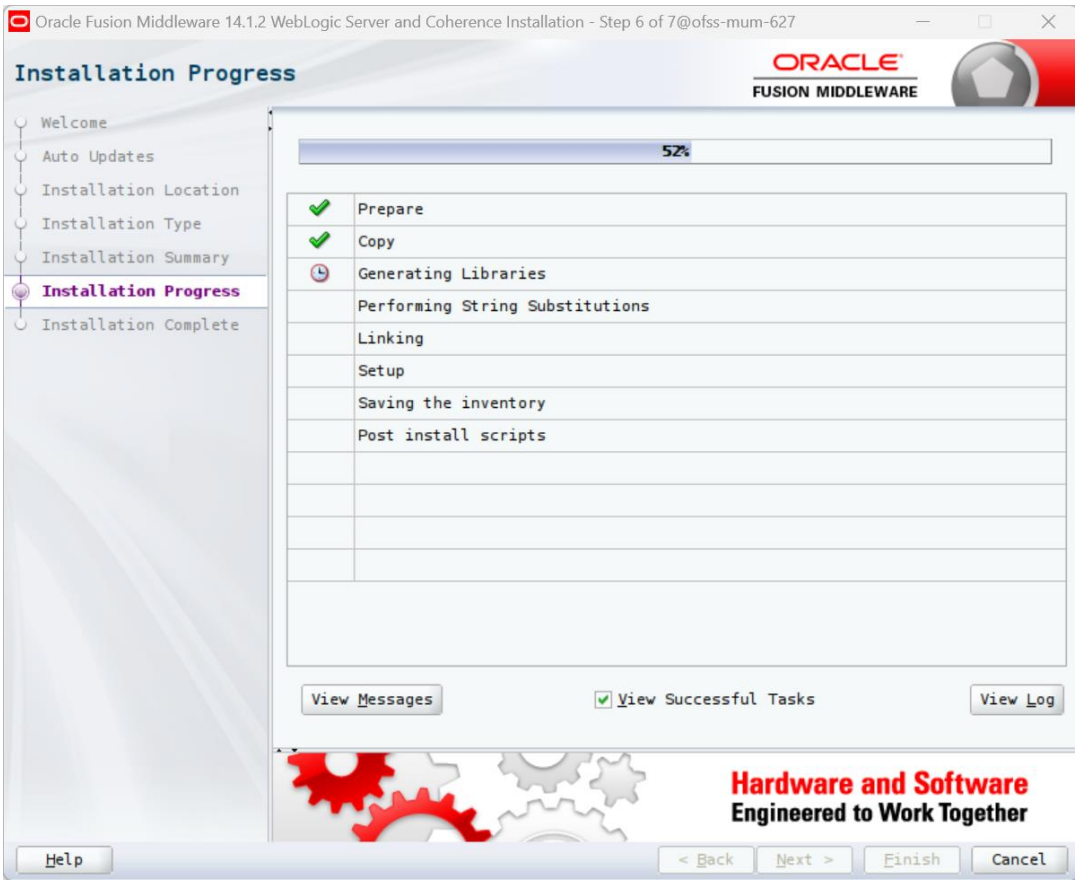


Following are the installation types:

- Weblogic Server
- Coherence
- Complete with Examples

Select Weblogic Server and Click **Next** to continue.

Prerequisite Checks Screen

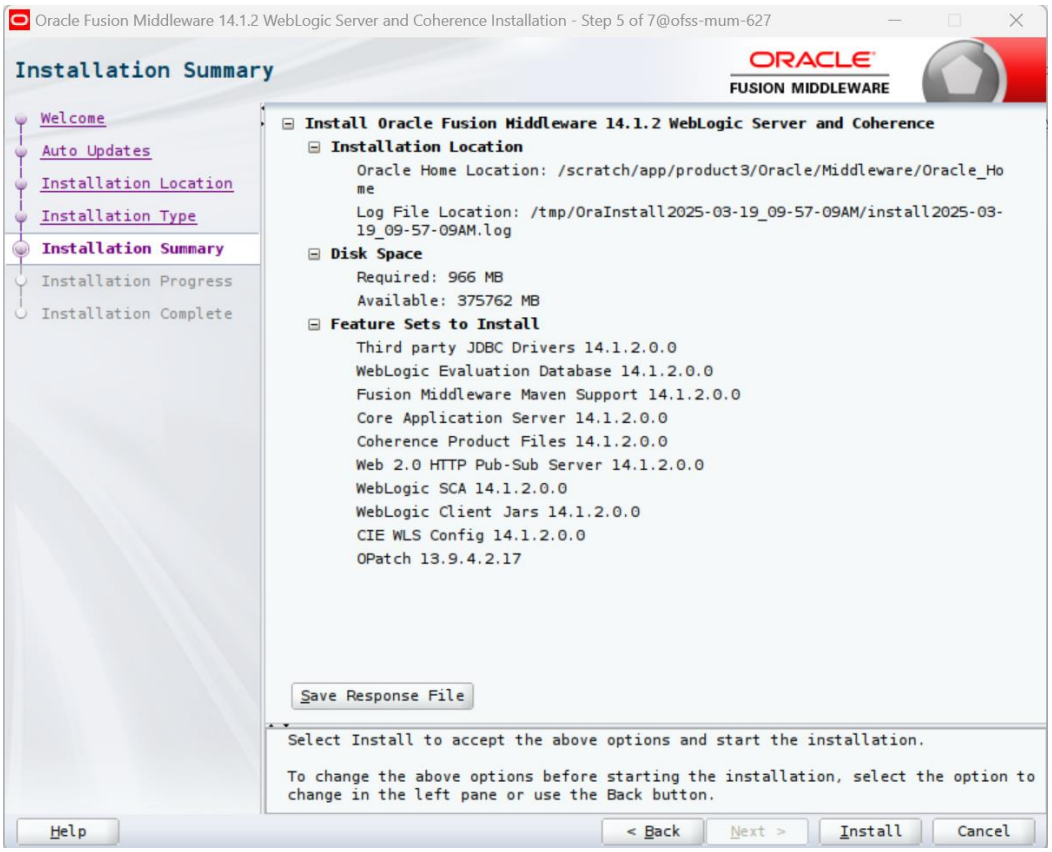


This screen shows whether the system requirements are met in order to install the software.

If there is a problem, a short error message appears in the bottom portion of the screen. Fix the error, and click **Retry** to try again.

Click **Next** to continue.

Installation Summary Screen



Review the information on this screen. The operations summarized on this page will be performed when you click Install.

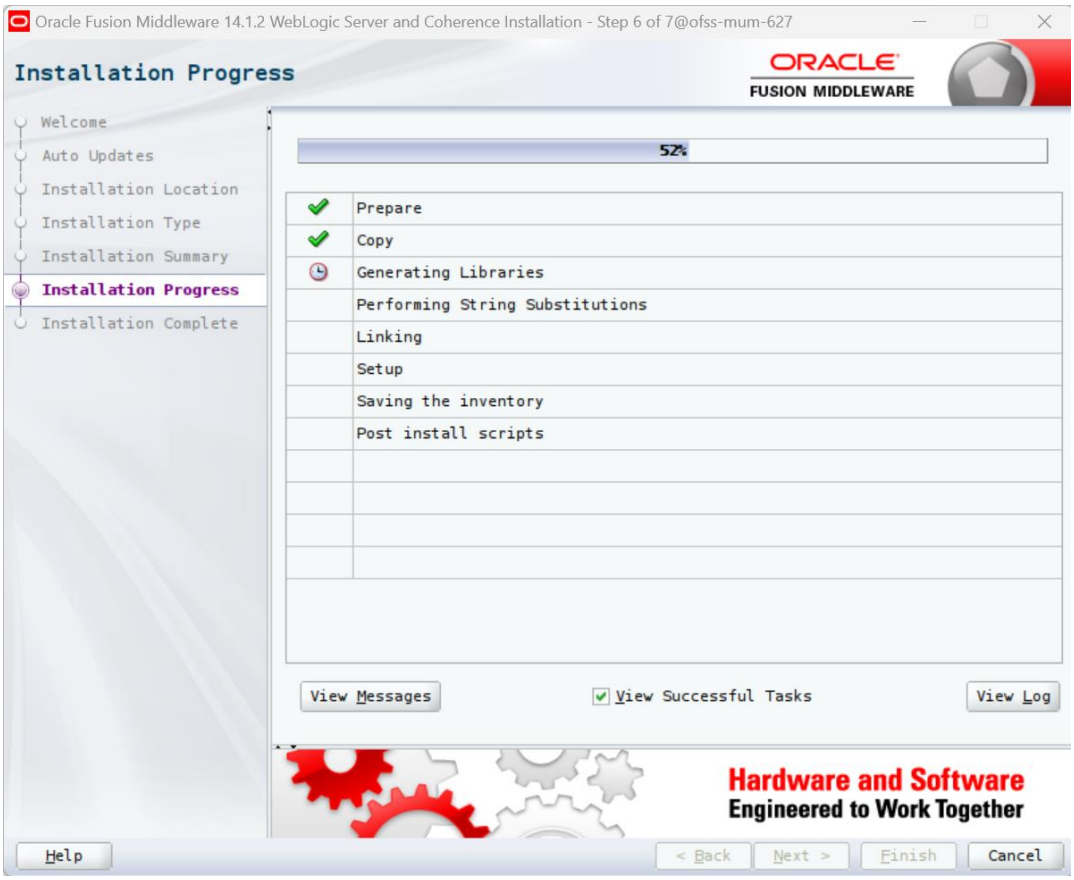
If you want to make any changes to the configuration before starting the installation, use the navigation pane, and select the topic you want to edit.

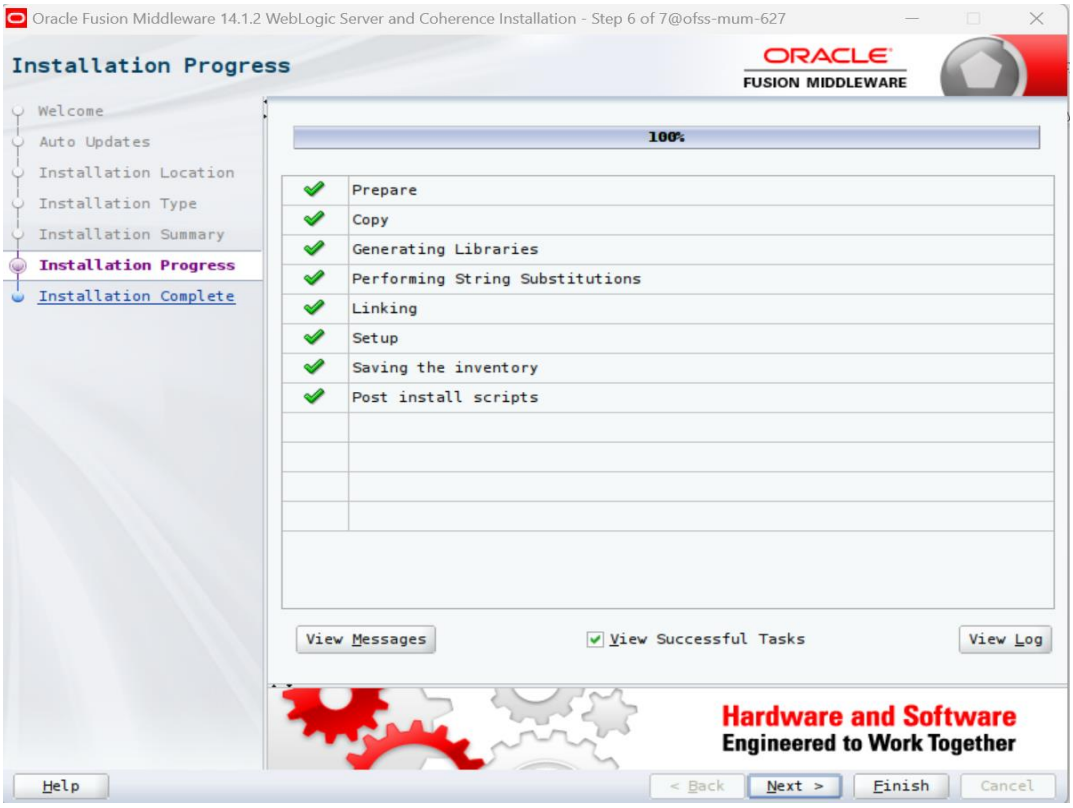
If you want to save this configuration to a text file (called a response file), click Save. You will be prompted for the location of name of the file you want to create (for example, silent_install.rsp). This file can be used later if you choose to perform the same installation from the command line.

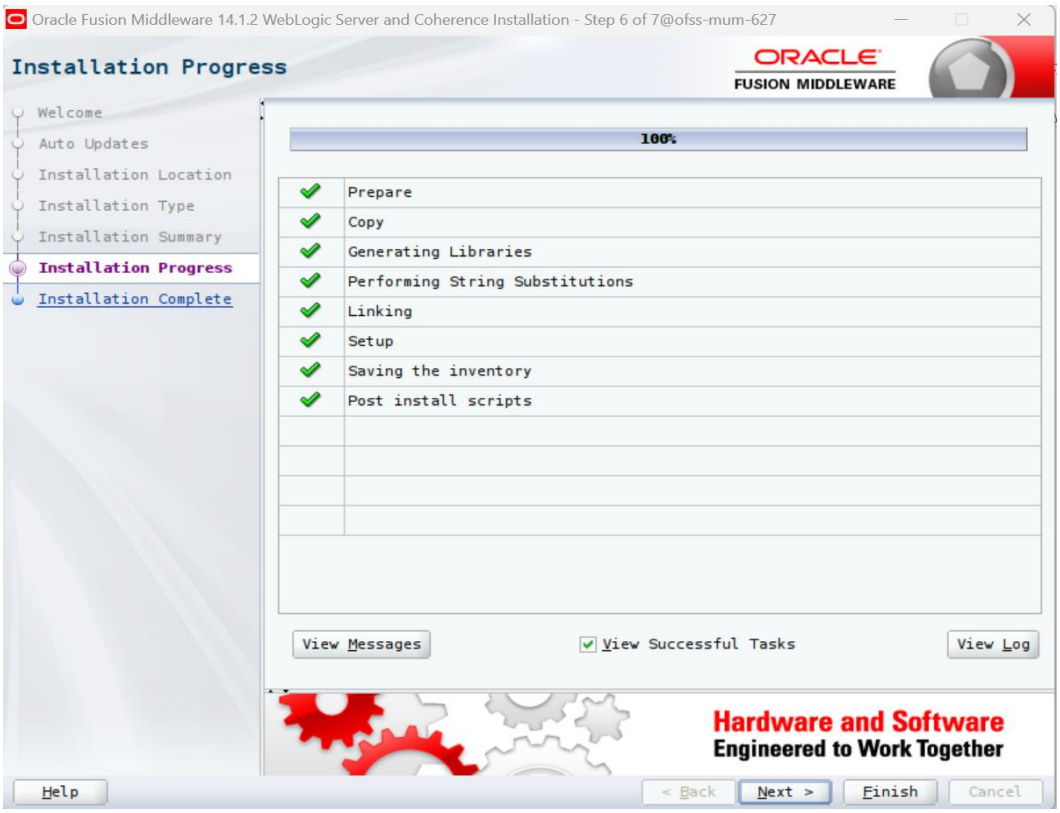
Click **Install**.

Then screen shows the progress of the installation.

Installation Progress Screen







This screen shows the progress of the installation. Click **Next**.

If you want to quit before the installation is completed, click **Cancel**.

Installation Complete Screen

This screen summarizes the installation that was just completed.

At the end of the summary information, there is a section called Installation Location which states the Oracle Home Location & the Log File Location along with the list of features installed.

Click **Finish**.

3.1.3 Verifying the Installation

You can perform the following tasks to verify that your installation was successful:

- Verifying the Installation Logs: Check for the presence of installation log files in logs directory. The location of the file is shown at the end of installation in the Installation Complete Screen.
- Verifying the Installation Directory: Check if Oracle Home directory is exists or not.

4. Oracle HTTP Server Installation

Oracle Webtier is the Web server component for Oracle Fusion Middleware. The Oracle Web Tier installation gives you the option of installing Oracle HTTP Server and Oracle Web Cache. OPMN is installed, by default, and you do not have the option of deselecting this product.

Together, these products are responsible for managing incoming HTTP requests, caching web messages, and sending XML and HTML back to the client. Also, it provides a listener for Oracle WebLogic Server and the framework for hosting static pages, dynamic pages, and applications over the Web. Oracle Web Tier contains the following components:

- **Oracle HTTP Server:**

Oracle HTTP Server (OHS) is an enterprise grade Web Server software - based on open source Apache HTTP Web Server - designed to deliver the following benefits:

  - Deliver HTTP Listener for Oracle WebLogic Server through built-in WebLogic Web Server Proxy Plug-In.
  - Deliver Web Server component for Fusion Middleware.
  - Serve static web content such as HTML, JavaScript, Images etc, and dynamic web content built with CGI/FastCGI based applications.

- **Oracle Web Cache:** Oracle Web Cache is a content-aware server accelerator, or reverse proxy, for the Web tier that improves the performance, scalability, and availability of Web sites that run on Oracle HTTP Server. Oracle Web Cache is the primary caching mechanism provided with Oracle Fusion Middleware. Caching improves the performance, scalability, and availability of websites that run on Oracle WebLogic Server by storing frequently accessed URLs in memory.

There are different Methods to install Webtier. An Oracle Web Tier solution can be built in one of the following ways:

- **In stand-alone mode:** Oracle Web Tier is configured without a domain, and administered from the command line. See Section 1.3.1 for an overview of the installation procedure.
- **Using Oracle Enterprise Manager Fusion Middleware Control:** In order to use the Oracle Enterprise Manager Fusion Middleware Control, WebLogic Server domain needs to be configured using both the Enterprise Manager and the Java Required Files (JRF) domain templates.

Here, we install Oracle Web Tier in stand-alone mode and following are the sections lists the steps for it:

- Section 4.1, "Installing and Configuring Oracle HTTP Server (Webtier)"
- Section 4.2, “Verifying the Installation”

4.1 Installing and Configuring Oracle HTTP Server (OHS)

Obtain Oracle Web Tier from the Oracle Fusion Middleware Downloads. Download webtier.zip file to a directory, and unpack the downloaded archive that contains the installer.

To start the installer, go to the directory where you unpacked the archive file. Now, start the installer using the below command:

./ fmw_14.1.2.0.0_ohs_linux64.bin

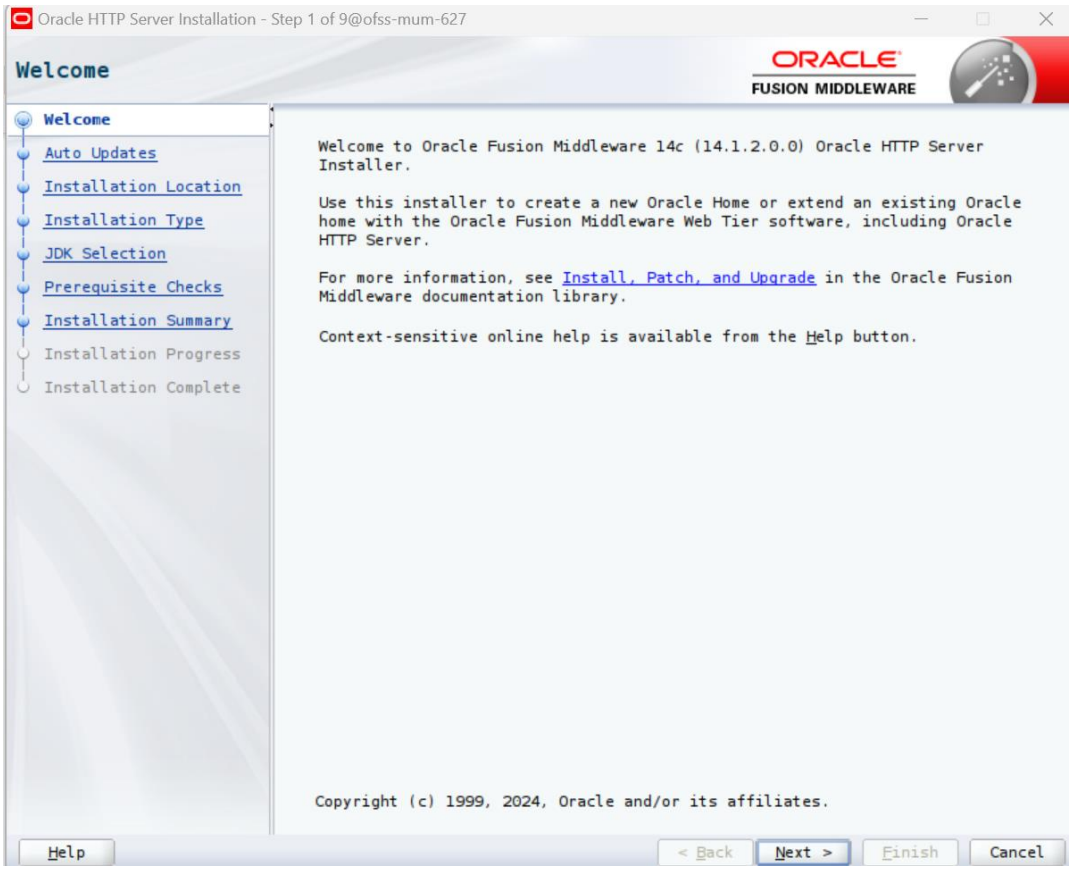
Now, follow the instructions as shown below to install Webtier,

Specify Inventory Directory Screen

This screen appears for UNIX systems only; if this is your first Oracle installation on this host, you must specify the location of the inventory directory. This inventory directory is used by the installer to keep track of all Oracle products installed on the computer. The default inventory location is USER_HOME/oraInventory.

In the Operating System Group name field, select the group whose members you want to grant access to the inventory directory; all members of this group will be able to install products on this system. Click **OK** to continue.

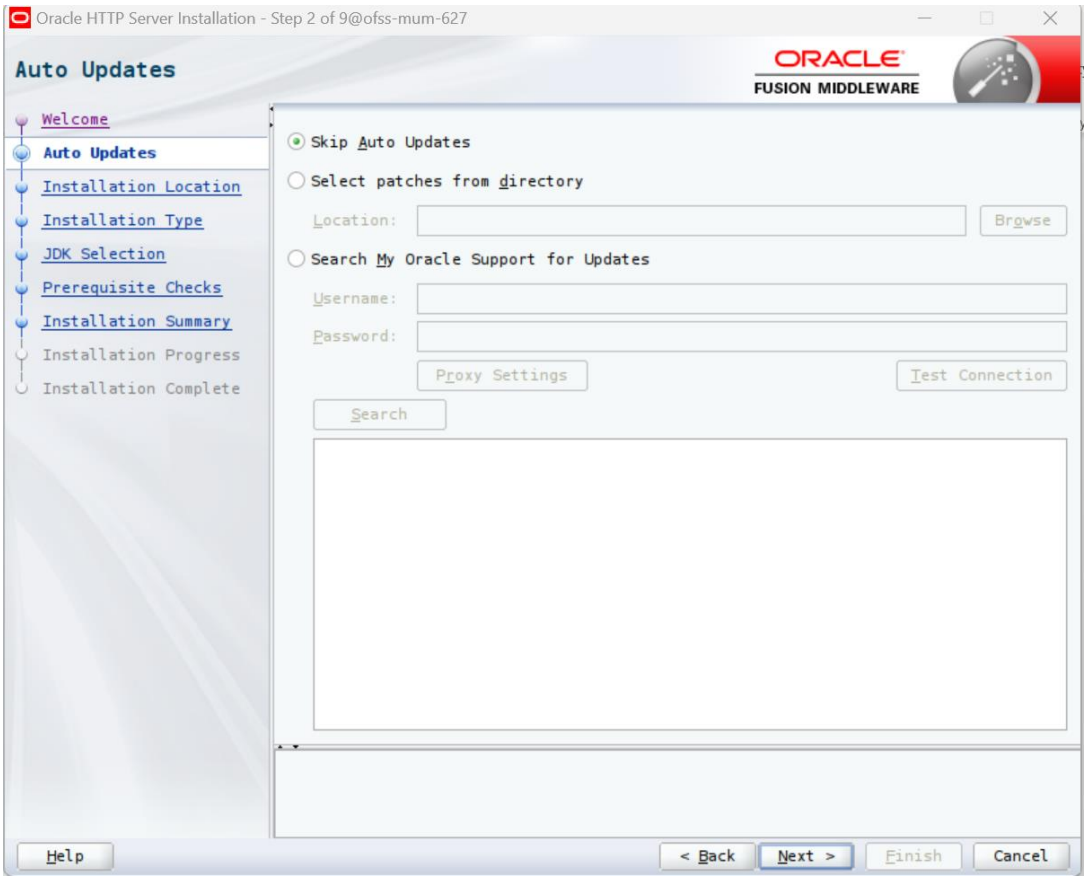
Welcome Screen



The **Welcome** screen is displayed each time you start the installer.

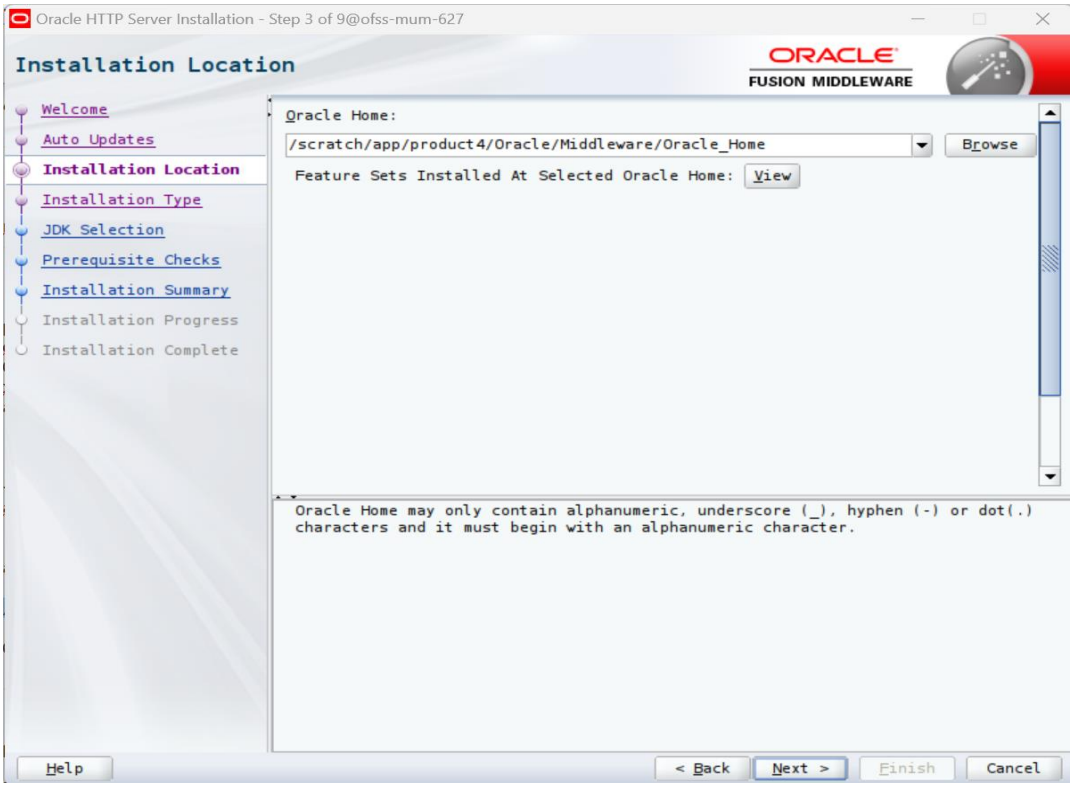
Click **Next** to continue.

Install Software Updates Screen



Select “Skip Software Updates” and Click **Next** to continue. (Kindly follow recommended practices regarding updates depending on the setup requirements or usage.)

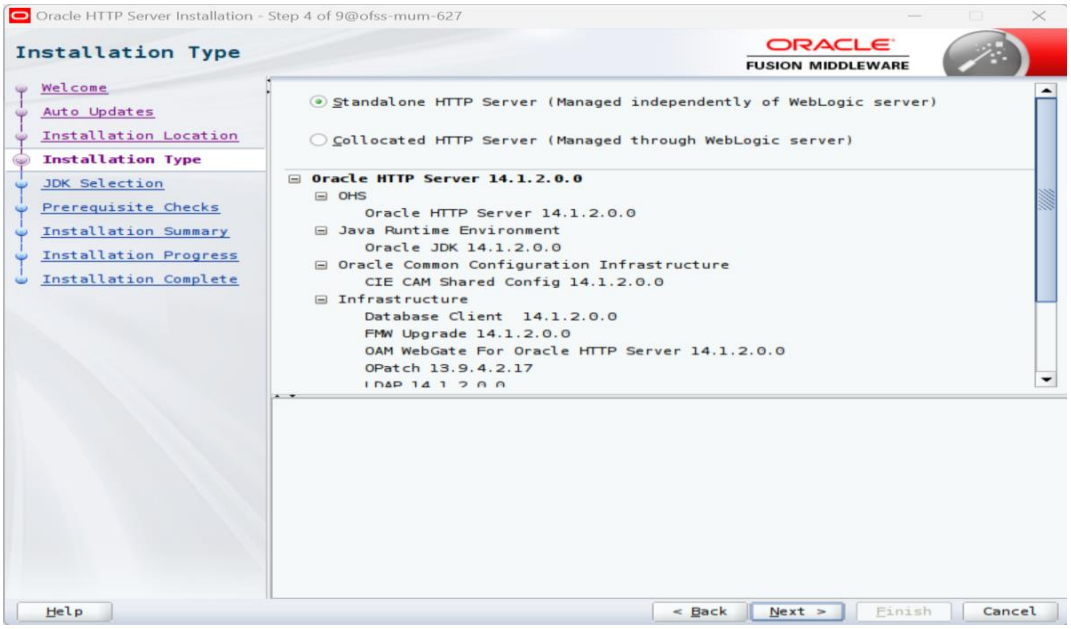
Select Installation Location



Specify the following installation locations:

- Oracle Middleware Home: The absolute path to the directory where Oracle HTTP Server will be installed.

Select Installation Type Screen

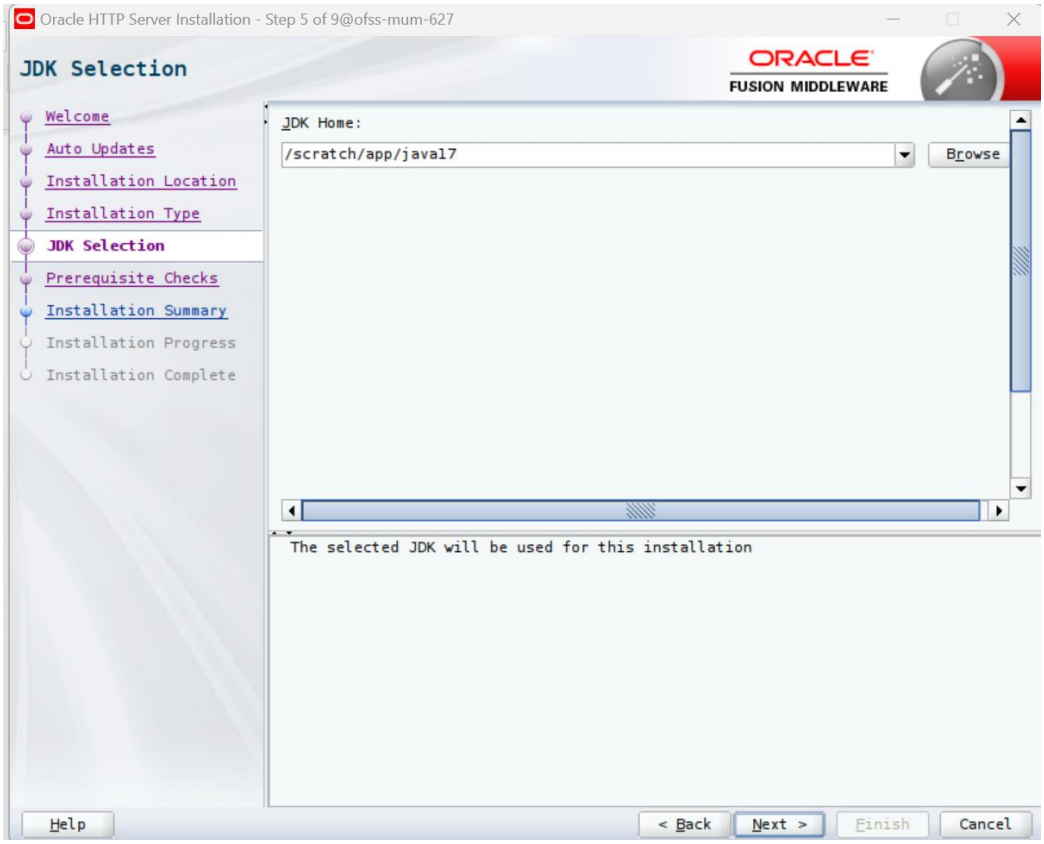


The following are the Installation Types available.

- Standalone HTTP Server (Managed Independently of Weblogic Server)Collocated HTTP Server (Managed through Weblogic server)

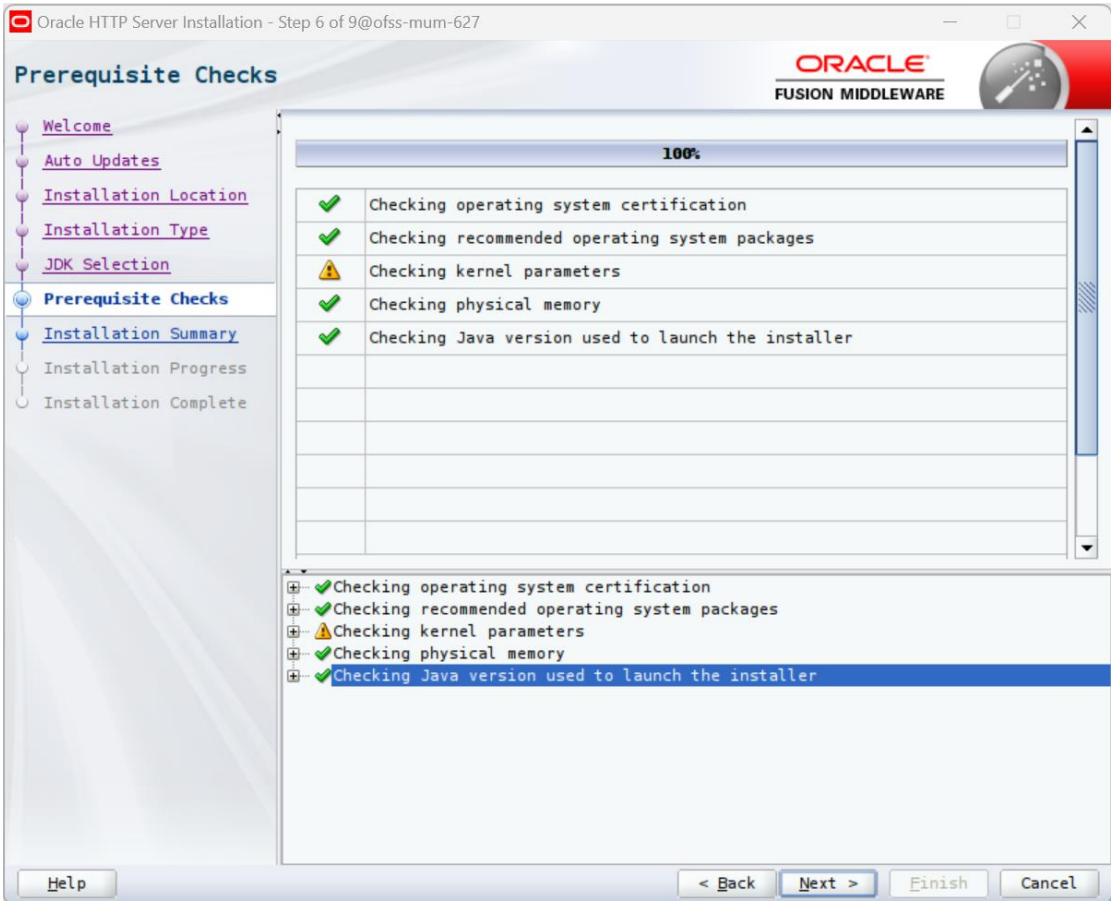
Choose installation type as per requirement. Select Standalone HTTP Server (Managed Independently of Weblogic Server). Click **Next** to continue.

Select JDK home



Click **Next** to continue

Prerequisite Checks Screen

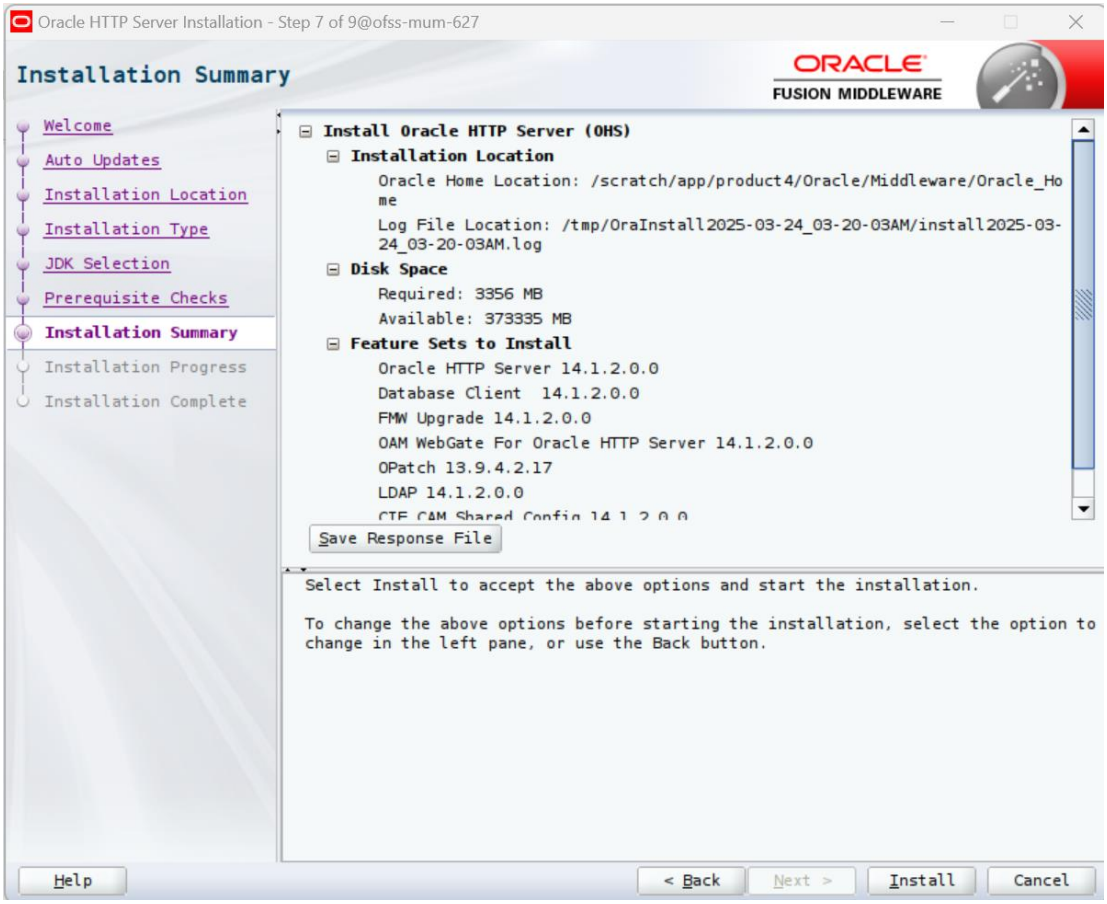


This screen shows whether the system requirements are met in order to install the software.

If there is a problem, a short error message appears in the bottom portion of the screen. Fix the error, and click **Retry** to try again.

Click **Next** to continue.

Installation Summary



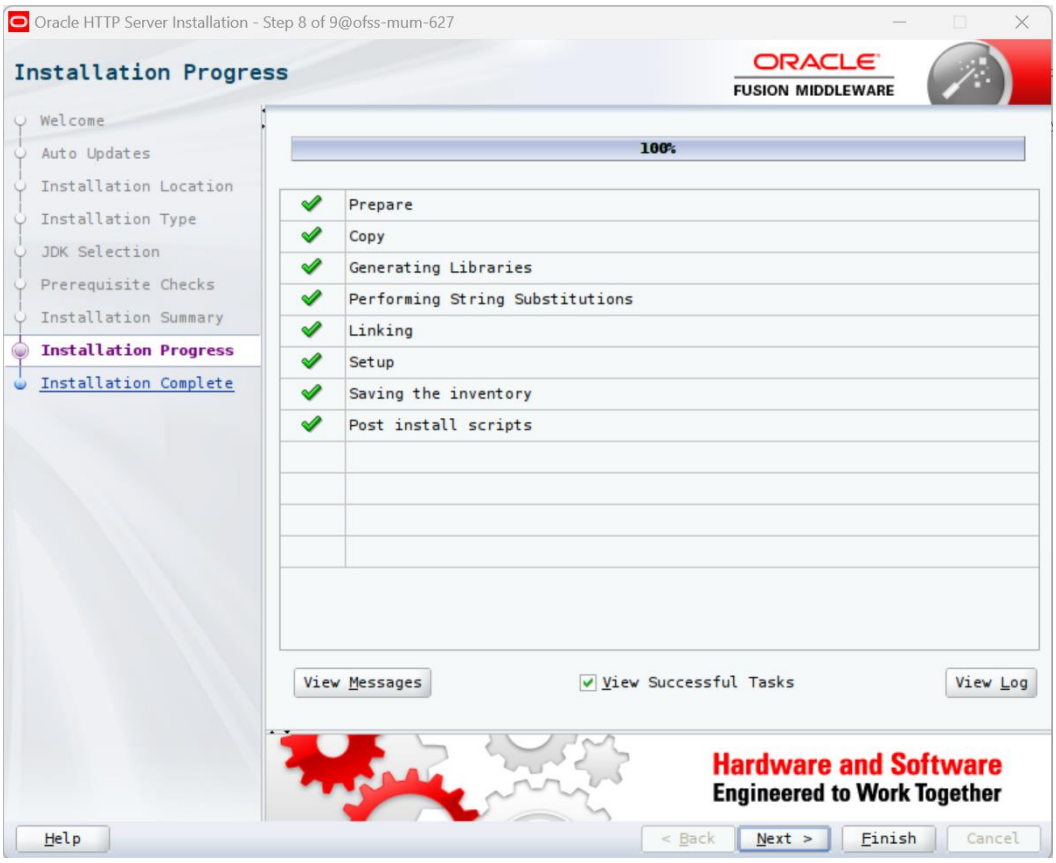
Review the information on this screen. The operations summarized on this page will be performed when you click Install.

If you want to make any changes to the configuration before starting the installation, use the navigation pane, and select the topic you want to edit.

If you want to save this configuration to a text file (called a response file), click Save. You will be prompted for the location of name of the file you want to create (for example, silent_install.rsp). This file can be used later if you choose to perform the same installation from the command line.

Click **Install**.

Installation Progress Screen

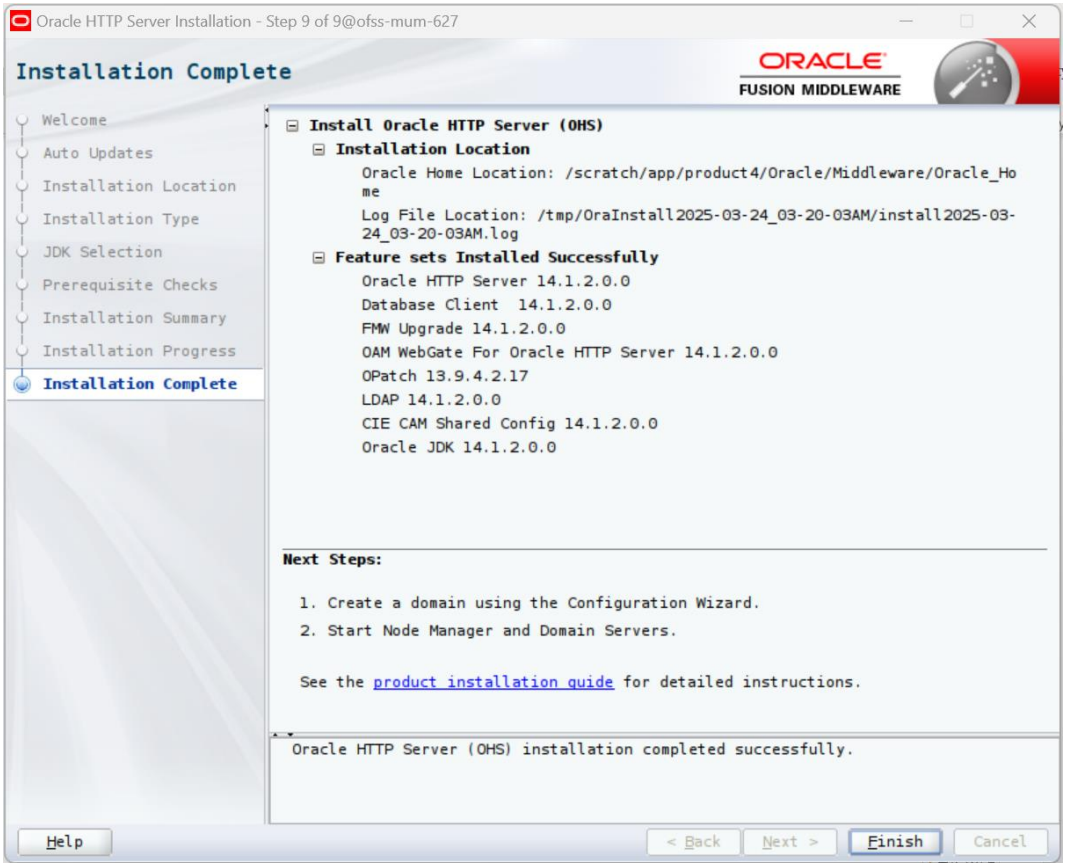


This screen shows the progress of the installation.

If you want to quit before the installation is completed, click Cancel.

Click **Next**.

Installation Complete Screen



This screen summarizes the installation that was just completed.

Click **Finish** to dismiss the screen.

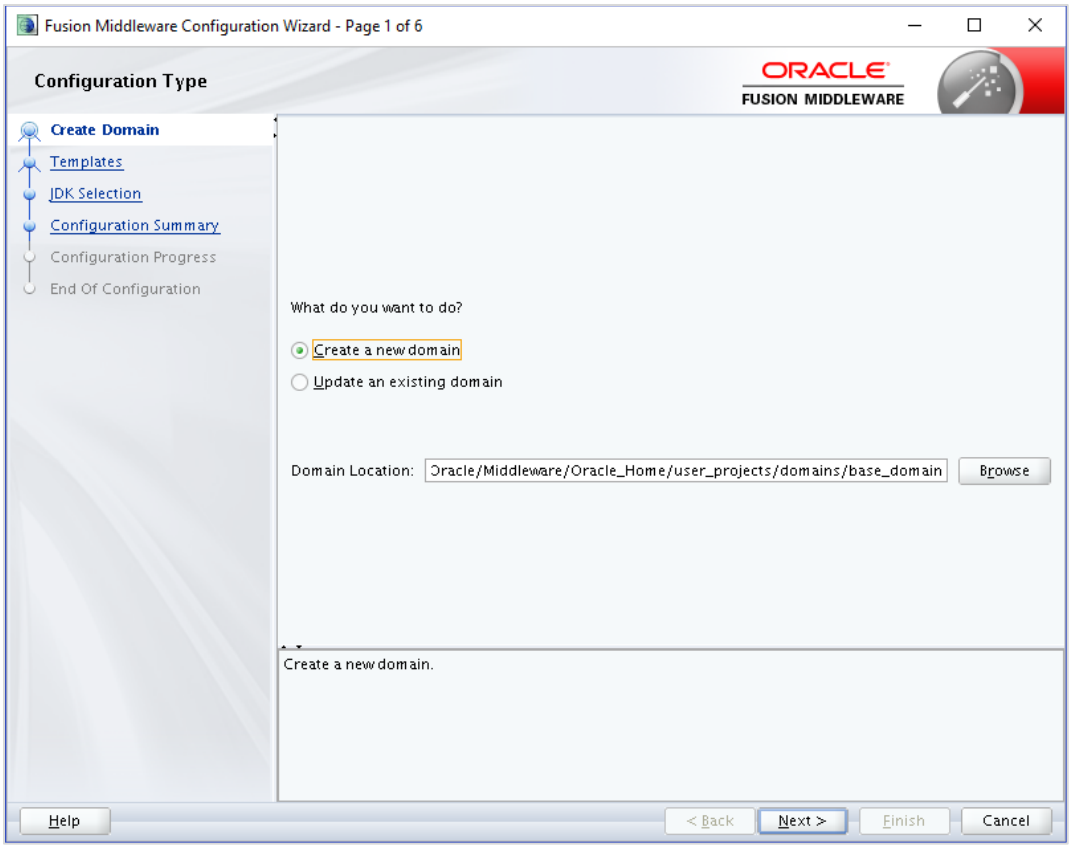
Configure the HTTP server

Follow below steps to configure domain for HTTP server

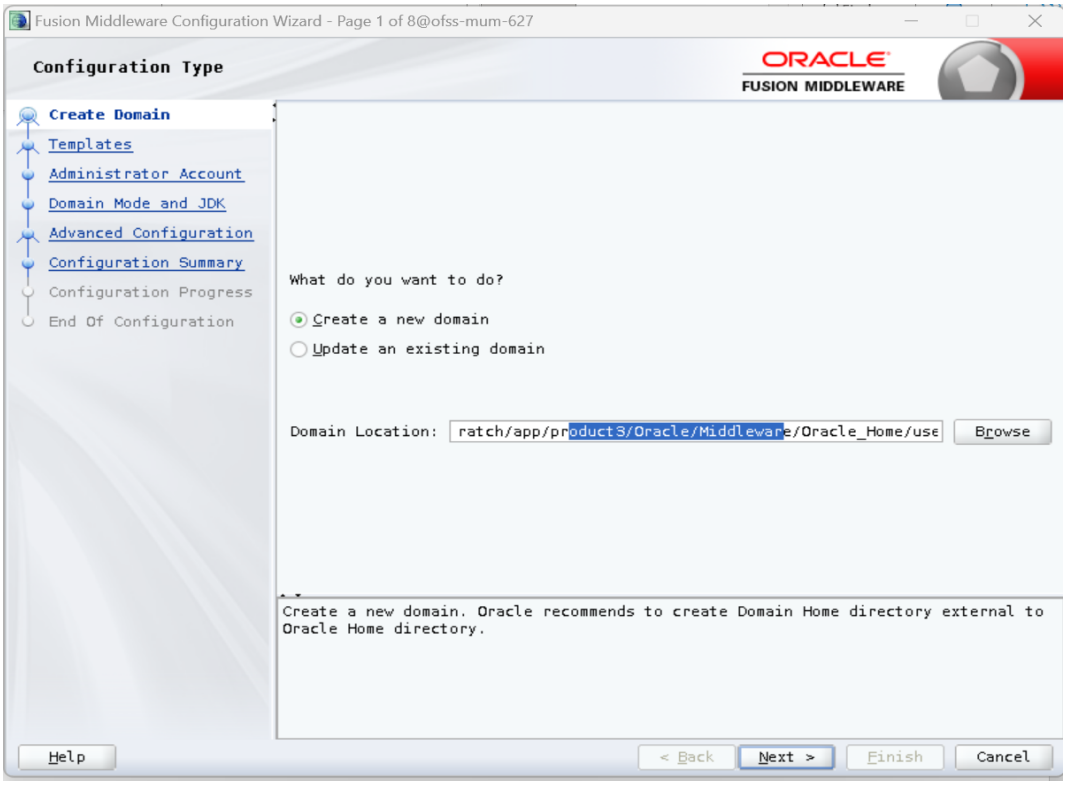
1. Browse <Middleware_Home>/oracle_common/common/bin directory
2. Execute below command

   ./config.sh

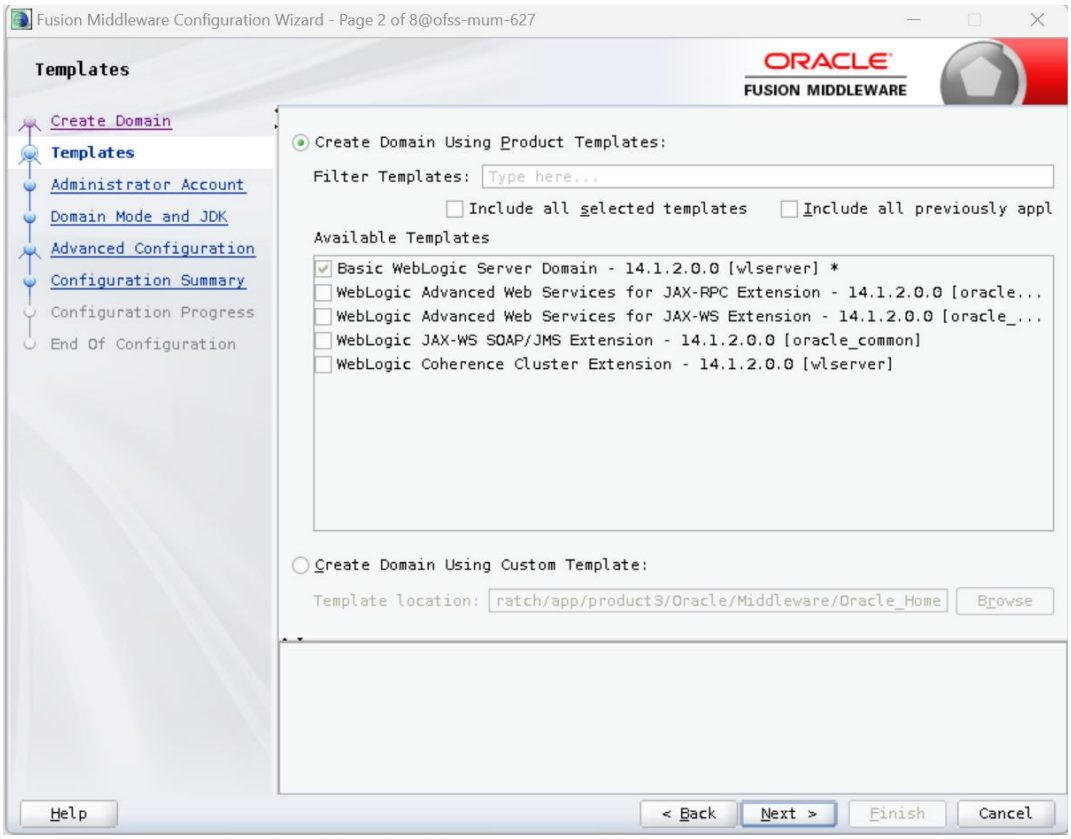
   Below screen will be displayed



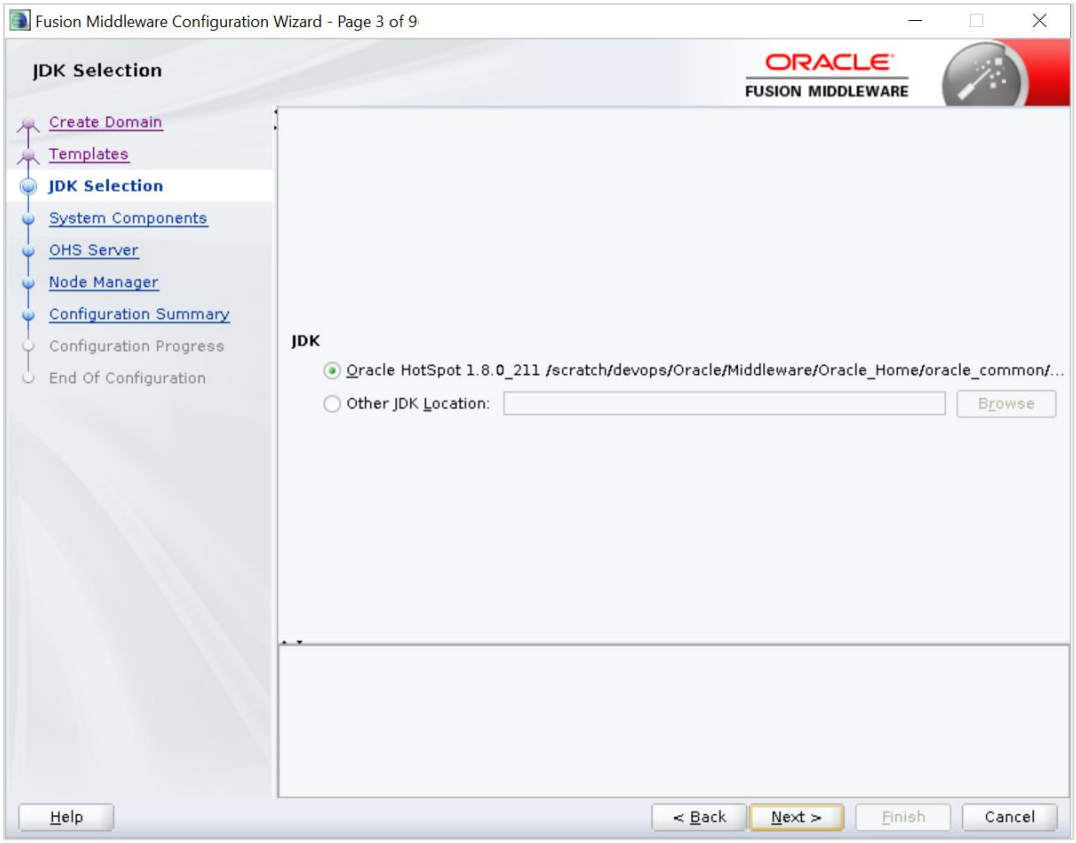
3. Select “Create a new domain” option and select Domain location. Click **Next**.



4. Select Oracle HTTP Server option and click **Next**.



5. Click **Next.**



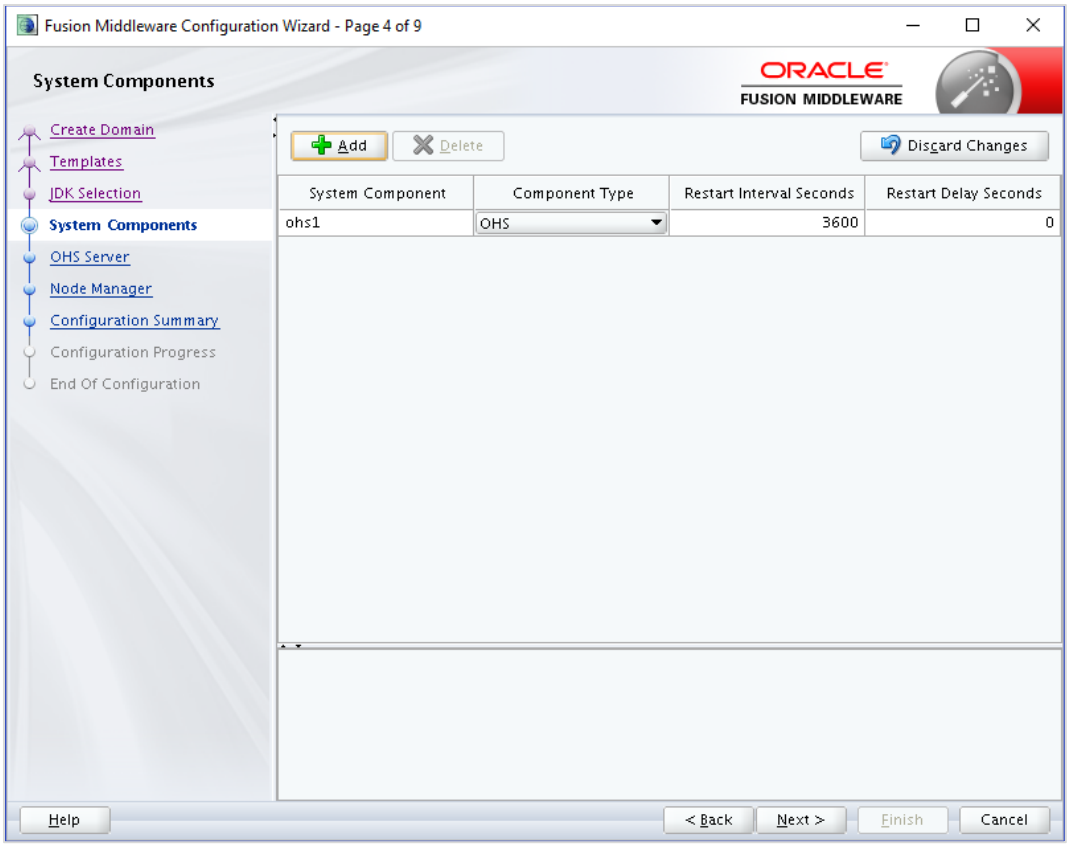
6. Enter below details and click **Next**.

System Component: Set the Instance name

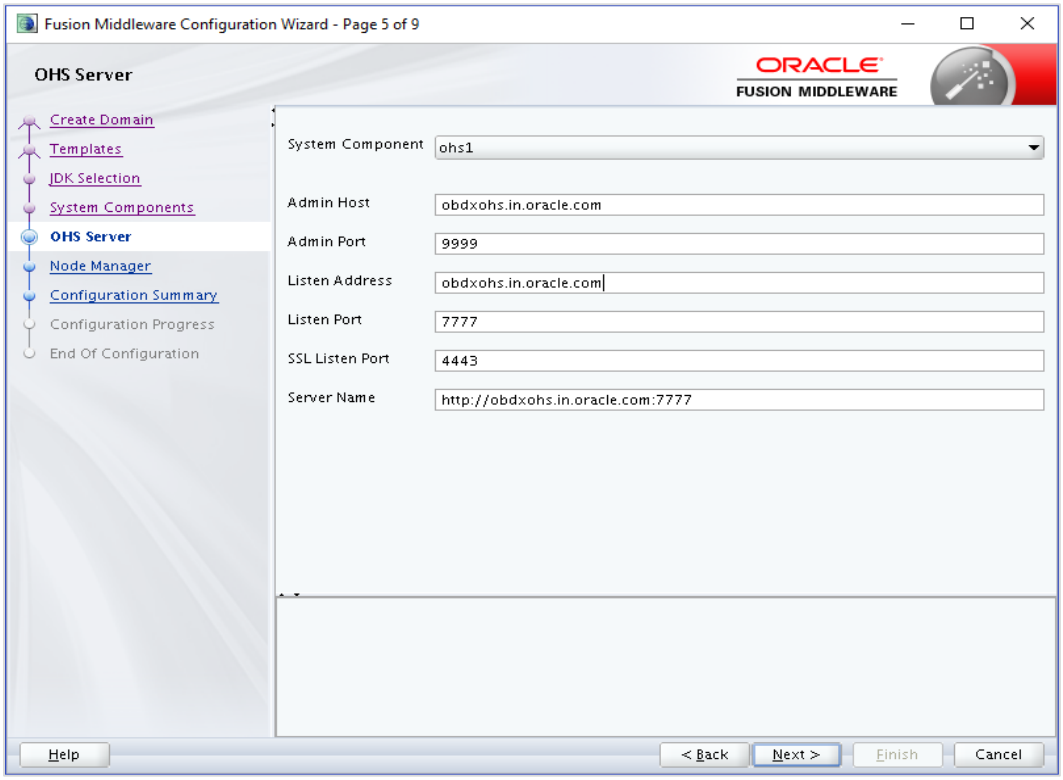
Component Type: Should be OHS

Restart Interval Seconds: Set as per requirement. Defaults to 3600

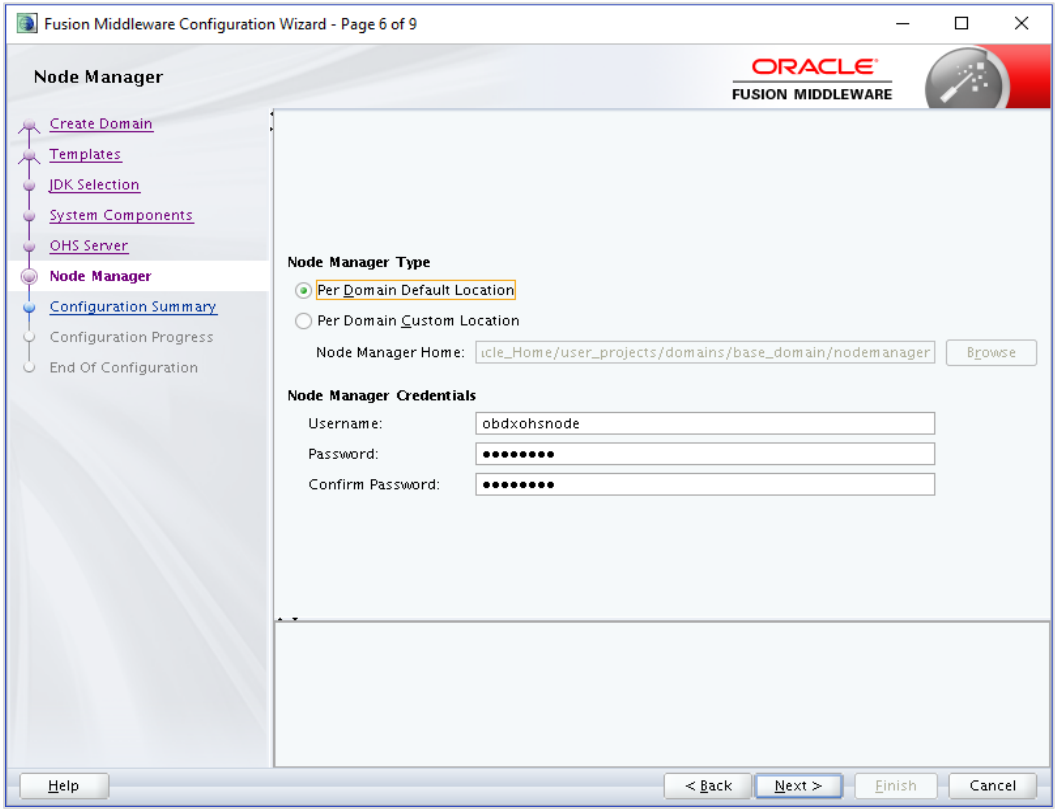
Restart Delay Seconds: Set as per requirement. Defaults to 0



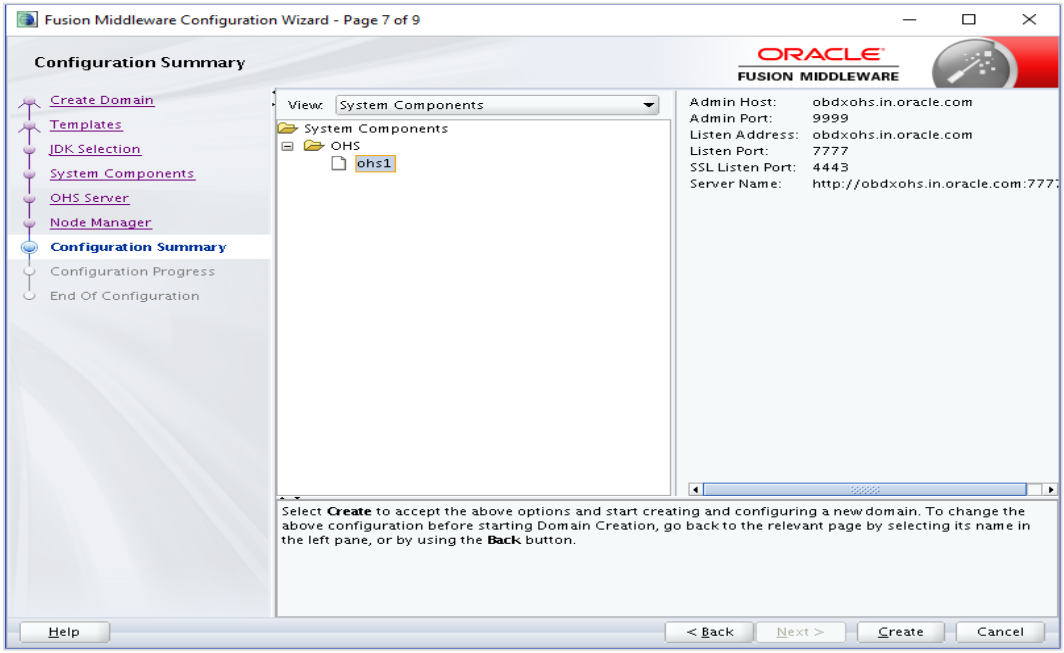
7. Configure Admin Host; Port; Listen Address and click **Next**.



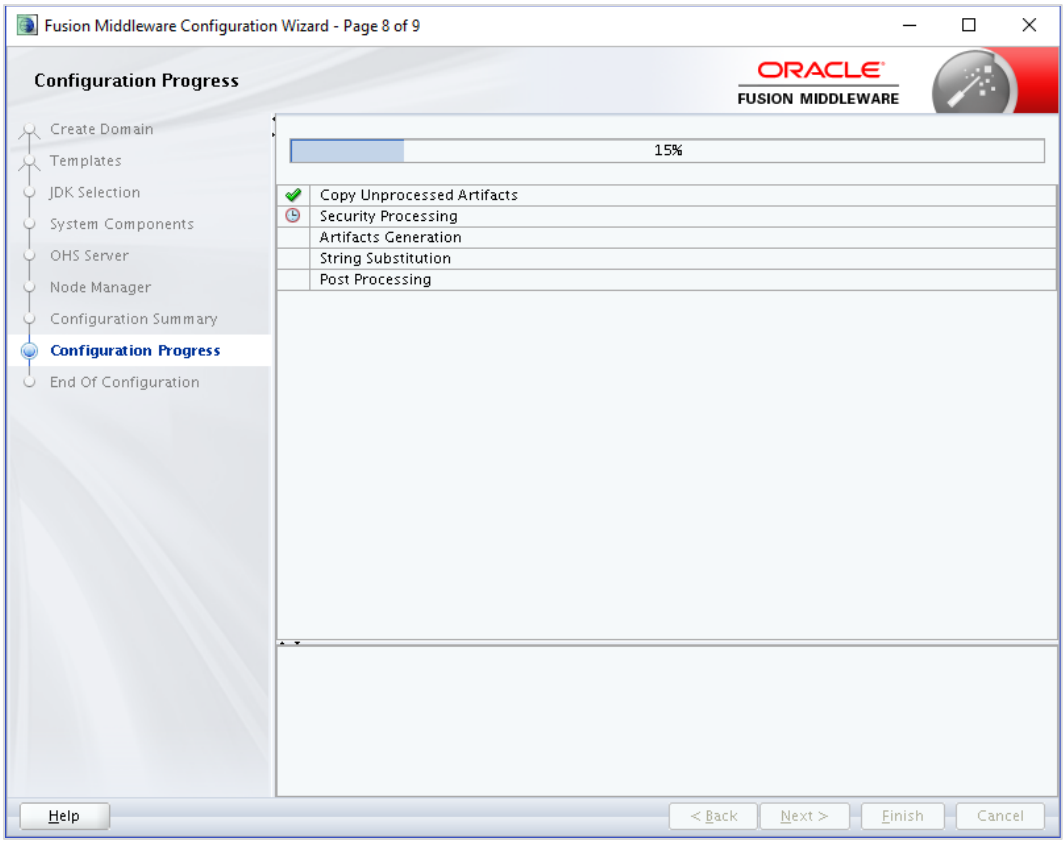
8. Select appropriate Node Manager Type; and enter Node Manager Credentials. Click **Next**.

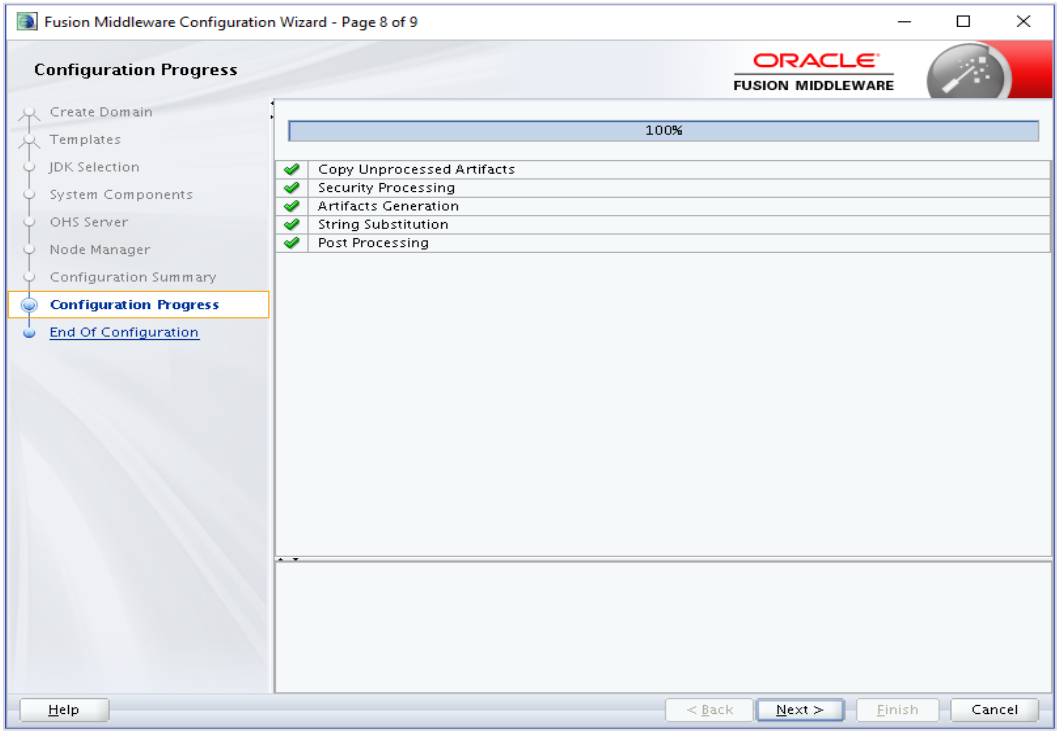


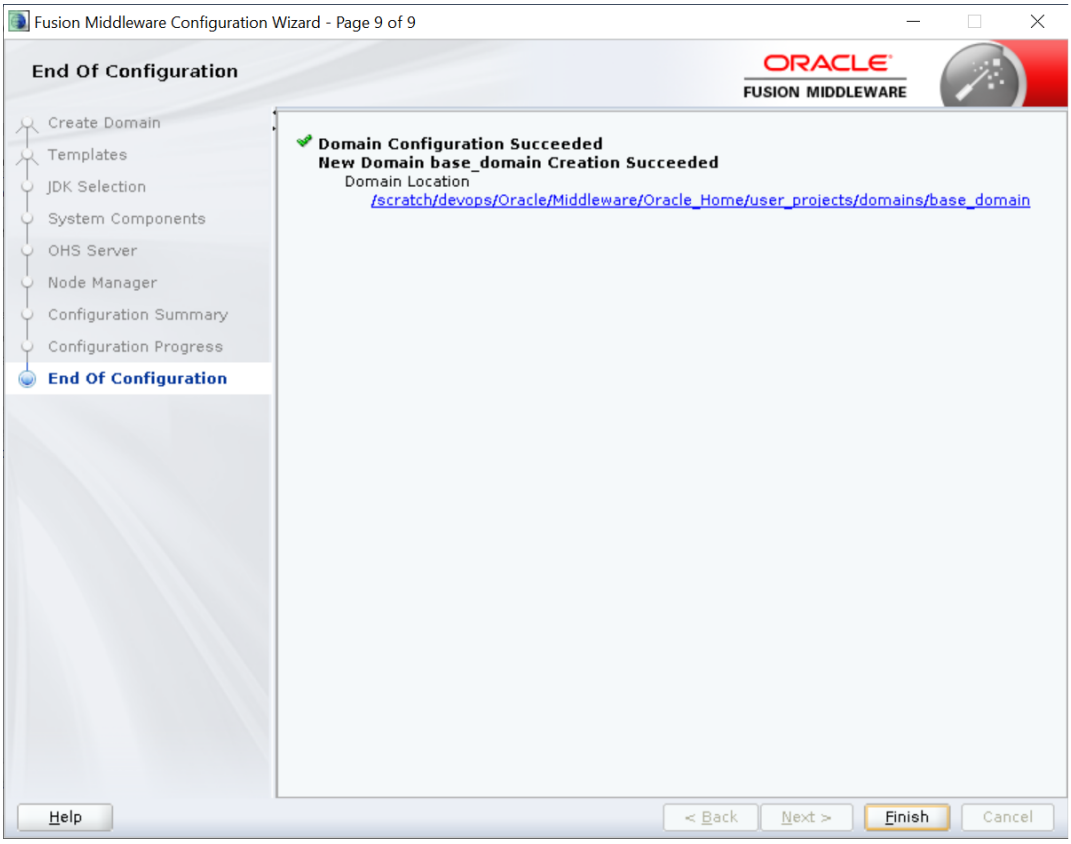
9. Review summary and click **Create**.



10. Below installation progress can be seen:


Fusion Middleware Configuration Wizard - Page 8 of 9
Configuration Progress
ORACLE
FUSION MIDDLEWARE
Create Domain
Templates
JDK Selection
System Components
OHS Server
Node Manager
Configuration Summary
Configuration Progress
End Of Configuration
15%
Copy Unprocessed Artifacts
Security Processing
Artifacts Generation
String Substitution
Post Processing
Help
< Back
Next >
Finish
Cancel


Fusion Middleware Configuration Wizard - Page 8 of 9
Configuration Progress
ORACLE
FUSION MIDDLEWARE
Create Domain
Templates
JDK Selection
System Components
OHS Server
Node Manager
Configuration Summary
Configuration Progress
End Of Configuration
100%
Copy Unprocessed Artifacts
Security Processing
Artifacts Generation
String Substitution
Post Processing
Help
< Back
Next >
Finish
Cancel



4.2 Verifying the Installation

You can perform following tasks to verify that your installation was successful:

- **Verifying the Installation Logs:** Verify the installation logs using the Log file location available in installation complete screen (or <User home dir>/oraInventory/logs).
- **Verifying the OPMN Status:** Run the below commands from the <Domain_directory>/bin directory on UNIX, in your instance home location. For example:
- **Start** NodeManager

  cd /scratch/devops/Oracle/Middleware/Oracle_Home/user_projects/domains/base_domain/bin

  ./startNodeManager.sh
- **Start** component

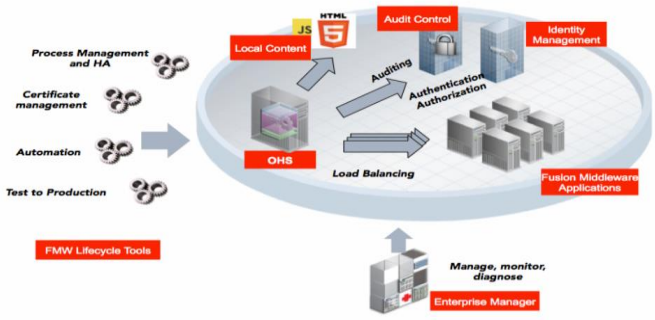
  ./startComponent.sh ohs1

Use the listen port number to point your browser to the HTTP server to test installation. Use the format:

http://<HTTPSERVERHOSTNAME>:<HTTPSERVERLISTENPORT>

Oracle HTTP Server

Oracle HTTP Server is based on the proven, open source Apache HTTP Server technology and provides the framework for hosting static, dynamic web pages and for front-ending Oracle Fusion Middleware Applications.



Features

Content Serving / Reverse Proxy

Cloud Deployment / Virtual Server Support
Thousands of sites / application domains served from a single web server instance. Each virtual server can have its own configuration files, IP addresses, port, document root, preferences, log files, and more.

Administration / Monitoring

Server Administration
Leverages WebLogic administration interfaces to provide a simple, consistent and distri
Oracle HTTP Server, Oracle WebLogic Server and the rest of the Fusion Middleware St

5. Oracle HTTP Server Webgate Installation and Configuration

A WebGate is a web-server plug-in for Oracle Access Manager (OAM) that intercepts HTTP requests and forwards them to the Access Server for authentication and authorization.

Installing a WebGate for Oracle Access Manager involves the following steps:

- Section 5.1, " Configuring Oracle Webgate"
- Section 5.2, "Post-Installation Steps for Oracle HTTP Server WebGate"
- Section 5.3, "Verifying the Installation and Configuration of Oracle HTTP Server WebGate"
- Section 5.4, "Registering the New Oracle HTTP Server 14c WebGate"

5.1 Configuring Oracle Webgate

You must complete the following steps after installing Oracle HTTP Server for Oracle Access Manager:

- Go to the Oracle_Home/webgate/ohs/tools/deployWebGate directory by running the following command:

  cd /scratch/devops/Oracle/Middleware/Oracle_Home/webgate/ohs/tools/deployWebGate

- Run the following command to copy the required bits of agent from the **`Oracle_Home`** directory to the **`OHS_Master_Config_Directory`** location:

  ./deployWebGateInstance.sh -w OHS_Master_Config_Directory -oh Oracle_Home

  `example`*:*

  ./deployWebGateInstance.sh -w /scratch/devops/Oracle/Middleware/Oracle_Home/user_projects/domains/base_domain/config/fmwconfig/components/OHS/ohs1 -oh /scratch/devops/Oracle/Middleware/Oracle_Home

```
deployWebGate]$ ./deployWebGateInstance.sh -w /scratch/devops/Oracle/Middleware/Oracle_Home/user_projects/d
omains/base_domain/config/fmwconfig/components/OHS/ohs1 -oh /scratch/devops/Oracle/Middleware/Oracle_Home
Copying files from WebGate Oracle_Home to WebGate Instancedir
```

In this command:

`Oracle_Home` is the directory in which you have installed Oracle HTTP Server WebGate. Example: /scratch/devops/Oracle/Middleware/Oracle_Home

`OHS_Master_Config_Directory` is the location of the directory where the main Oracle HTTP Server configuration files are kept.

Example: /scratch/devops/Oracle/Middleware/Oracle_Home/user_projects/domains/base_domain/config/fmwconfig/components/OHS/ohs1 Run the following command to ensure that the LD_LIBRARY_PATH variable contains Oracle_Home_for_Oracle_HTTP_Server/lib:

`export LD_LIBRARY_PATH=$LD_LIBRARY_PATH:`*`Oracle_Home`*`/lib` From your present working directory, move to directory:

cd ***`Oracle_Home`*`/webgate/ohs/tools/setup/InstallTools`**

cd /scratch/devops/Oracle/Middleware/Oracle_Home/webgate/ohs/tools/setup/InstallTools/
On the command line, run the following command to copy the **`apache_webgate.template`** file from the ***`Oracle_Home`*** directory to the main Oracle HTTP Server configuration directory (re-named to **`webgate.conf`**) and update the **`httpd.conf`** file to add one line to include the name of **`webgate.conf`**:**`./EditHttpConf -w `***`OHS_Master_Config_Directory`*** **`[-oh `***`Oracle_Home`***`] [-o `***`output_file`***`]`**

Example:

./EditHttpConf -w /scratch/devops/Oracle/Middleware/Oracle_Home/user_projects/domains/base_domain/config/fmwconfig/components/OHS/ohs1 -oh /scratch/devops/Oracle/Middleware/Oracle_Home

```
InstallTools]$ ./EditHttpConf -w /scratch/devops/Oracle/Middleware/Oracle_Home/user_projects/domains/base_d
omain/config/fmwconfig/components/OHS/ohs1 -oh /scratch/devops/Oracle/Middleware/Oracle_Home
The web server configuration file was successfully updated
/scratch/devops/Oracle/Middleware/Oracle_Home/user_projects/domains/base_domain/config/fmwconfig/components/OHS/ohs1/httpd.c
onf has been backed up as /scratch/devops/Oracle/Middleware/Oracle_Home/user_projects/domains/base_domain/config/fmwconfig/c
omponents/OHS/ohs1/httpd.conf.ORIG
```

In this command:

`Oracle_Home` is the directory in which you have installed Oracle HTTP Server WebGate for Oracle Access Manager. Example: ***/scratch/devops/Oracle/Middleware/Oracle_Home***

`OHS_Master_Config_Directory` is the location of the directory where the main Oracle HTTP Server configuration files are kept. Example: ***/scratch/devops/Oracle/Middleware/Oracle_Home/user_projects/domains/base_domain/config/fmwconfig/components/OHS/ohs1***

`output_file` is the name of the WebGate configuration file generated by the tool. A default **`webgate.conf`** file is generated if you do not specify this option. Example: **`webgate.conf`**

Note: The -oh Oracle_Home and -o output_file parameters are optional.

5.2 Verifying the configuration of Oracle HTTP Server 14c WebGate

After installing Oracle HTTP Server 14*c* WebGate for Oracle Access Manager and completing the configuration steps, you can examine the ***installDATE-TIME_STAMP.out*** log file to verify the installation. The default location of the log are as follows: The default location of the log is : ***Oracle_Home*/oraInst.loc**

5.3 Registering the New Oracle HTTP Server 14c WebGate

Before you can use the new Oracle HTTP Server 14c WebGate agent for Oracle Access Manager, you must register the new WebGate agent with Oracle Access Manager by using the Oracle Access Manager Administration Console.

Refer to the Section : “Creating WebGate Agent on OAM Console” under Oracle Access Management Configuration chapter.