# Oracle® Banking APIs Installer Pre-Requisite Setup Guide



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ORACLE

Oracle Banking APIs Installer Pre-Requisite Setup Guide, Release 25.1.0.0.0

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# Preface

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# Purpose

This guide is designed to help acquaint you with the Oracle Banking Digital Experience application. This guide provides answers to specific features and procedures that the user need to be aware of the module to function successfully.

# Audience

This document is intended for the following audience:

- Customers
- Partners

# **Documentation Accessibility**

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#### Access to Oracle Support

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# **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.

# **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.

# 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.

# **Related Resources**

For more information on any related features, refer to the following documents:

Oracle Banking APIs Installation Manuals

# Screenshot Disclaimer

Personal information used in the interface or documents is dummy and does not exist in the real world. It is only for reference purposes.

# Acronyms and Abbreviations

The list of the acronyms and abbreviations used in this guide are as follows:

#### Table 1Acronyms and Abbreviations

Abbreviation	Description
OBAPI	Oracle Banking APIs

# 1 Introduction

This guide helps you to do the pre-requisite setup required before the execution of OBAPI 25.1.0.0.0 Installer.

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

- Software List
- Pre-requisite Software Installation and OS Configuration for OBAPI Installer
- Python 3.11.0 installation on Linux Operating System

# 1.1 Software List

Software Name	Version	Mandatory Software
Operating System	ORACLE LINUX 8.7	Y
Oracle Database	19.26.0.0.0	Y
Oracle Java Development Kit	17.0.12+	Y
Oracle Weblogic Server	14.1.2.0.0	Y
Any HTTP Server	NA	Y
Oracle Digital Assistant (ODA)	20.05	N***
Python	3.11.9	Υ****
Python Package: cx_Oracle	8.3.0	Υ****
Python Package: urwid	2.6.14	Y
Flyway	11.2.0	Υ*****
Gradle	8.3.0	Y

\* Required if OBAPI Native Authentication is not used and OAM is managing Authentication

\*\* Required if Integration with Oracle Analytics Publisher is needed.

\*\*\* Required if OBAPI Chat bot Banking Features are used.

\*\*\*\* For python 3 installation refer section: Pre-requisite software installation and OS configuration for OBAPI Installer – Python 3.11.9 for Linux Operating System

\*\*\*\*\* In case of python 3 cx\_Oracle needs to be re-installed.

\*\*\*\*\*\* Required for database files execution

# 1.2 Pre-requisite Software Installation and OS Configuration for OBAPI 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:





#### Note:

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

#### **Flyway Installation**

Download the flyway version 11.2.0 zip file from flyway site

Unzip the downloaded zip file into the desire path.

Example :

```
cd /home/obdxuser
tar -xvzf flyway-commandline- 11.2.0-linux-x64.tar.gz
FLYWAY_HOME=/home/obdxuser/flyway- 11.2.0
(flyway home path will be /home/obdxuser/flyway- 11.2.0)
```

#### **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-8.3-bin.zip
GRADLE HOME=/home/obdxuser/gradle-8.3
```

#### cx\_Oracle (Software Installation)

 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-

Run the below command

dnf install oracle-instantclient19.10-basic-19.10.0.0.0-1.x86\_64.rpm



<pre>[root&amp;ft]1s -rt ython-3.8.0.tgz _oracle-instantCient19.10- [root&amp;ofss-mun-173 opt]# dnf install oracle- Last metadata expiration check: 0:00:40 ago o Dependencies resolved.</pre>	Dasic-19.10.0.0.0-1.x86 instantclient19.10-basic on Tue 08 Jun 2021 07:13	64.rpn -19.10.0.0.0-1.x06_64.rpm 0:09 AM GMT.		
Package	Architecture	Version	Repository	Size
Installing: oracle-instantclient19.10-basic Installing dependencies:	x36_64	19.10.0.0.0-1		
libns1	x86_64		ol8_u3_baseos_patch	
Transaction Summary				
Install 2 Packages				
Total size: 52 M Total download size: 100 k Installed size: 227 M Is this ok (y/N]: y Downloading Packages: libnel 2.28 127.0.3.e10_3.2.x96_64.rpm			17 MB/s   100 kB	
Total Running transaction check Running transaction text Transcotion tost succeeded. Transcotion tost succeeded. Running transaction Preparing : Installing : libns1-2.20-127.0.3.018 Installing : cracle-instantclient10. Verifying : libns1-2.20-127.0.3.018 Verifying : libns1-2.20-127.0.3.018	3.2.x36.64 10-basis-19.10.0.0.0-1.x 10-basis-19.10.0.0.0-1.x 3.2.x36.64 10-basis-19.10.0.0.0-1.x	186_64 186_64 186_64	9.7 МВ/в   100 kB	00:00 1/1 1/2 2/2 2/2 2/2 1/2 2/2
Installed: likns1-2.23-127.0.3.e18_5.2.x86_64 Complete: [root@cf +		oracle-instantclient19.10-basic	-19.10.0.0.0-1.x86_64	

- 2. Install cx\_Oracle
  - a. Download cx\_Oracle from cx\_Oracle (or cx-oracle org) website
  - b. Extract the tar file as shown below



c. Browse into the extracted directory and run below command

python3.11 setup.py build\_py



d. Execute below command to perform Urwid installation

python3.11 setup.py install



[devops@obdxwls /]\$ python3.11 setup.py install running install running bdist\_egg running egg\_info writing cx\_Oracle.egg-info/PKG-INFO writing dependency\_links to cx\_Oracle.egg-info/dependency\_links.txt writing top-level names to cx\_Oracle.egg-info/top\_level.txt reading manifest template 'MANIFEST.in' no previously-included directories found matching 'odpi/test' no previously-included directories found matching 'odpi/test' no previously-included directories found matching 'odpi/test' installing library code to build/bdist.linux-x86\_64/egg running install\_lib running build\_ext building 'cx\_Oracle' extension

#### Note:

Or you can install cx\_oracle from step mention in section **Python 3.8.0** installation on Linux Operating System below step 2

#### **Urwid (Software Installation)**

**1**. Download Urwid from Urwid (or urwid.org) website.

#### Note:

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

2. Extract the tar file as shown below



3. Browse into the extracted directory and run below command

```
# python3.11 setup.py build py
```

```
[devops@obdxwls ~]$ python3.11 setup.py build_py
running build_py
creating build
creating build/lib.linux-x86_64-3.11
creating build/lib.linux-x86_64-3.11/urwid
copying urwid/__init__.py -> build/lib.linux-x86_64-3.11/urwid
copying urwid/_async_kw_event_loop.py -> build/lib.linux-x86_64-3.11/urwid
copying urwid/canvas.py -> build/lib.linux-x86_64-3.11/urwid
copying urwid/command_map.py -> build/lib.linux-x86_64-3.11/urwid
copying urwid/compat.py -> build/lib.linux-x86_64-3.11/urwid
copying urwid/container.py -> build/lib.linux-x86_64-3.11/urwid
copying urwid/curses_display.py -> build/lib.linux-x86_64-3.11/urwid
copying urwid/decoration.py -> build/lib.linux-x86_64-3.11/urwid
copying urwid/display_common.py -> build/lib.linux-x86_64-3.11/urwid
copying urwid/escape.py -> build/lib.linux-x86_64-3.11/urwid
copying urwid/font.py -> build/lib.linux-x86_64-3.11/urwid
```

#### Note:

Ensure Python 3.11.0 version should be available in PATH variable. Above execution should be done using Python 3.11.0.

4. Execute below command to perform Urwid installation

```
# python3.11 setup.py install
```

```
[devops@obdxwls ~]$ python3.11 setup.py install
running install
running bdist_egg
running egg_info
writing urwid.egg-info/PKG-INFO
writing dependency_links to urwid.egg-info/dependency_links.txt
writing top-level names to urwid.egg-info/top_level.txt
reading manifest file 'urwid.egg-info/SOURCES.txt'
reading manifest template 'MANIFEST.in'
warning: no files found matching 'CHANGELOG'
writing manifest file 'urwid.egg-info/SOURCES.txt'
installing library code to build/bdist.linux-x86_64/egg
```

#### Note:

Or you can install urwid from section **Python 3.8.0 installation on Linux Operating System** below step 2 Ensure Python 3.8.0 version should be available in PATH variable. Above execution should be done using Python 3.8.0.

# 1.3 Python 3.11.0 installation on Linux Operating System

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/3.11.0/Python-3.11.0.tgz
tar -xzvf Python-3.11.0.tgz
cd Python-3.11.0.
/configure --enable-optimizations
make altinstall
python3.11 -version
```

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

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

```
pip3.11 install cx-Oracle==8.3.0
pip3.11 install urwid==2.1.2
```



#### limits.conf (OS Configuration)

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



# 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 Installing Stand-alone Weblogic
- Installing Stand-alone Weblogic Server

# 2.1 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 "Pre-requisite Installing Java 17.0.12"
- Section "Installing Weblogic Server"
- Section "Verifying the Installation"
- Installing Java 17.0.12
- Installing Weblogic Server
- Verifying Installation

# 2.1.1 Installing Java 17.0.12

- Obtain the Java tarball pack from the Oracle Java Downloads. Download jdk-171.0.12\_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 <Path>/jdk-17.0.12_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-171.0.12
export PATH=$JAVA_HOME/bin:$PATH
```

## 2.1.2 Installing Weblogic Server

- 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

Oracle Fusion Middleware	14c WebLogic Installation@ofss-m	ium-1458	×
Installation	Inventory Setup		
Central Inventory Dir Enter the Central inv installer will create	rectory ventory directory for all y a new central inventory o	your oracle installati directory if it does r	ons.The not exist.
Inventory Directory:	/scratch/obdxdevops/oraIn Enter the full path for t	ventory he directory.	Browse
Operating System Group :	obdxdevops Specify a group with writ inventory directory	▪ permission to the	•
Central Inventory Poi	inter File		
Click OK to create a script (createCentralInventory.sh) in the inventory directory. Run this script to create a pointer file, which is used to identify the location of the central inventory for future installations and administrative operations, such as patching and upgrade.			
Help		<u></u> <u>O</u> K	Cancel

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** 



to Updates			( )
Welcome			
Auto Updates	<ul> <li>Skip Auto Opoates</li> </ul>		
Installation Location	<ul> <li>Select patches from directory</li> </ul>		
installation Type	Location:		Brow
Prerequisite Checks	O Search My Oracle Support for Updates		
nstallation Summary	Username		
stallation Progress	Password		
nstallation Complete			
	Proxy Settings	L	Test Connectio
	Search		

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** 

Oracle Fusion Middleware 14.1.1	WebLogic Server and Coherence Installation - Step 3 of 8	3@i <sup>-</sup> .	2		×
Installation Location		FUSIC			
y Welcome	Oracle Home:				
Auto Updates	/scratch/app/product/wis			-	Browse
Installation Location	Feature Sets Installed At Selected Oracle Home: View	1			
Installation Type					
Prerequisite Checks					
Installation Summary					
Installation Progress					
Installation Complete					
	Oracle Home may only contain alphanumeric, underscor alphanumeric character.	e (_), hyphen (-) or	dot(.) characters a	nd it mus	t begin with an
Help	1	< <u>B</u> ack	<u>N</u> ext >	inish	Cancel

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** 



0	Oracle Fusion Middleware 14.1.1	ebLogic Server and Coherenc	e Installation - Step 5 of 8@c.		
Pi	erequisite Checks				
φ	Welcome				
Ý	Auto Updates		100%		
÷	Installation Location	Charleing a parating	sustam contification		
÷	Installation Type	Checking operating	system certification		
0	Prerequisite Checks	Checking Java vers	ion used to launch the installer		
ų	Installation Summary				
4	Installation Progress				
9	Installation Complete				
		Stop Rerun Skip	View Success	sful Tasks	View Log
				oonum <del>—</del> var97793	
		🖬 🛷 Checking Java version u	sed to launch the installer		
C	Help		<	< Back Next > Fin	nish Cancel

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

Welcome Auto Updates	□ Install Oracle Fusion Middleware 14.1.1 WebLogic Server and Coherence
Auto Updates	
	Installation Location
Installation Location	Oracle Home Location: /scratch/app/product/wis
Installation Type	Log File Location: /tmp/Orainstall2021-06-08_03-04-28PM/install2021-06-08_03-04-28PM.log
	Disk Space
Prerequisite Checks	Required: 976 MB
Installation Summary	Available: 607527 MB
Installation Progress	Feature Sets to Install
	Core Application Server 14.1.1.0.0
Installation Complete	Conference Product Files 14.1.1.0.0
	Web 2.0 HTTP Pub-Sub Server 14.1.1.0.0
	WebLogic SCA 14.1.10.0
	Third parts IDB 0 Drivers 14.1.1.0.0
	Webligging Evolution Detabase 14.1.10.0
	Fusion Middleware Meyor Support 14,110.0
	Administration Concole Additional Language Help Files 14 1 1 0 0
	Administration Console Additional Language Help Files 14.1.1.0.0
	OPath 13.0.4.2.2
	OPatch 15.9.4.2.5
	Caus Response File
	<u>Dave riesponse rie</u>
	Select Install to accept the above options and start the installation.
	To change the above options before starting the installation, select the option to change in the left pane or use the Back button

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

Oracle Fusion Middleware 14.1.1 V	WebLogic	Server and Cohe	rence Installation -	Step 7 of 8@ 1.					
Installation Progress					FUSIO				
Y Welcome									
Auto Updates				52%					
Installation Location	<b>v</b>	Prepare							7
Unstallation Type		Copy							-
Prerequisite Checks	6	Generating Libra	aries						-
Installation Summary		Performing Stri	ng Substitutions						
Installation Progress		Linking							
Unstallation Complete		Setup							
		Saving the inve	ntory						
		Post install scrip	pts						
	View	<u>M</u> essages		View Succe	ssful Tasks			View Log	
	-	5		~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	<mark>Hardv</mark> Engine	vare ar ered to 1	<mark>1d Soft</mark> Work Tog	ware ether	
Help			-		< <u>B</u> ack	Next >	Einish	Cancel	

Oracle Fusion Middleware 14.1.1 We	Diagic Server and Coherence Installation - Step 7 of 8@ $c^{t}$
Installation Progress	
Y Welcome	
Auto Updates	100%
Installation Location	A Brancia
Installation Type	repare
Prerequisite Checks	Copy
Installation Summary	Generating Libraries
Installation Progress	
Installation Complete	
	Solup
	Bost install series
	View Messages View Successful Tasks View Log
	Hardware and Software Engineered to Work Together
Help	< <u>Back</u> <u>N</u> ext> <u>Finish</u> Cancel

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

Oracle Fusion Middleware 14.1.	1 WebLogic Server and Coherence Installation - Step 8 of 8@c.s
nstallation Complete	
Welcome	Install Oracle Fusion Middleware 14.1.1 WebLogic Server and Coherence
Auto Updates	Installation Location
Installation Location	Oracle Home Location: /scratch/app/product/wls
Installation True	Log File Location: /tmp/OraInstall2021-06-08_03-04-28PM/install2021-06-08_03-04-28PM.log
Installation Type	Feature Sets Installed Successfully
Prerequisite Checks	Core Application Server 14.1.1.0.0
Installation Summary	Coherence Product Files 14.1.1.0.0
Installation Progress	Web 2.0 HTTP Pub-Sub Server 14.1.1.0.0
Installation Complete	WebLogic SCA 14.1.1.0.0
Installation Complete	Third party IDBC Drivers 14.1.1.0.0
	Webligging Evaluation Database 14.1.10.0
	Fusion Middleware Mayer Support 14 110.0
	Administration Console Additional Language Help Files 14.1.1.0.0
	CIE WLS Config 14.1.1.0.0
	OPatch 13.9.4.2.3
	Next Step(s):
	Oracle Fusion Middleware 14.1.1 WebLogic Server and Coherence installation completed successfully
Help	< Back Next > Finish Cance

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.

# 2.1.3 Verifying 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.



3 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:

- <u>Oracle HTTP Server</u>: 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.
- <u>Oracle Web Cache</u>: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. Refer section Installing Stand-alone Weblogic Serverfor an overview of the installation procedure.
- <u>Using Oracle Enterprise Manager Fusion Middleware Control</u>: 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 "Installing and Configuring Oracle HTTP Server (Webtier)"
- Section "Verifying the Installation"
- Installing and Configuring Oracle HTTP Server (OHS)
- Verifying Installation



# 3.1 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\_12.2.1.4.0\_ohs\_linux64.bin

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

**Specify Inventory Directory Screen** 

Oracle Fusion Middle	eware 14c HTTP Server (OHS) Installation@ofss-mum-1458	×
Installati	on Inventory Setup	
Central Inventor Enter the Centra installer will c	r <b>y Directory</b> al inventory directory for all your oracle installation reate a new central inventory directory if it does no	ns.The t exist.
Inventory Direct	ory: /scratch/obdxdevops/oraInventory Enter the full path for the directory.	Browse
Operating System Group :	obdxdevops Specify a group with write permission to the inventory directory	
Central Inventor	y Pointer File	
Click OK to crea directory. Run t the location of administrative c	ate a script (createCentralInventory.sh) in the invent this script to create a pointer file, which is used to the central inventory for future installations and operations, such as patching and upgrade.	ory identify
Help	<u>0</u> K	Cancel

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

Oracle HTTP Server Installation	- Step 2 of 9@ofss-mum-627	— D
to Updates		
Welcome		
Auto Updates	Skip Auto Updates	
Installation Location	Select patches from directory	
Installation Type	Location:	Brow
JDK Selection	○ Search My Oracle Support for Upda	ites
Prerequisite Checks	Username:	
Installation Summary	Passyord	
Installation Progress	Easteriat	
Installation Complete	Proxy Settings	Test Connection

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** 



y <u>Welcome</u>	1		
Auto Updates		100%	
Installation Location	<b>v</b>	Checking operating system certification	1
Installation Type	1	Checking recommended operating system packages	
JDK Selection		Checking kernel parameters	
Prerequisite Checks	<b>v</b>	Checking physical memory	
Installation Summary	×	Checking Java version used to launch the installer	
Installation Progress			
O Installation Complete			-
			-
			L
	⊕ - ✔Ch ⊕ - ✔Ch ⊕ - ▲Ch	ecking operating system certification ecking recommended operating system packages ecking kernel parameters ecking physical memory	
	⊞ Ch		
	⊞ <b>⊘</b> Ch	ecking Java version used to launch the installer	
	⊞ <b>√</b> Ch ⊞ <b>√</b> Ch	ecking Java version used to launch the installer	

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



Oracle HTTP Server Installation - :	Step 7 of 9@ofss-mum-627		- 0	×
Installation Summar	у		1	
Welcome Auto Updates Installation Location Installation Type JDK Selection Prerequisite Checks Installation Progress Installation Complete	<ul> <li>Install Oracle HTTP Server (OHS)</li> <li>Installation Location Oracle Home Location: /scratch/app/prome Log File Location: /tmp/OraInstall2025 24_03-20-03AM.log</li> <li>Disk Space Required: 3356 MB Available: 373355 MB</li> <li>Feature Sets to Install Oracle HTTP Server 14.1.2.0.0 Database Client 14.1.2.0.0 FMW Upgrade 14.1.2.0.0 OAM WebGate For Oracle HTTP Server 14. OPatch 13.9.4.2.17 LDAP 14.1.2.0.0 CIE CAM Shared Config 14.1.2.0.0 Save Response File</li> <li>Select Install to accept the above options and To change the above options before starting th change in the left pane, or use the Back buttor</li> </ul>	FUSION MIDDLEWARE duct4/Oracle/Middlewa -03-24_03-20-03AM/ins 1.2.0.0	ion. ct the opti	Ho 3-
Help	< Back	Next > Instal	l Can	cel

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



Oracle HTTP Server Installation - S	Step 8 of 9@ofss-mum-627 —	
Installation Progres	SS ORACLE FUSION MIDDLEWARE	
9 Welcome		
Y Auto Updates	100%	
↓ Installation Location	4 2	
Unstallation Type	V Prepare	
JDK Selection	Сору	
Prerequisite Checks	Generating Libraries	
O Installation Summary	Performing String Substitutions	
Tristallation Brograss	Linking	
Tastallation Progress	Setup	
Installation Complete	Saving the inventory	
	Post install scripts	
	View Messages	View Log
	Hardware and Soft	Nare
	Engineered to Work Tog	ether
Help	< <u>B</u> ack <u>N</u> ext > <u>F</u> inish	Cancel

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.

Fusion Middleware Configura	tion wizard - Page 1 of t	)					
Configuration Type				F		VARE	
Create Domain							
Templates							
JDK Selection							
Configuration Summary							
Configuration Progress							
End Of Configuration	What do you want	to do?					
	Create a new de	omain					
	O Update an exis	ting domain					
		-					
	Domain Location:	Oracle/Middl	eware/Oracle_	Home/user_proje	cts/domains/ba	se_doma	in B <u>r</u> ov
	Create a new domai	in.					
Heln				< Back	Next >	Finish	Can

4. Select Oracle HTTP Server option and click Next.



Templates	
<pre>Create Domain Templates Administrator Account Domain Mode and JDK Advanced Configuration Configuration Summary Configuration Progress End Of Configuration</pre>	<ul> <li>Create Domain Using Product Templates:</li> <li>Filter Templates: Type here         <ul> <li>Include all gelected templates</li> <li>Include all gelected templates</li> </ul> </li> <li>Available Templates</li> <li>Basic WebLogic Server Domain - 14.1.2.0.0 [vlserver] *             <ul> <li>WebLogic Advanced Web Services for JAX-RPC Extension - 14.1.2.0.0 [oracle]</li> <li>WebLogic Advanced Web Services for JAX-WS Extension - 14.1.2.0.0 [oracle]</li> <li>WebLogic JAX-WS SOAP/JMS Extension - 14.1.2.0.0 [oracle_common]</li> <li>WebLogic Coherence Cluster Extension - 14.1.2.0.0 [vlserver]</li> </ul> </li> </ul>
	O <u>C</u> reate Domain Using Custom Template: Template location: <u>ratch/app/product3/Oracle/Middleware/Oracle_Home</u> <u>Browse</u>

#### 5. Click Next.

Fusion Middleware Configuration	Wizard - Page 3 of 8@of	fss-mum-627		- 0 X
Administrator Account				
Create Domain Templates Administrator Account Domain Mode and JDK Advanced Configuration Configuration Summary Configuration Progress End Of Configuration	Name Password Confirm Password Must be the same a characters with at	weblogic  as the password. Pass t least one number or	vord must contain at le special character.	ast 8 alphanumeric
Help			< Back Next >	Einish Cancel



6. Enter below details and click **Next**. Name: Set the User name

Password: Set password

Confirm Password: Rewrite set password

Fusion Middleware Configuration	Wizard - Page 4 of 8@ofss-mum-627 — 🗆 🗙				
Domain Mode and JDK					
A Create Domain	. Domain Mode				
Templates	Development				
Administrator Account	Utilize boot.properties for username and password, and poll for applications to deploy.				
Domain Mode and JDK	○ <u>Production</u>				
Advanced Configuration	Require entry of a username and password, do not poll for applications t deploy.				
Configuration Summary	Disable Secure Mode				
O Configuration Progress	Secure mode sets secure defaults for production mode domains, including				
O End Of Configuration	enabling SSL ports, the Administration port, and other security-related settings.				
	Enable or Disable Default Ports for Your Domain				
	The ports checked below will be enabled by default based on your Domain Mode selections. You may change these defaults below. Enabling SSL ports will require configuring certificates on affected servers.				
✓ Enable Listen Ports (non-SSL Ports)					
	Enable SSL Listen Ports				
	Enable Administration Port (SSL Port)				
	JDK				
	Oracle HotSpot 17.0.10 /scratch/app/java17     Oracle HotSpot 17.0.10 /scratch/app/java17				
	Other JDK Location: Browse				
Help	< Back Next > Einish Cancel				

- 7. Select Domain Mode and JDK And click **Next**.
- 8. Update configuration and click **Next**.
- 9. Review summary and click **Create**.





Fusion Middleware Configuration	on Wizard - Page 5 of 9			-		Х
OHS Server					7	
Create Domain	:					
Templates	System Component	ohs1				•
JDK Selection						
System Components	Admin Host	obdxohs.in.oracle.com				
OHS Server	Admin Port	9999				
Node Manager Configuration Summary	Listen Address	obdxohs.in.oracle.com				
Configuration Progress	Listen Port	7777				
) D End Of Configuration	SSL Listen Port	4443				
	Server Name	http://obdxohs.in.oracle.com:7777				
Help		< 8:	ack Next >	Finish	Can	icel



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

Fusion Middleware Configuration Wizard - Page 6 of 9			- 0	×
Node Manager			RE	
Create Domain Templates JDK Selection System Components OHS Server Node Manager Configuration Summary Configuration Progress End Of Configuration Node Manager Credentia Username: Password: Confirm Password:	ocation .ocation Is obdxohsnode •••••••	ns/base_domain/nodem	anager Brows	58
Help	< <u>B</u>	ack <u>N</u> ext > <u>F</u>	inish Canc	el

**12.** Below installation progress can be seen;

Fusion Middleware Configuration Configuration Progress	Wizard - Page 7 of 8@ofss-mum-627		ORACLE	
Create Domain		100%	FUSION MIDDLEWARE	
Administrator Account Domain Mode and JDK Advanced Configuration	<ul> <li>Copy Unprocessed Artifacts</li> <li>Security Processing</li> <li>Artifacts Generation</li> <li>String Substitution</li> <li>Post Processing</li> </ul>			
Configuration Summary				
Help		< Back	Next > Finis	h Cancel





#### 13. Click Next.



# 3.2 Verifying 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>/oralnventory/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>





# 4 Oracle Analytics Publisher Installation

To install Oracle Analytics Publisher Installation refer

https://docs.oracle.com/en/middleware/bi/analytics-server/index.html



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