SSO Configuration Oracle Banking Liquidity Management Release 14.1.0.0.0 [May] [2018]





Table of Contents

1. FN	MW 12.2.1.3.0 INFRASTRUCTURE INSTALLATION	
1.1	INTRODUCTION	
1.2	INSTALLATION STEPS	
2. OI	IM CONFIGURATION	
2.1	INTRODUCTION	
2.2	INSTALLATION STEPS	
2.3	OIM DOMAIN CREATION STEPS	
2.3	3.1 RCU Configuration	
2.3	3.2 OIM domain creation	
3. OI	RACLE UNIFIED DIRECTORY (OUD) INSTALLATION	
3.1	INTRODUCTION	
3.2	INSTALLATION STEPS	
3.3	OUD SETUP STEPS	
3.4	OUD DOMAIN CREATION STEPS	
3.5	STEPS FOR OUDSM STATUS CHECKING	
4. OI	HS INSTALLATION	
4.1	INTRODUCTION	
4.2	INSTALLATION STEPS	
4.3	OHS DOMAIN CREATION STEPS	
4.4	OHS CONFIGURATION STEPS	
4.5	STEPS TO REGISTER WEBGATE	
4.6	STEPS TO EXTERNAL LDAP IN OAM	
5. CC	ONFIGURATION IN OBLM	



1. FMW 12.2.1.3.0 Infrastructure Installation

1.1 Introduction

This chapter details out the installation steps for Fusion Middleware 12.2.1.3.0.

All the installations in this document need jdk1.8.0_144

1.2 Installation Steps

1. Execute the FMW executable jar using the following command:

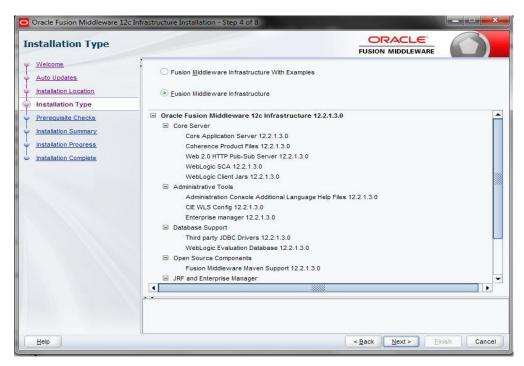
>java -jar <filename.jar>



- 2. Click Next on the Welcome Screen.
- 3. Skip Auto updates
- 4. Enter Oracle Home path, where you want to install the middleware and click Next.



5. Select Fusion Middleware Infrastructure and click Next.



6. Click Next after the Prerequisites Check is successfully completed.

Oracle Fusion Middleware 12c Prerequisite Checks	ifrastructure Installation - Step 5 of 8
<u>Welcome</u> <u>Auto Updates</u>	100%
Installation Location Installation Type	Checking operating system certification Checking Java version used to launch the installer
Prerequisite Checks	Checking Java version used to launch the installer
Installation Summary Installation Progress	
C Installation Complete	
	Stop Rerun Skip View Successful Jasks View Log
Help	< <u>Back</u> <u>Next></u> <u>Finish</u> Cancel

7. Click Install.

nstallation Summary	y ORACLE FUSION MIDDLEWARE	
Welcome	Install Oracle Fusion Middleware 12c Infrastructure	
Auto Updates	Installation Location	
Installation Location	Oracle Home Location: D:\test_installer_oim\weblogic_12c_oim	
Installation Type	Log File Location: C:\Users\vasakkum\AppData\Local\Temp\Oralnstall2017-10-04_11-39-0 17-10-04_11-39-08AM.log	J8AM\install20
Prerequisite Checks	Disk Space	
	Required: 2097 MB	
Installation Summary	Available: 32815 MB	
Installation Progress	E Feature Sets to Install	
Installation Complete	Fusion Middleware Maven Support 12.2.1.3.0	
	FMW Platform Generic 12.2.1.3.0	
	OPatch 13.9.2.0.0	
	Toplink Developer 12.2.1.3.0	
	WLS for FMW 12.2.1.3.0	
	Third party JDBC Drivers 12.2.1.3.0	
	WebLogic Evaluation Database 12.2.1.3.0	
	Administration Console Additional Language Help Files 12.2.1.3.0	
	CIE WLS Config 12.2.1.3.0	
	Enterprise manager 12.2.1.3.0	
	Core Application Server 12.2.1.3.0	
	Coherence Product Files 12.2.1.3.0	
	Wah 2.0 HTTP Buh Sub Server 12.2.1.2.0	
	Save Response File	
	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 pa button.	ane <mark>or use the l</mark>

2. OIM Configuration

2.1 Introduction

This chapter details out the configuration of Oracle Fusion Middleware 12c Identity and Access Management (OIM).

2.2 Installation Steps

1. Execute the fmw_12.2.1.3.0_idmquickstart.jar file by running the following command in Command Prompt.

>java -jar fmw_12.2.1.3.0_idmquickstart.jar

2. Click Next.

wh/f00brq.in.oracle.com:1 (oraofss) - Tiger	VNC				
Applications Places	le-sysman-olo-oloc-OlocOne	ClickInstaller	40 14	on 07:32	GENERIC PE&O OFSS Support Use
Applications Places	le-sysman-olo-oloc-OlocOne	ClickInstaller rare 12c Identity and Access Management QuickStar Welcome to the Oracle Fusion Middleware 12c (12.2.1.3 Use this installer to create a new Oracle home that con privages and protect applications with the Oracle IDM evaluation. Ror mare information, see install. Patch. and Uppunde in documentation Ibrary. Context-sensitive online help is available from the Help	rt Installation - Step 1 o CRACLE FUSION MIDDLEWARE 1.0/ IOM Suite Quick Start Instu- tains everything you need to Suite software for production in the Oracle Fusion Middlewa	f 7 aller. manage sr	
1	Help	Copyright (c) 2010, 2017, Oracle and/or its affiliates. All		Cancel	
	0 0 0	📑 🥥 💽 🖬 🔮 🕨			sktop " - P 🕅 🕅 🚽 🌜 502 PM

Applications Places	Bracle-sys	sman-olo-oloc-OlocOne	ClickInstaller	40 Mon 07	7:32 GENERIC PE&O OFSS Support Us
< > Scratch		Oracle Fusion Middles	vare 12c Identity and Access Managemen	t QuickStart Installation - Step 2 of 7	
Places Places Recent Home Documents Downloads Music Pictures Videos Trash Pevices Computer Network Connect to Server	fmw_12. idmquick	Velcons Auto Updates Installation Location Percensiste Checks Installation Summary Installation Progress Installation Complete	Silp Juto Updates Select patches from girectory Location: Search By Oracle Support for Updates Upername Basswork: Prory Settings Search	D	
		Help		< Back Bent > Smith C	ancel

3. Select Skip Auto Updates and click Next.

4. Enter Oracle Home path, where you have installed the FMW previously and click **Next**.



Applications Places	Gracle-sy	sman-olo-oloc-OlocOne	lickInsta	aller	40	Mon 07:33	GENERIC PE&O OFSS Support Us
< > Scratch	swdu			Identity and Access Management Q	UICKSTart Installation - Step	4 of 7	
🕑 Recent 🏚 Home	fmw_12 idmquick	Auto Updates		1 Checking operating system certification	00%		
Documents Documents Downloads Music Dictures H Videos Trash Devices Computer Network Dearse Network Connect to Server		Prerequisite Checks Installation Summary Installation Progress Installation Complete		Checking Java version used to launch the	e installer		
		Пер		Berun Step Wh		View Log	

5. Click Next after the Prerequisites Check is successfully completed.

6. Review the Installation Summery and click Install.



2.3 OIM Domain Creation Steps

2.3.1 RCU Configuration

2.3.1.1 Introduction

This chapter details out the configuration of RCU

2.3.1.2 Installation Steps

Follow the below mentioned steps:

- i. Open cmd (Command Prompt) as Administrator.
- ii. Open sql plus by executing the following command:

>sqlplus <schema_name>/<schema_password>@<db_name>

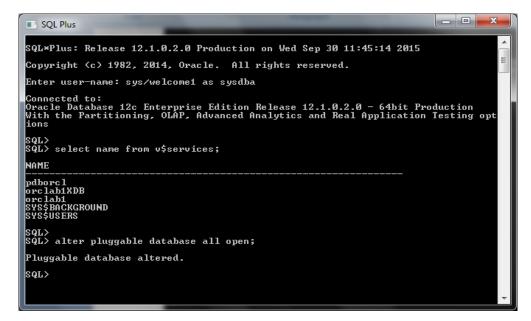
iii. Connect as sys user.

SQL>conn sys as sysdba

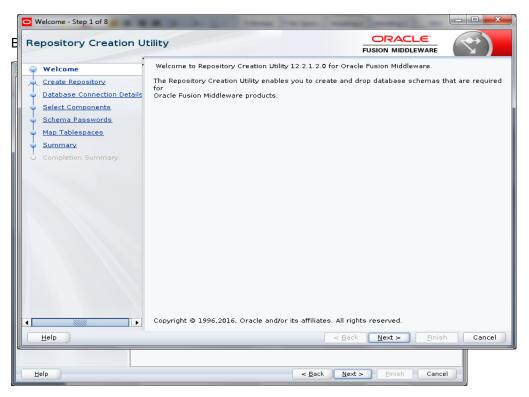
- iv. Enter password.
- v. Now execute the following commands.

SQL>select name from v\$services;

SQL>alter pluggable database all open; SQL>alter system set processes = 500 scope = spfile; SQL>alter system set open_cursors = 800 scope = both; SQL>grant execute on DBMS_REPUTIL to public;



vi. Go to ...\Oracle_Home\oracle_common\bin path and run *rcu.bat* file.



vii. Click on Next. Following screen will appear. Select System Load and Product Load.



viii. Click on Next. The following screen will appear, enter the details.

Database Type: Oracle Database Host Name: IP Address of Database Port: Port Number of Database Service Name: Service Name of the DB (For ex. LMTESTDB.in.oracle.com) Username: sys Role: SYSDBA

O Welcome - Step 3 of 8		
Repository Creation Ut	ility	
Welcome Create Repository Database Connection Det	<u>D</u> atabase Type: Host Na <u>m</u> e:	Oracle Database
Select Components Schema Passwords Map Tablespaces	Port:	For RAC database, specify VIP name or one of the Node name as Host name. For SCAN enabled RAC database, specify SCAN host as Host name.
Completion Summary	_ <u>S</u> ervice Name:	LMTESTDB. in. oracle. com
	<u>U</u> sername:	eys User with DBA or SYSDBA privileges. Example:sys
	<u>P</u> assword:	
	<u>R</u> ole:	SYSDBA
		One or more components may require SYSDBA role for the operation to
Help		< <u>Back</u> <u>Next</u> <u>Finish</u> Cancel

ix. Click on Next.

hecking Global Prerequisites	
🖉 Initializing repository configuration metadata	00:01.415(sec)
Obtain properties of the specified database	00:00.402(ms)
Check requirement for specified database	00:01.707(sec)
peration completed. Click OK to continue to next page.	

x. Click **OK** after the Prerequisites Check is successfully completed.

			FUSION MIDDLEWARE	
Welcome	 Specify a unique prefix for all sche schemas later. 	emas created in this session, so y	ou can easily locate, reference, and mar	age the
Create Repository	scientis later.			
The second se				
Database Connection Details	Select existing prefix:	DEV		1.0
Select Components	Oreate new prefix: DEV9			
Schema Passwords				
Map Tablespaces		Alpha numeric only. Carino	t start with a number. No special charact	ers.
	Component		Schema Owner	1
Summary	Component			
Completion Summary	Common Infrastructure Services *		DEV9_STB	
	Oracle Enterp		ESS	
		m Security Services	DEV9_OPSS	
	User Messag		DEV9_UMS	
	Audit Services	• · · · · · · · · · · · · · · · · · · ·	DEV9_IAU	
	Audit Services		DEV9_IAU_APPEND	
	Audit Services		DEV9_IAU_VIEWER	
	Metadata Ser		DEV9_MDS	
	Weblogic Ser	vices *	DEV9_WLS	
	SOA Suite			
	SOA Infrastru	cture	DEV9_SOAINFRA	
	□ IDM Schemas			
	Oracle Identit		DEV9_OIM	
	Oracle Acces	s Manager	DEV9_OAM	
	* Mandatory component. Ma	ndatory components cannot be d	eselected.	

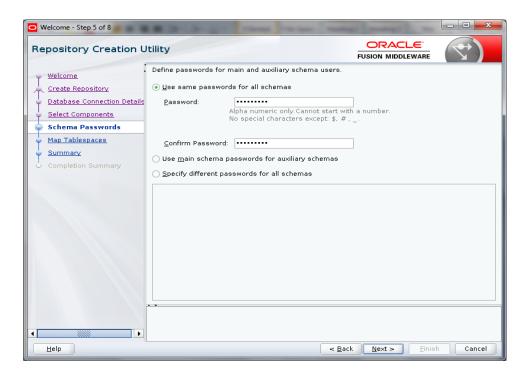
xi. Select **Create new prefix.** Take a note of the prefix you have selected. Select all the component checkboxes present in the list. Click **Next**.

If prerequisities check fails at oim, check error log. If its xatransaction related tables missing run scripts of xaview.sql, initxa.sql present in database installation folder

Oracle\product\12.1.0\dbhome_1\RDBMS\

Common Infrastructure Services	00:00.100(ms)
Oracle Platform Security Services	00:00.100(ms)
Business Intelligence Platform	00:00.100(ms)
User Messaging Service	00:00.101(ms)
Audit Services	00:00.100(ms)
Audit Services Append	00:00.100(ms)
Audit Services Viewer	00:00.100(ms)
Metadata Services	00:00.101(ms)
Weblogic Services	00:00.101(ms)
ration completed. Click OK to continue to next page.	

xii. Click **OK** after the Prerequisites Check is successfully completed.



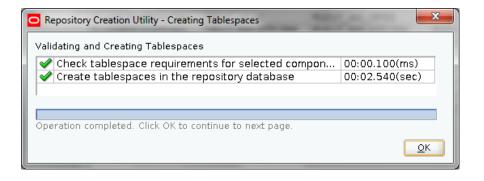
xiii. Click on **Use Same Password for all schemas,** enter and confirm the password and Click **Next.**

Repository Creation U	tility			
Velcome Create Repository Database Connection Details Select Components	Default and temporary tables To create new tablespaces or			
Schema Passwords	Component	Schema Owner	Default Tablespace	Temp Tablespace
	Common Infrastructur	DEV9 STB	*DEV9 STB	*DEV9_IAS_TEMP
Custom Variables	Oracle Platform Securit		*DEV9_STB	*DEV9_IAS_TEMP
Map Tablespaces	SOA Infrastructure	DEV9 SOAINFRA	*DEV9 SOAINFRA	*DEV9 IAS TEMP
[Oracle Identity Manager	DEV9 OIM	*DEV9 OIM	*DEV9 OIM TEMP
Summary	User Messaging Service		*DEV9 IAS UMS	*DEV9 IAS TEMP
Completion Summary	Oracle Access Manager		*DEV9 OAM	*DEV9 OAM TEMP
	Audit Services	DEV9_IAU	*DEV9_IAU	*DEV9_IAS_TEMP
	Audit Services Append	DEV9 IAU APPEND	*DEV9 IAU	*DEV9 IAS TEMP
	Audit Services Viewer	DEV9_IAU_VIEWER	*DEV9_IAU	*DEV9_IAS_TEMP
	Metadata Services	DEV9_MDS	*DEV9_MDS	*DEV9_IAS_TEMP
	Weblogic Services	DEV9_WLS	*DEV9_WLS	*DEV9_IAS_TEMP
	*Default tablespaces (specifi	ed in the configuration file	s) are to be created upon co	nfirmation.

xiv. Confirm and click Next.

C Repository	Creation Utility - Confirmation
?	Any tablespaces that do not already exist in the selected schemas will be created. Click OK to create tablespaces. Click Cancel to return to the wizard.
	<u>Q</u> K <u>C</u> ancel

xv. Click **OK**.



xvi. Click OK.

ository Creation U	tility			i		\checkmark
Velcome	Database details:					
Create Repository	Host Name			localhost		
atabase Connection Details	Port			1521		
elect Components	Service Name			PDBORCL		
chema Passwords	Connected As			sys		
Custom Variables	Operation			System and Data	Load concurrently	
lap Tablespaces	Prefix for (prefixable) Sch	ema Owners		DEV9		
Summary	Component	Schema Owner	Tablespac.		Tablespace Name	
Completion Summary	Common Infrastructure Services	DEV9_STB	Default Temp Additional	DEV9_STB DEV9_IAS_TEMP [None]	2	
	Oracle Platform Security Services	DEV9_OPSS	Default Temp Additional	DEV9_IAS_OPS DEV9_IAS_TEMP [None]		
	SOA Infrastructure	DEV9_SOAINF RA	Default Temp Additional	DEV9_SOAINFR DEV9_IAS_TEMP [None]		
	Oracle Identity Manager	DEV9_OIM	Default Temp Additional		P 3, DEV9_OIM_ARCH_DATA, 5_TEXT_IND_TAB]	
	User Messaging Service	DEV9_UMS	Default Temp	DEV9_IAS_UMS DEV9_IAS_TEMP		
	Save Response File					

xvii. Click Create.

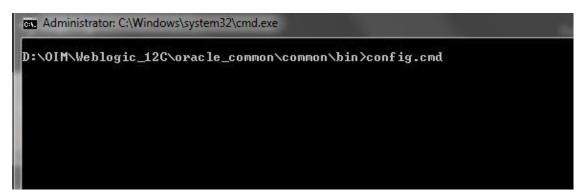
Execute pre create operations	00:00.289(ms)
Common Infrastructure Services	00:02.575(sec)
Audit Services Append	0
Audit Services Viewer	0
Metadata Services	0
Weblogic Services	0
User Messaging Service	0
Audit Services	0
Oracle Platform Security Services	0
Business Intelligence Platform	0
Execute post create operations	0

Welcome - Step 8 of 8 Repository Creation U	tility	_		ORAC	
repository creation o	cincy			FUSION MIDD	
9 Welcome	Database details:				
Create Repository	Host Name	10.184.157.22	1		
Database Connection Details	Port	1521			
Select Components	Service Name	LMTESTDB.IN.	DRACLE.COM		
Schema Passwords	Connected As	sys			
	Operation	System and D	ata Load concur	rently	
Map Tablespaces	Execution Time	2 minutes 25	seconds		
Summary					
Completion Summary	RCU Logfile	/tmp/RCU2017	-03-27_10-34_1	861197 0 84/logs/rcu.lo)g
<u> </u>	Component Log Directory	/tmp/RCU2017	-03-27_10-34_1	861197 0 84 / logs	
	View Log	rcu.log			
	-				
	Prefix for (prefixable Schema Owners) DEV7			
	Schema Owners				
	Comn	onent	Status	Time	Loafile(Click to view)
	Common Infrastruct		Success	00:10.215(sec)	stb.log
	Oracle Platform Sec	urity Services	Success	00:23.224(sec)	opss.log
	Business Intelligend	e Platform	Success	00:19.660(sec)	biplatform.log
	User Messaging Se	rvice	Success	00:13.888(sec)	ucsums.log
	Audit Services		Success	00:16.350(sec)	iau.log
	Audit Services Appe		Success	00:09.385(sec)	iau_append.log
	Audit Services View	er	Success	00:09.220(sec)	iau_viewer.log
	Metadata Services		Success	00:16.398(sec)	mds.log
	Weblogic Services		Success	00:17.498(sec)	wis.log

xviii. The above screen will come after the Repository is successfully created. Review the above screen and Click **Close.**

2.3.2 OIM domain creation

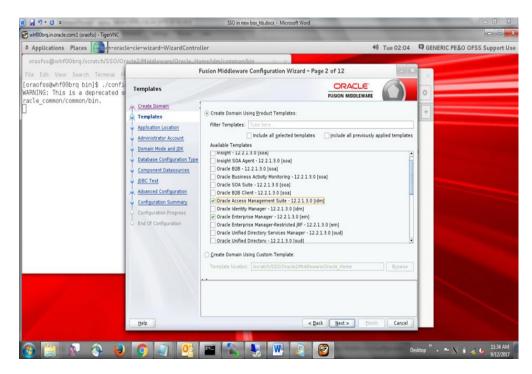
1. Open cmd (Command Prompt) as Administrator in OIM installed path (For ex. ...\oracle_home\oracle_common\bin\) and run config.cmd file.



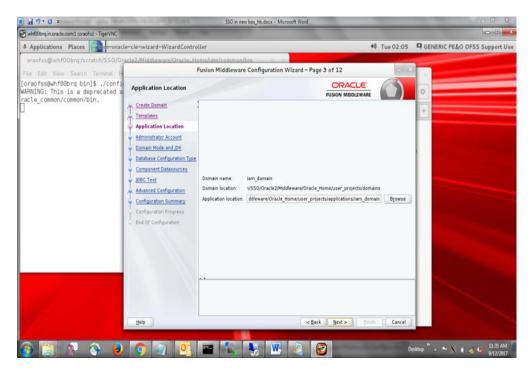
2. Enter the path where you want to create the domain and the domain name (**For ex.** oim_domain) and click **Next**.

W 品 ウ・ひ =		SSO in new box_hb.docx - Microsoft V	Word		- C X
😵 whf00brq.in.oracle.com:1 (oraofss) - TigerVNC					
Applications Places	le-cie-wizard-WizardCont	troller	40	Tue 02:02	GENERIC PE&O OFSS Support Use
oraofss@whf00brq:/scratch/550/0r File Edit View Search Terminal H	acle2/Middleware/Oracle.	Home/idm/common/bin Fusion Middleware Configuration Wiza	ard - Page 1 of 8		
[oraofss@whf00brq bin]\$./confi WARNING: This is a deprecated s racle_common/common/bin.	Configuration Type				•
	Create Domain Create Domain Administrator Account Maninistrator Account Domain Mode and DK Advanced Configuration Senfiguration Summary Configuration Progress End Of Configuration	What do you want to do? (9) greate a new domain (1) godate an existing domain Domain Location: [Yracle2/Middleware/Oracle]	Home/user_projects/domains/lan(_do	T Browse	
		Create a new domain.			
	Help		< Back Next > Emish	Cancel	
🚱 🚊 🕅 🔇 🔮				D	esktop " - 🗣 🔪 🕯 ҧ 🌜 11:32 AM 9/12/2017

- 3. Select the Templates as given below:
 - Basic Weblogic Server Domain 12.2.1.3.0 [wlserver]
 - Oracle Access Management Suite 12.2.1.3.0 [idm]
 - Oracle Enterprise Manager 12.2.1.3.0 [em]
 - Oracle JRF 12.2.1.3.0 [oracle_common]
 - Oracle Coherence Cluster Extension 12.2.1.3.0 [wlserver]



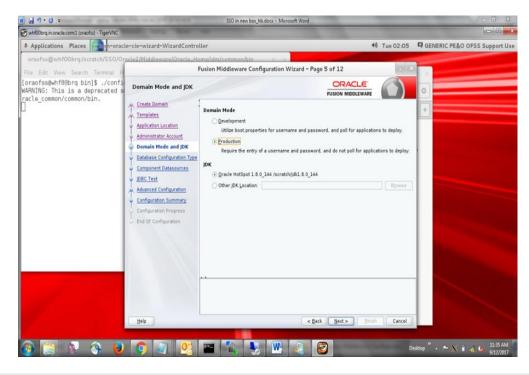
4. Enter domain location and click Next.



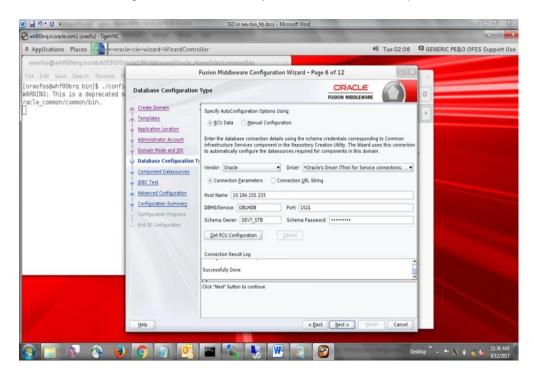
5. Enter Name and Password, this credentials will be used to login into OIM Domain Console. Please remember this User Name and Password as these will be used in many places.

W 49.0 =	100.000.000	SSO in n	www.box_hb.docx - Microsoft Word			○ ① ∑
Swhf00brq.in.oracle.com:1 (oraofss) - TigerVNC						
Applications Places	le-cie-wizard-WizardContr	oller		40	Tue 02:05	GENERIC PE&O OFSS Support Use
oraofss@whf00brq/scratch/SSO/O F&e Edt Vewy Sacch Termal H [oraofss@whf00brq bin]\$./confi wARNING: This is a deprecated s racle_common/common/bin.	Administrator Account	emelidm/commor Fusion Middlewa	n/bin re Configuration Wizard – F			
	Database Configuration Type Database Configuration Type Digestation Digestation Digestation Configuration Configuration Configuration Configuration Configuration Configuration	Name Password Confirm Password	weblogic			
	Help		es the password. Password must r or special character.	contain at least 8 alphanumeric Back Next > Bnish	Cancel	ektop ** . ** X ii .4. 6. 912/2017

6. Select Production as Domain Mode and latest JDK. Click Next.



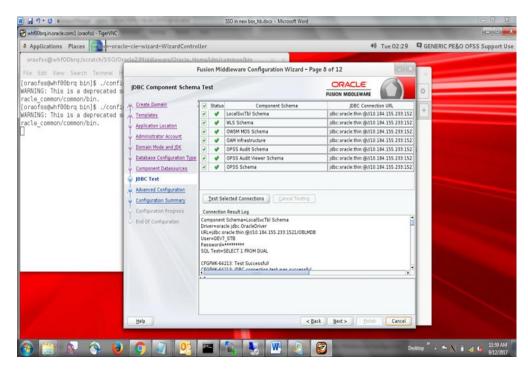
- Database Configuration Type Screen will appear, Select RCU Data. Give the RCU (Repository Creation Utility) Details that you have created already for OIM. Enter the rest of the details as follows:
 - Vendor. Oracle
 - Driver. Oracle's Driver (Thin) for Service connections
 - DBMS/Service: Enter the Service Name of your DB
 - Host Name: Enter the IP address of the system where your DB is installed
 - Port: Enter the Port Number of your DB
 - Schema Owner: Enter the Schema Owner created while RCU setup with suffix _STB. Here DEV6 is the Schema Owner, suffix with _STB it will be DEV6_STB as Schema Owner
 - Schema Password: Enter the password as given while creating the RCU Click on Get RCU Configuration, if successfully done move to Next Step.



8. Click Next.

Applications Place Applications	whf00brq.in.oracle.com:1 (oraofss) - TigerVNC								
File Edit View Starch Terminal II Fusion Middleware Configuration Wizard - Page 7 of 12 [oraofss@whf96brg bin]\$./confi MARNING: This is a deprecated racle_common/common/bin. IDBC Component Schema IDBC Component Schema IDBC Component Schema Crede Domain Crede Domain Crede Domain IDBC Component Schema IDBC Component Schema \frac{Crede Domain Agbit don Location Vendor: Dower: IDBC Component Schema IDBC Component Schema \frac{Crede Domain Agbit don Location Administrator Account Occonection Barameters: IDBC Component Datassures IDBC Test \fraceBarance Batabase Configuration Convertise Graduk Cemporate RAC multi data source: Dent taport \fraceBarance Batabase Configuration Schema DBMStervice First Occent Schema Dent taport \fraceConfiguration Configuration Cemporate Schema DBMStervice First Market Otion taport \fraceConfiguration Configuration Configuration Schema DBMStervice First Market Otion taport \fraceConfiguration Configuration Traperes Configuration Schema DBMStervice First Market Otion taport \fraceConfiguration	Applications Places	le-cie-wizard-WizardControl	ler				+	Tue 02:07	GENERIC PE&O OFSS Support U
	oraofss@whf00brq:/scratch/SSO/0	racle2/Middleware/Oracle_Ho	me/idm/common/bin						
[oraofss@whf08brg bin]\$./confi MARNING: This is a deprecated some set of the	File Edit View Search Terminal H	F	usion Middleware Cor	figuration \	Vizard - Page 7	of 12		- 8	
Crede Contain Yendor:	[oraofss@whf00brq bin]\$./confi WARNING: This is a deprecated s								•
Empletes Acybication Lassaurce Acybication Lassaurce Dest Test Advanced Configuration Comparation Progress End Of Configuration	racte_common/common/bin.	A Create Domain		1.				-	
Application Location Administrator Account Administrator Account Accounter Administrator Administrato	ć	Templates							*
Demain Mode and DK OBMEDIService: Pert: Database Configuration Type Schema Owner: Schema Passwird: Component Datassurces UBBC Test: Oracle RAC configuration for component schema: Quarticle Configuration Convert to GridLink Ocenvert to GRC multi data source: Dant convert Component Datassurces Convert to GridLink Ocenvert to GRC multi data source: Dant convert Configuration Frogress Component Schema OblitSifevice: Host Name Pert: Dant Convert End of Configuration Component Schema OblitSifevice: Host Name Pert: Dant Convert OdM Infrastructure: OBM Infrastructure: OBM Infrastructure: OBM Infrastructure: Oblite Tis Scall Districe: OMM Infrastructure: OBM Infrastructure: OBM Infrastructure: OBM Infrastructure: Oblite Tis Scall Districe: Oracle Districe: Distr		Application Location	(e) Connection Earameters		tion <u>V</u> er, String				
Database Configuration Type: Schema Owner: Schema Password Component Dataseurces Used RAC configuration for component schemas: Oracle RAC configuration for component schemas: UBDC Test Oracle RAC configuration Convert to GridLink Ocenvert to RAC multi data source Dent convert Configuration Progress Component Schema DBMS/Service Hists Name Port Schema Password Configuration Progress Component Schema DBMS/Service Hists Name Port Schema Password Must Schema OBLMS/Service Hists Name OEV7_VS_RR Noves Schema Password UscaSkyrdish Schema OBLMS/Service Hists Science Schema DBMS/Service Hists Science OW, Schema Password Schema Password OPSS Audt Schema OBLMDB 10.144.155.233 1521 DEV7_MS_RR OPSS Audt Schema OBLMDB 10.184.155.233 1521 DEV7_MAL_VR OPSS Audt Schema COMDB 10.184.155.233 1521 DEV7_MAL_VR		Administrator Account	Host Name:						
Database Configuration Type: Schema Owner: Schema Password: Component Datassures: Oracle RAC configuration for component schemas: Oracle RAC configuration for component schemas: Advanced Configuration Forgers: Convert to GridLink Ocenvert to GridLink Ocenvert to GridLink Component Datassures: Convert to GridLink Ocenvert to GridLink Ocenvert to GridLink Ocenvert to GridLink Component Schema DBMS/Service Host Name Port Schema Daws: Edits to the data above will affect all checked rows in the table below. Component Schema DBMS/Service Host Name Port Schema Daws: Edits to the data above will affect all checked rows in the table below. UscaBbvrice Biotheria: OBM Infrastructure OBM/DB 10.144.155.233 15521 DEV7_MS_RI OPSS Audt Schema OBLADE Schema Schema: OBM/DB 10.184.155.233 15521 DEV7_MA_VE OPSS Audt Vewer Si OBLADE 10.184.155.233 1521 DEV7_MA_VE Environment		Domain Mode and JDK	DBMS/Service:		ort:				
Component Datassurces Drade RAC component schemas: Drade RAC component schemas: Convert to GrdLink Conve		Database Configuration Type							
BBC Test Cracket RAC Component schema Recomponent schema Recom		Component Datasources	screme Owner, [contine reservore				
Advanced Configuration Configu		and the second se	Oracle RAC configuration I	ler component	schemas.				
Configuration Summary: Edits to the data above will affect all checked rows in the table below. Configuration Progress Component Schema DBMS/Service Host Name Pot Schema Passw LocalSv:Tbl Schema OBLMOB 10.184.155.233 1521 DEV7_STB Image: Component Schema WLS Schema OBLMOB 10.184.155.233 1521 DEV7_STB Image: Component Schema OAM Infrastructure OBLMOB 10.184.155.233 1521 DEV7_MS_RI Image: Component Schema OPSS Aude Viewer Si OBLMOB 10.184.155.233 1521 DEV7_MIL_REF		A second s	O Convert to Gri	fLink O Cer	nvert to RAC multi r	data souri	o ODant	convert	
Configuration Composets									
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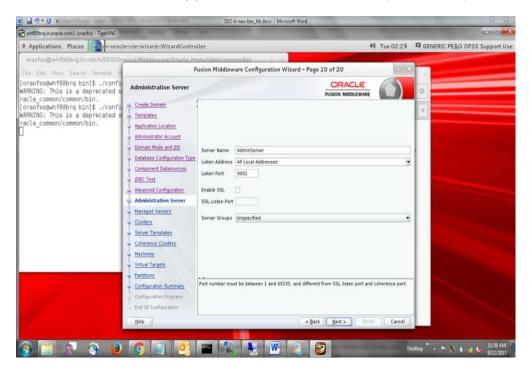
9. Click Next once JDBC Test for all the components are successfully.



10. Select Administration Server and Topology and click Next.

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File Edit View Search Terminal H	1	Fusion Middleware Configuration Wiz	ard - Page 9 of 20	1418	5 x
oraofss@whf00brg bin]\$./confi ARNING: This is a deprecated acle_common/common/bin. oraofss@whf00brg bin]\$./confi ARNING: This is a deprecated s acle_common/common/bin.	Advanced Configuration	Administration Server Modify Settings Node Kanager Configure Node Manager Oropology Add, Delete or Modify Settings for Manag Dgmain Frontend Host Capture Configure Domain Frontend Host Beployments and Services Target to Servers or Clusters Target to Servers or Clusters File Stage Modify Settings	ed Servers. Clusters, Virtual Targets an		

- 11. Enter the following details and leave other fields empty:
 - Server Name: AdminServer
 - Listen Address: All Local Addresses
 - Listen Port: Enter any port number which is not in use (For ex. 9001)



- 12. Add two managed servers. Enter the following details:
 - Server Name: oam_server1 & oam_policy_mgr1
 - Listen Address: All Local Addresses
 - Listen Port: 14100 & 14150

NOTE: Use port numbers which are currently not in use, Server Groups are automatically updated.

Applications Places						40	Tue 02:33	4 OLIVER	RIC PE&O OFSS S	support
oraofss@whf00brq:/scratch/SSO/Or Ie Edit View Search Terminal H			Configuration Wiza	rd - Page 1	1 of 20		- *			
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cle_common/common/bin.	Administrator Account	Server Name	Listen Address	Listen Port	Enable SSL	SSL Listen Port	Server Groups			
	Domain Mode and JDK	oam_server1	I Local Addresses 🔻	14100		Disabled	OAM-MGD			
	Database Configuration Type	oam_policy_mgr1	All Local Address. 🔻	14150		Disabled	OAM-POLL.			
	Administration Server Administration Server Administration Server States Server Templates Server Templates Machines Virtual Targets Virtual Targets Partitions									
- 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1	Configuration Summary Configuration Progress End Of Configuration									

13. Click **Next** until the section **Coherence Clusters.** Enter the following details:

- Cluster Name: defaultCoherenceCluster
- Cluster Port: 7674

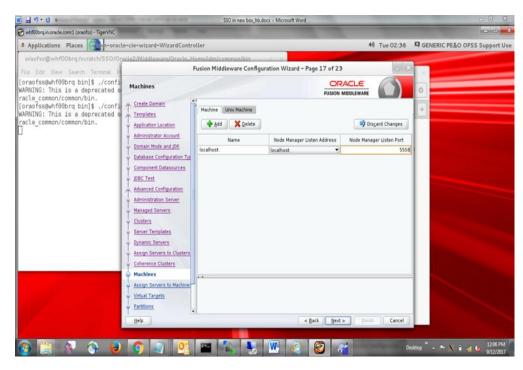
NOTE: Use port numbers which are currently not in use.

Coherence Clusters		
<u>Update Domain</u> Templates		🗐 Dis <u>c</u> ard Changes
Database Configuration Type	Cluster Name	Cluster Listen Port
Component Datasources	defaultCoherenceCluster	7674
JDBC Test		
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Server Templates		
Coherence Clusters		
Machines		
Virtual Targets		
Partitions		
Configuration Summary		
Configuration Progress		
End Of Configuration		
	**	
Help	L	< Back Next > Einish Cance

14. If it is windows machine click machine

If it is a UNIX machine click UNIX machine

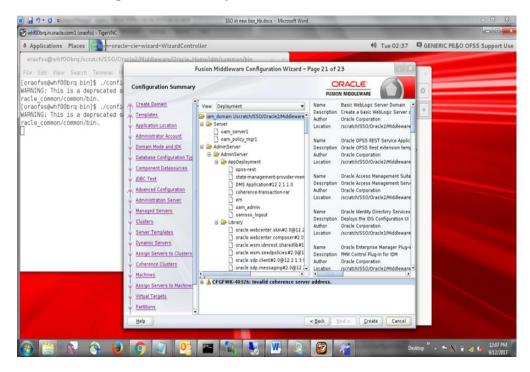
- Name: localhost
- Node Manager Listen Address: localhost
- Node Manager Listen Port: 5558



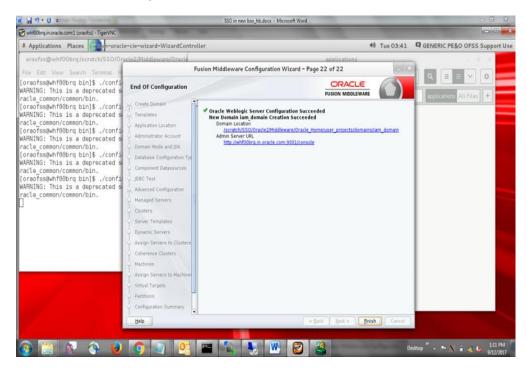
15. Assign managed servers to machines and click Next.

Fusion Middleware Configuration	Wizard - Page 12 of 17			- • ×
Assign Servers to Machines				
June Update Domain	Servers		Machines	
Templates	AdminServer		Machine	
Database Configuration Type			new_Machine_1 i oam_policy_mgr1	
			oam_boilcy_ligi1	
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Machines				
		8		
Assign Servers to Machines				
 <u>Virtual Targets</u> 				
Partitions				
Configuration Summary				
Configuration Progress				
End Of Configuration				
	Select one or more servers in the left pane and one	machine	in the right pane. Then use the rig	ht arrow button (>)
	to assign the server or servers to the machine.			
Help			< <u>B</u> ack <u>N</u> ext > Ein	sh Cancel

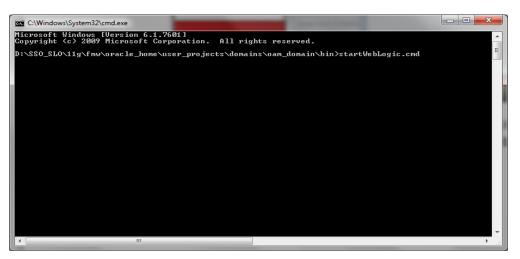
16. Review the Configuration Summery and click Create.



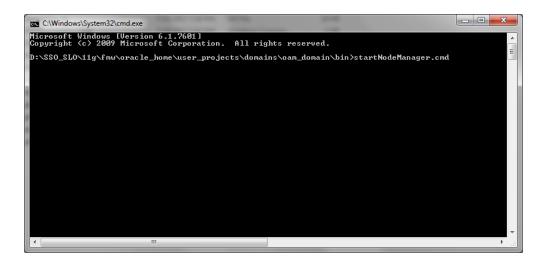
17. Take a note of the newly created domain details and click Finish.



18. Open cmd (Command Prompt) as Administrator in OIM domain path (For ex. ...\oracle_home\user_projects\domains\oim_domain\bin) and run startWeblogic.cmd file.



19. After the server moves into **Running Mode**, open another command prompt at the same location and run **startNodeManager.cmd** file.



20. Open the following link in any web browser <u>http://<IP_Address>:<OIM_Port_No>/console</u>

DRACLE WebLogic Server A	Iministration Console 12c		
hange Center	A Home Log Out Preferences 🔛 Record Help	9	Welcome, weblogic Connected to: itr2_d
liew changes and restarts	Home		
onfiguration editing is enabled. Future hanges will automatically be activated as you nodify, add or delete items in this domain.	Home Page - Information and Resources		
omain Structure	Helpful Tools	General Information	
2_domain * Domain Pathons = Environment Dopdoyments * Services * Security Realms - Interoperability	Configure applications Configure 4 applications Configure 4 applications Configure 4 applications Configure 4 applications Resourt Task Status Resourt Task Status Set your console preferences Oracle Enterprise Nemager	Common Administration Task Descriptions Read the documentation Ask a question on Hy Grade Support	
P-Diagnostics	- Domain Configurations		
			An address of the second states of the
	Domain • Domain	Resource Group Templates Resource Group Templates	Interoperability • WTC Servers • Job Connection Pools
	Domain Partitions	Resource Groups	
w do L 🛛 🖂	Domain Partitions Partition Work Managers	Resource Groups	Diagnostics Log Files Diagnostic Modules
Gae die Change Cancel Record WLST sorpts Change Console entensions Nanape Console entensions Monitor servers	Environment - Serves - Cluters - Server Templates - Hightable Targets	Opployments Services Messaging . 785 Servers	Bult-to-Dispatch (Holdes Dispatch (Holdes) Reparate Federate Reparate Federate Actives Custed
stem Status 🛛 🖂 alth of Running Servers as of 3:19 AM	Coherence Clusters Machines Virtual Hosts	Store-and-Forward Agents JHS Hodules Path Services	SMMP Interceptors
Faled (0) Critical (0) Overloaded (0) Warning (0) OK (3)	Virtual Targets Work Hanagers Concurrent Templates Resource Hanagement Startup And Shutdown Classes	Bridges Data Sources Personnet Stores XNR, Registres XNR, Registres XNR, Entry Codes Foreix XND Providen	Charto and Gospha • Hontoring Dathbard ®
	Application's Security Settings • Security Reline	- rotup: JILO Protects	

21. Click on Servers.

DRACLE WebLogic Server Ac	🙆 Home Log Out Preferences 🔛 Record Help	9	Welcome, weblogic Connected to: itr2 do
Nange Center	Home		
onfiguration editing is enabled. Future	Home Page		
anges will automatically be activated as you odfy, add or delete items in this domain.	- Information and Resources		
main Structure	Helpful Tools	General Information	
_domain	Configure applications	Common Administration Task Descriptions	
oomain Domain Partitions	Configure GridLink for RAC Data Source	Read the documentation	
Environment	Configure a Dynamic Cluster	Ask a question on My Grade Support	
Deployments	Recent Task Status		
Services Security Realms	Set your console preferences		
Interoperability Diagnostics	Oracle Enterprise Manager		
Diagnostics	- Domain Configurations		
	Domain	Resource Group Templates	Interoperability
	Domain	Resource Group Templates	WTC Servers
			Jolt Connection Pools
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w do L. 🛛	Domain Partitions	Resource Groups	Diagnostics
Search the configuration	Partition Work Managers		Log Files
Use the Change Center		Deployed Resources	Diagnostic Modules
Record WLST scripts	Immunient	Deployments	Built-in Diagnostic Modules
Change Console preferences	Servers		Diagnostic Images
Manage Console extensions		Services	Request Performance
Monitor servers	 Server Templates 	Messaging	Archives
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salth of Running Servers as of 3:19 AM	Machines	 JHS Hodules 	Interceptors
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Critical (0)	Virtual Targets	Bridges	Charts and Graphs
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Warning (0)	Concurrent Templates	 Persistent Stores 	
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	Startup And Shutdown Classes	 XML Entity Caches 	
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	Application's Security Settings	Work Contexts	
	Security Realms	JCOM Mail Sessions	
		Mail sessions Fletts	
		 Fiet3 JTA 	
		J14 OSGI Frameworks	
		Osta Frameworks	

22. Click on **Control** tab, select servers except Adminserver and click **Start** button.

ORACLE WebLogic Server*					
Change Center	n Home Log Out Preferences 🖾 Record Help	<u>A</u>			Welcome, weblogic Connected to: oam_do
View changes and restarts	Home >Summary of Deployments >Summary of Servers				
Click the Lock & Edit button to modify, add or delete items in this domain.	Summary of Servers				
Lock & Edt	Configuration Control				
Release Configuration	Use this page to charge the state of the servers in this WebLox	sic Server domain. Control operations on Managed Ser	ers require starting the Node Manager. Startin	g Managed Servers in Standby mode requires the domain-wid	Se administration port.
Domain Structure					
am_domain *	0				
Servers	P Customize this table				
	Servers (Filtered - More Columns Exist)				
Horatable Targets	[Start] [Resume] [Suspend v:] [Shuldown v:] [Restart 5]	161			Showing 1 to 4 of 4 Previous Next
Coherence Servers Coherence Clusters MacRizzes	Server 🔿	Hachine	State	Status of Last Action	
Work Managers	Administerver(admin)		RUNNING	Note	
Startup and Shutdown Classes	oam_policy_mgr1	localhost	SHUTDOWN	None	
-Services	Ø cam_servers	localhost	SHI/TDOWN	None	
How do L.	omm_server1	localhost	SH/TDOWN	None	
	[Stat] [Resume] [Suspendix] [Shutdownix] [Restart St	54. J			Showing 1 to 4 of 4 Previous Next
 Start and stop servers Start Managed Servers from the 					
Administration Console					
Start Managed Servers in Admin mode					
 Start Managed Servers in a cluster Configure the domain-wide administration 					
port					
System Status					
Health of Running Servers					
Failed (0) Critical (0)					
Overloaded (0)					
Warring (0)					
OK (1)					
WebLopk Server Version: 10.3.6.0 Copyright (0 1996, 2013, Oracle and/or its alliates, All	tight moved.				
	rights reserved. and/or its affiliates. Other names may be trademarks of their respective some	•			

23. This task might take time, wait until the servers' state change to **RUNNING**.

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Goto weblogic console home page and click on deployments and Check the health of OAM related Deployments.

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O localhost:7001/console		vle.portal?_nfpb=true&_pageLabel=AppDeploymentsControlPage&nullhandle=com.bea.	onsole.handles.JMXHandle%28*	om.bea%3ANami	%3Doam_domain%2CType%3DDom	ain 19629 Showing 1 to 49 of 49 Previous Ne
		stall Update Delete Start Stop -	State	Health	Туре	Deployment Order
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w do L. 🛛			Active	✓ OK	Web Application	5
Install an Enterprise application Configure an Enterprise application			Active	✓ ok		400
Update (redeploy) an Enterprise application		B Dem		✓ OK	Enterprise Application	
Start and stop a deployed Enterprise application	E	-	Active		Ubrary	100
Monitor the modules of an Enterprise	6		Active		Library	100
application Deploy EJB modules	E	Cencore .	Active		Ubrary	100
Install a Web application	E	CO FMW Welcome Page Application (11.1.0.0.0)	Active	✓ OK	Enterprise Application	5
	E	©pw-common(11.1.1,11.1.1)	New		Ubrary	100
ystem Status 🛛	6	€(avers(1.1,1.9)	New		Ubrary	100
Failed (0)	E	€i#(1.2,1.2.9.0)	Active		Library	100
Critical (0)	E	€jstl(1.2,1.2.0.1)	Active		Ubrary	100
Overloaded (0) Warning (0)	E	8 _ camsso_logout (11.1.2.0.0)	Active	OK	Web Application	411
OK (1)	E	cam_admin (11.1.2.0.0)	Active	OK	Enterprise Application	600
	E	eam_policy_mgr (11.1.2.0.0)	New		Enterprise Application	450
	E	cam_server (11.1.2.0.0)	New		Enterprise Application	410
	E	ohw-sd(5,5.0)	Active		Library	100
	E	chw-sis(5,5.0)	Active	-	Ubrary	100
	Ε	omern (11.1.2.3.0)	New		Enterprise Application	500
	E	Coracle.adf.dcorfigbeans(1.0,11.1.1.2.0)	Active		Ubrary	100
	E	Coracle.adf.desktopintegration(1.0,11.1.1.2.0)	Active		Ubrary	100
	E	Coracle.adf.desktopintegration.model(1.0,11.1.1.2.0)	Active		Library	100
	E	Coracle.adf.management(1.0,11.1.1.2.0)	Active		Ubrary	100
	E	oracle.bi.adf.model.slib(1.0,11.1.1.2.0)	Active		Ubrary	100
	E	oracle.bi.adf.view.slb(1.0,11.1.1.2.0)	Active		Library	100
	E	cracle.bl.adf.webcenter.slib(1.0,11.1.1.2.0)	Active		Ubrary	100
	E		Active		Library	100
			Active		Ubrary	100
			Active		Ubrary	100

24. Check oamconsole URL <u>http://<IP_Address>:<OIM_Port_No>/oamconsole</u> and u are able to login

3. Oracle Unified Directory (OUD) Installation

3.1 Introduction

This chapter details out the installation steps for Oracle Unified Directory (OUD).

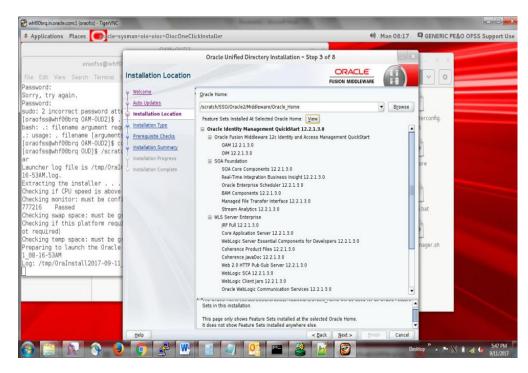
3.2 Installation Steps

1. Execute the fmw_12.2.1.3.0_oud.jar file by running the following command in Command Prompt.

>java -jar fmw_12.2.1.3.0_oud.jar

whf00brq.in.oracle.com:1 (oraofss) - TigerVNC				
Applications Places	/sman-oio-oioc-OiocOneCli	ckinstaller 🔲 🕴	Mon 08:17	GENERIC PE&O OFSS Support Use
	044-0102			
oraofss@whf0 File Edit View Search Terminal	Welcome	Oracle Unified Directory Installation - Step 1 of 8 ORACLE RUSION MIDDLEWARE		
Password:	Welcome			
Sorry, try again. Password: sudo: 2 incorrect password att. [oraofss@whf00brq QAM-OUD2]\$. bash: .: filename argument req. .: usage: , filename [argument] [oraofss@whf00brq QUUD2]\$ ccratc ar Launcher log file is /tmp/OraIr 16-53AM.log. Extracting the installer Checking if CPU speed is above Checking sound this platform requi- ot required) Checking this platform requi- ot required) Checking this platform requi- ot log: /tmp/OraInstall2017-09-11.	Auto Updates Installation Location Notallation Type Prerequisite Checks Installation Trogress Installation Trogress Installation Complete	Welcome to the Oracle Fusion Middleware 12c (12.2.1.3.0) Oracle Unified Directory Use this installer to create a new Oracle home or to extend an existing Oracle Hom contains everything you need to evaluate or develop applications with the Oracle Di Directory subtrave. For more information, ases <u>Install, Patch, and Upprade</u> in the Oracle Fusion Middlew documentation library. Context-sensitive online help is available from the <u>trelp</u> button.	ne th <mark>a</mark> t nified	terconfig.
1	Help	Copyright (c) 2010, 2017, Oracle and/or its affiliates. All rights reserved.	Cancel	
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2. Click Next.



3. Enter Oracle Home path, where you have installed the FMW in the previous section and click **Next**.

Oracle Unified Directory Installation – Step 4 of 8 Oracle Unified Directory Installation – Step 4 of 8 Oracle Unified Directory Installation – Step 4 of 8 Oracle Unified Directory Installation – Step 4 of 8 Oracle Unified Directory Installation – Step 4 of 8 Oracle Unified Directory Installation – Step 4 of 8 Oracle Unified Directory Installation – Step 4 of 8 Oracle Unified Directory Installation – Step 4 of 8 Oracle Unified Directory Server (Managed Independently of WebLogic server) Math Updates Oracle Unified Directory Server (Managed Independently of WebLogic server) Oracle Unified Directory Server (Managed Independently of WebLogic server) Oracle Unified Directory Server (Managed Independently of WebLogic server) Oracle Unified Directory Server (Managed Independently of WebLogic server) Oracle Unified Directory 12.2.1.3.0 Oracle Unified Directory 12.2.1.3.0 Oracle Unified Directory 12.2.1.3.0 Oracle Unified Directory 12.2.1.3.0 Oracle Common Configuration Infrastructure Oracle Common Configuration Infrastructure Oracle Unified Directory 12.2.1.3.0 <th>Applications Places</th> <th>/sman-oio-oioc-OiocOne0</th> <th>ClickInstaller 40 Mon</th> <th>08:18 GENERIC PE&O OFSS Support Use</th>	Applications Places	/sman-oio-oioc-OiocOne0	ClickInstaller 40 Mon	08:18 GENERIC PE&O OFSS Support Use
1.08-16-53AM Log: /tmp/0raInstall2017-09-11	oraofse@whf0 File Edt View Search Terminal Password: Sorry, try again. Password: sudo: 2 incorrect password att [noraofss@whf00brq 0AM-0UD2]\$. bash: : filename [argument req : usage: . filename [argument reg [noraofss@whf00brq 0AM-0UD2]\$. [noraofss@whf00brq 0UD]\$ /scratt ar Launcher log file is /tmp/0raIr 16-53AM.log. Extracting the installer Checking if CPU speed is above Extracting the installer Checking if CPU speed is above Checking if this platform requi ot required) Checking temp space: must be g Preparing to launch the Oracle 1,08-16-53AM	Installation Type Welcome Anto Updates Installation Location Installation Symmary Installation Progress Installation Complete	Oracle Unified Directory Installation – Step 4 of 8 CRACLE FUSION MIDDLEWARE Standalone Oracle Unified Directory Server (Managed independently of WebLogic server) Guilocated Oracle Unified Directory Server (Managed through WebLogic server) Oracle Unified Directory 12.2.1.3.0 Gracle Unified Directory 12.2.1.3.0 Internal Features OPatch 13.9.2.0.0 Oracle Common Configuration Infrastructure	er)

4. Select Collocated Oracle Unified Directory Server (Managed through Weblogic sever) option and click Next.

Applications Places		lickInstaller	40 Mon 08:18	GENERIC PE&O OFSS Support Use
oraofss@whf0 File Edit View Search Terminal	Prerequisite Checks	Oracle Unified Directory Installation - S	Step 5 of 8	
Password: Sorry, try again. Password: sudo: 2 incorrect password attr [cnoafosgehrf0bbrq 0AM-0UD2]\$. bash: : filename argument requ [cnoafosgehrf0bbrq 0AM-0UD2]\$. [cnoafosgehrf0bbrq 0AM-0UD2]\$. [cnoafosgehrf0bbrq 0UD]\$ /scratt ar Launcher Log file is /tmp/OraIr 16-53AM.log. Extracting the installer Checking if CPU speed is above Checking swap space: must be g Checking if this platform requi ot required)	Prerequisite Checks Installation Summary Installation Progress	Loo Checking operating system certification Checking Java version used to launch the is		are
Preparing to launch the Oracle 1.08-16-53M Log: /tmp/OraInstall2017-09-11	Help	Step Berun Ster Wiew	< Back Next > Emish Cancel	

5. Click **Next** after the Prerequisites Check is successfully completed.

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oraofss@whf0 File Edit View Search Terminal assword: oraofss@whf0Brq 04M-0UD21\$ sasword: usage: silename argument requirement randss@whf0Bbrq 04M-01D21\$ isage: filename argument requirement randss@whf0Bbrq 04M-01D21\$ isage: isage	Oracle Unified Directory Installation - Step Install Oracle Unified Directory Installation Location Oracle Home Location: /scratch/S50/Oracle2/M Log File Location. /mp/Oranstal/2017-09-11_08 	USION MIDDLEWARE	X X X X Core Lbat Description Descrip	
5g: /tmp/0raInstall2017-09-11		Save Response File Select install to accept the above options and start the i To change the above options before starting the installa pane or use the Back button.		left

6. Review the Installation Summery and click Install.

Applications Places	rsman-oio-oioc-OiocOneClio	kinstaller		40	Mon 08:20	GENERIC PE&O OFSS Support Use
<pre>araptications Places araofss@whf0 File Edit View Search Terminal Password: Sorry, try again. Password: sudo: 2 incorrect password att [oraofss@whf00brq 0AH-0UD2]\$ c bash: .: filename [argument req .: usage: . filename [argument req .: usage: . filename [argument req .: usage: . filename [argument red loraofss@whf00brq 0UD2]\$ c [oraofss@whf00brq 0UD2]\$ c [oraofss@whf00brq 0UD2]\$ c toraofss@whf00brq 0UD2]\$ c [oraofss@whf00brq 0UD2]\$ c cassed toraofsg@whf00brq 0UD2]\$ c [oraofss@whf00brq 0UD2]\$ c [ora</pre>	OMOUR2	Oracle Unified Directory Installation - Step 7 of 8			× v ¢	
	Heb Heb	View Messag		w Successful Tasks Hardware and S Engineered to Wor Cack Next > En	k Together	extop [™] → I [™]

7. Click **Next** when all the steps are marked with green ticks.



8. Click Finish.

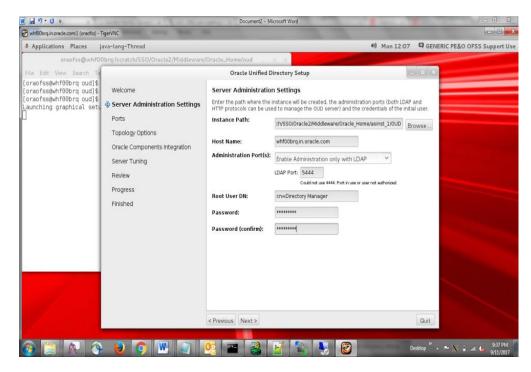
3.3 OUD Setup Steps

2. Click Next.

1. Open cmd (Command Prompt) as Administrator in *oracle_home\oud* folder and run **oud-setup.bat** file.

Applications Places	ava-lang-Thread	ৰণ) Mon O	9:10 GENERIC PE&O OFSS Support Us
	oud	_ 0 X	
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File Edit View Search Ta ash: /scratch/oraofss/ ash: /scratch/oraofss/ oraofss@whf00brq oud]\$ oraofss@whf00brq oud]\$ aunching graphical setu	Veccome Server Administration Settings Ports Topology Options Oracle Components Integration Server Tuning Review Progress Finished	Welcome The Oracle Unified Directory Setup tool will ask you for some basic server and dat configuration settings and will get your server up and running quickly.	a Resiliency Ac ServiceMBean> Resiliency Ac the server n Resiliency Ac timeServiceMBe Resiliency Ac Resiliency Ac Resiliency Ac ralue: true>
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3.Enter the **Host Name, LDAP Port & Password** and click **Next.** Keep a note of Root User DN, administration port this will be used further.



4. Enable LDAP and LDAPS, enter Port Numbers. Select Generate Self-Signed Certificate and click Next. Keep a note of LDAP Port this will be used further.

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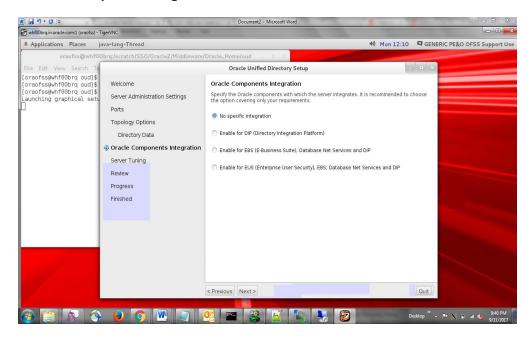
5. Select This will be a stand alone server. Click Next.

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6. In Directory Base DN, set **dc=oblm**, **dc=com**. Select **Import Automatically-Generated Sample Data**. Set **Number of User Entries** to 1000 and click **Next**. Keep a note of Directory Base DN this will be used further.

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7. Select No Specific Integration and click Next.



8. Click Next.

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[oraofss@whf00brq oud]\$ [oraofss@whf00brq oud]\$ [Launching graphical setu	Velcome Server Administration Settings Ports Topology Options Oracle Components Integration ♦ Server Tuning Review Progress Finished	Server Tuning Select how you want the OUD server to be tuned. The default proposed settings are calculated based on the free machine and the data to be generated automatically. This is this not have special requirements. You can change these settings command-line. Options: Providing the Memory to be used for OUD ♥ The OUD server will be tuned based on the amount of memory process and the estimated memory that will be required for the off-line tools (such as import-diff) will use the same Java heap System Memory: 29.47 G8 Dedicated Machine for OUD 1.01 GB (30.45% of System Memory): 1.01 GB (OUD Java Heap Size) + 0.01 GB (Estimated File 255 MB 768 MB 1 GB 150 GB 3 GB 6 GB Reset to Default	e recommended value (f yc later using the 'dstune' y you want to use for it. Th wa heap size of the OUD helle system cache. The size as the OUD server.	
1		Data Memory Requirements You have chosen to generate sample data (1000 entries).		
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9. Review the summery, check **Start Server when Configuration has Completed** and click **Finish.**

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10. Once complete click **Close.**

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3.4 OUD Domain Creation Steps

- 1. Create RCU as given in step 2.3.1
- 2. Open cmd (Command Prompt) as Administrator in oracle_home\oracle_common\common\bin folder and run **config.cmd** file. Enter the path where you want to create the domain and the domain name (**For ex.** oud_domain).

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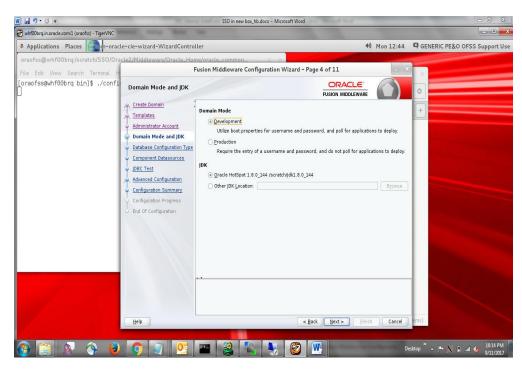
- 3. Select the Templates as given below:
 - Basic Weblogic Server Domain 12.2.1.3.0 [wlserver]
 - Oracle Unified Directory Services Manager 12.2.1.3.0 [oud]
 - Oracle JRF 12.2.1.3.0 [oracle_common]

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4. Enter Name and Password, this credentials will be used to login into OUD Domain Console. Please remember this User Name and Password as these will be used in many places.

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5. Select Development as Domain Mode and latest JDK. Click Next.



- Database Configuration Type Screen will appear, Select RCU Data. Give the RCU (Repository Creation Utility) Details that you have created already for OUD. Enter the rest of the details as follows:
 - Vendor: Oracle
 - Driver: Oracle's Driver (Thin) for Service connections
 - DBMS/Service: Enter the Service Name of your DB
 - Host Name: Enter the IP address of the system where your DB is installed
 - *Port:* Enter the Port Number of your DB
 - Schema Owner: Enter the Schema Owner created while RCU setup with suffix _STB. Here DEV6 is the Schema Owner, suffix with _STB it will be DEV6_STB as Schema Owner
 - Schema Password: Enter the password as given while creating the RCU

Click on Get RCU Configuration, if successfully done move to Next Step.

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7. Click Next.

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		WLS Schema	OBLMDB	10.184.155.233	1521	DEV6 WLS RU		
		OPSS Audit Schema	OBLMDB	10.184.155.233	1521	DEV6 IAU APP		
		OPSS Audit Viewer So	OBLMDB	10.184.155.233	1521	DEV6_IAU_VIE		
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8. Click **Next** once JDBC Test for all the components are successfully.

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- 9. Enter the following details and leave other fields empty:
 - Server Name: AdminServer
 - Listen Address: All Local Addresses
 - Listen Port: Enter any port number which is not in use (For ex. 8001)

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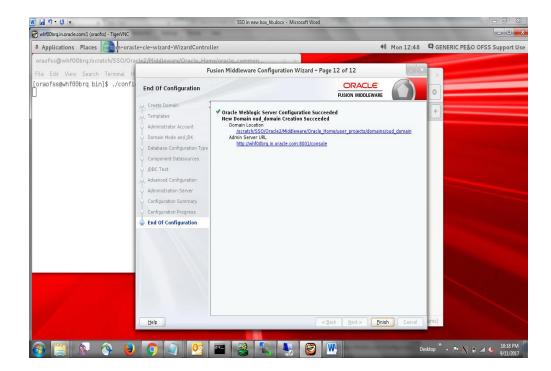
10. Review the Configuration Summary and click Create.

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11. Click **Next** once the configuration completes successfully.

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12. Take a note of the newly created domain details and click Finish.



3.5 Steps for OUDSM Status Checking

- 1. Open cmd (Command Prompt) as Administrator in OUD installed path (For ex. ...\oracle_home\asinst_1\OUD\bat) and run **start-ds or start-ds.bat** file.
- 2. Run status.bat

Enter choice as 1

Click enter in the administrator field

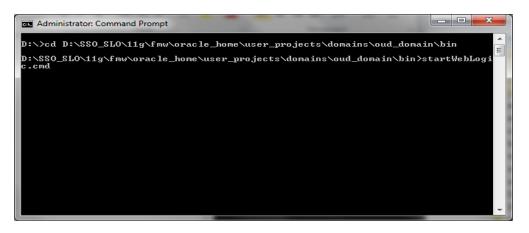
Type password and hit enter

Check server run status is started, Idap and Idaps are enabled

Administrator:	C:\Windows\sys	tem32\cmd.exe		3.5	514
D:\OIM\Weblog	gic_12C\oud	\bat>status.ba	ıt		
>>>> Specify	Oracle Uni	fied Directory	LDAP connection	parameters	
How do you wa	ant to trus	t the server o	ertificate?		
2) Use a	matically t a truststor ally valida	e			
Enter choice	[3]: 1				
Administrato	r user bind	DN [cn=Direct	ory Manager]:		
Password for	user 'cn=D	irectory Manag	er':		
<u> </u>	- Server St	atus			
Server Run St		Started			
Open Connect:	ions:	1			
Host Name:	- Server De	UASAKKUM-PC			
Administrativ	Leave -	cn=Director			
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Instance Patl		D:\OIM\Web]	ogic_12C\asinst_	1 NOUD	
Version:		Oracle Unif	ied Directory 12		
Java Version	=	1.8.0_144			
Administratio	on Connecto	r: Port 4444 (LDAPS>		
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	: LDAP	: Enabled			
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Base DN: Backend ID:	dc=oblm,dc userRoot	-com			
Entries:	1002				
Replication:					
D:\OIM\Weblog	gic_12C\oud	\bat>			

3. Open cmd (Command Prompt) as Administrator in **OUD Domain path** (For ex. ...\oracle_home\user_projects\domains\oud_domain\bin) and run startWeblogic.cmd file.

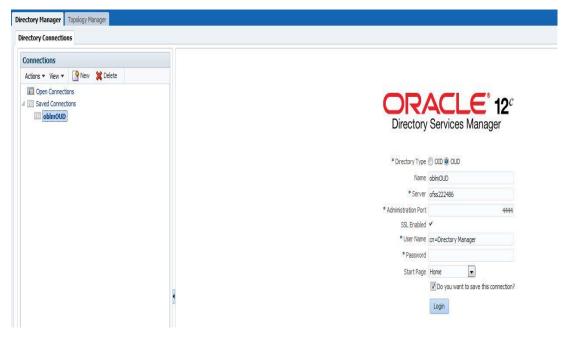
(startweblogic.sh in case of linux)



4. After the server moves into Running Mode, open the following link in any web browser.

http://<IP_Address>:<OUD_Port_No>/oudsm/faces/odsm.jspx

5. Enter name as **oblmOUD**, enter server name, User Name and Password, administration port same as given during OUD domain creation and click **Login**.



6. Click on Yes, trust always.

Summary of Deployment × 🕒 ODSM	× 📼		- 0 - X
ORACLE Directory Services Manager			Open Connections + Accessibility + Help Reset Session
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7. Click on **Data Browser** tab, the username and password maintained here will be used as SSO credentials. Go to organizational information and select password and change password.

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4. OHS Installation

4.1 Introduction

This chapter details out the installation steps for Oracle HTTP Server (OHS).

4.2 Installation Steps

- 1. Install **FMW 12.2.1.3.0.infrastructure.jar** following the steps mentioned in Section 2 giving another different **oracle_home** path other than previous install. This will be used solely for OHS' purpose.
- 2.Run OHS installation file setup_fmw_12.2.1.3.0_ohs_win64.exe.

3. Click Next.



4. Select Skip Auto Updates

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Help < Back Host > Brish Cancel	File Edit View Search Terminal 1 777216 Passed Checking if this platform requi- ot required) Checking this platform requi- ot required) Checking temp space: must be gi Preparing to launch the Oracle 8 (65-44-57AM Lög: /tmp/OraInstall2017-09-18 Logs successfully copied to /si (craofss@hf@bbrg sudump)\$ cd ([oraofss@hf@bbrg oXM=002]\$. Louncher Log file is /tmp/OraIn 52-33AM.log. Checking if CPU speed is above Checking unitor: must be conf. 777216 Passed Checking sup space: must be g Checking if this platform requi ot required) Checking temp space: must be g Preparing to launch the Oracle 8 (65-52-33AM	Auto Updates	Oracle HTTP Server Installation - Step 2 of 9	MEDLEWARE	II 2213.0.
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5. Enter Oracle Home path (**ohs_home**), where you have installed FMW middleware and click **Next**.

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6. Select Collocated HTTP Server (Managed through weblogic server) option and click Next.



7. Enter jdk home path and click Next.

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8. Click Next after the Prerequisites Check is successfully completed.

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9. Review the Installation Summary and click Install.



10. Click **Next** once installation is done.

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11. Review the details and click **Finish.**



4.3 OHS Domain Creation Steps

 Navigate to ...\ohs_home\oracle_common\common\bin\ folder in the cmd >set QS_TEMPLATES=<path-to-wls_jrf.jar>

(For ex. set QS_TEMPLATES=D:\fmw\ohs_home\wlserver\common\templates\wls\wls_jrf.jar) execute qs_config.cmd file.

Enter Name, Password, Domain Location, Port Numbers and click Create.

NOTE: Use port numbers which are currently not in use. Linux users do the following

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For Linux set as below

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2. Click Next after configuration finishes.

oraafss@whf00brg!srztch/S50/Oracle2/Middleware/OHS_Home/oracle_common/c	whf00brq.in.oracle.com/2 (oraofss) - TigerVNC Applications Places Place p-oracle	e-cie-wizard-WizardContr	oller	40 Mon 06:00	GENERIC PE&O OFSS Support Us
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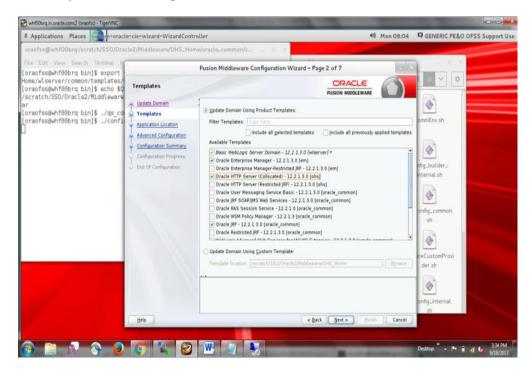
3. Review the domain details and click Finish.

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Hep < Each Hed > Deish Cancel >1		Help	< [lack Next >	Enish Cancel	sh.

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5. Select Update an existing domain, enter Domain Location of ohs_domain and click Next.

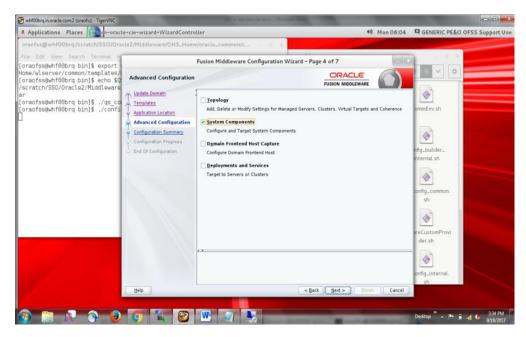


6. Select the following templates and click Next.

- Oracle enterprise manager
- Basic Weblogic Server Domain 12.2.1.3.0 [wlserver]
- Oracle HTTP Server (Collocated) 12.2.1.3.0 [ohs]
- Oracle JRF 12.2.1.3.0 [oracle_common]
- Oracle Coherence Cluster Extension 12.2.1.3.0 [wlserver]

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7. Click Next.



8. Select System Components and click Next.

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9. Add system component and click Next.

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[oraofss@whf00brq bin]\$./confi	Application Location	System Component	Component Type	Restart Interval Seconds	Restart Delay Seconds	ommEnv.sh	
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10. Enter the details as given below and click **Next**:

- System Components: ohs_SystemComponent_1
- Admin Host: keep default
- Admin Port: 7779
- Listen Address: Host Name of the system(Ex ofss222486)
- Listen Port: 7777
- SSL Listen Port: 4443
- Server Name: <u>http://<listen Address>:7777</u>

NOTE: Use these port numbers if they are currently not in use.

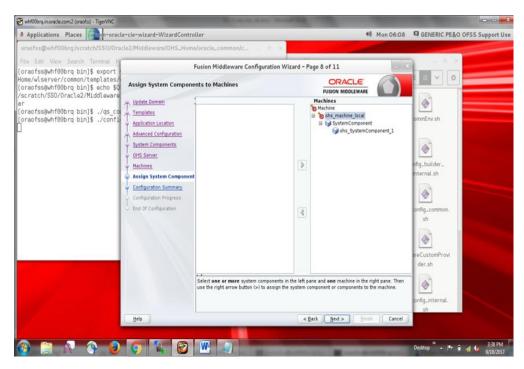
OHS Server				
<u>Update Domain</u> <u>Templates</u> <u>Advanced Configuration</u>	System Component	ons_system component_1		-
System Components OHS Server	Admin Host Admin Port	127.0.0.1		
<u>Machines</u> <u>Configuration Summary</u>	Listen Address	ofss222486		
Configuration Progress End Of Configuration	Listen Port SSL Listen Port	4443		
	Server Name	http://ofss222486:7777		
Help			< Back Next > Eini:	sh Cancel

- 11. Click **Add** button and enter the following details: If UNIX machine click on unix machine and click add
 - *Name:* ohs_machine_local
 - Node Manager Listen Address: localhost
 - Node Manager Listen Port: 5557

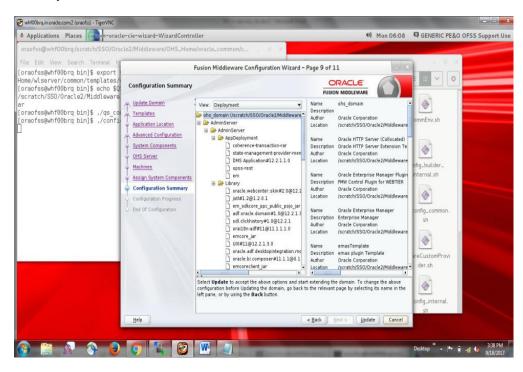
NOTE: Use port numbers which are currently not in use.

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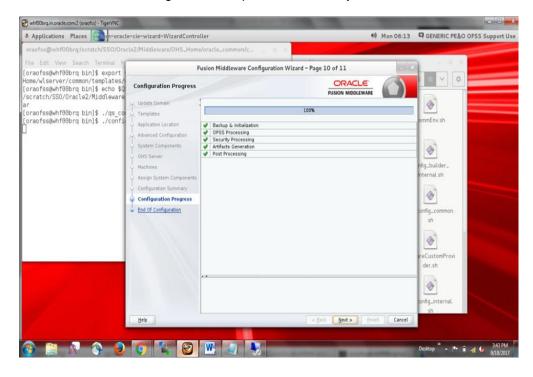
12. Assign system component to ohs_machine_local and click Next.



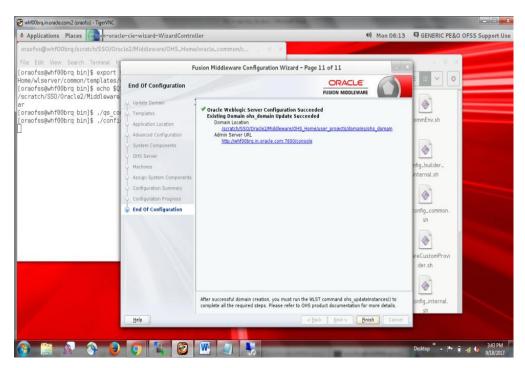
13. Click Update.



14. Click **Next** after the configuration completes successfully.



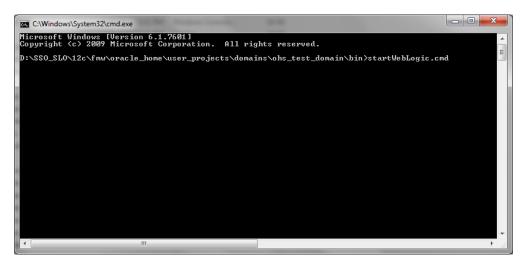
15. Review the domain details and click Next.



16. Click Finish.

4.4 OHS Configuration Steps

1. Open cmd (Command Prompt) as Administrator in OHS domain bin path (**For ex.** ...\ohs_home\user_projects\domains\ohs_domain\bin) and run **startWeblogic.cmd.**



2. After the server moves into Running Mode, open another command prompt at the same location and run **startNodeManager.cmd** file.



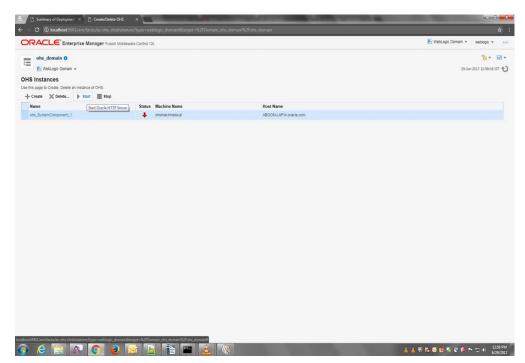
3. Open the following link in any web browser and login.

http://<ip_address>:<ohs_port>/em/faces

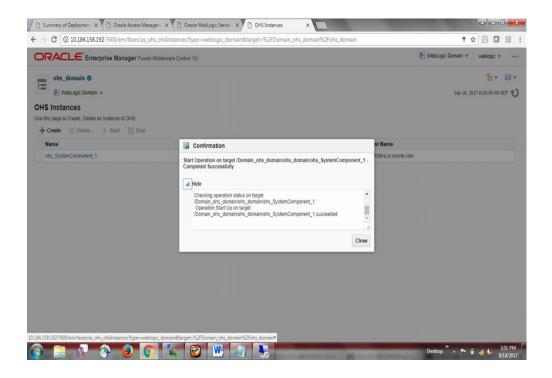
4. Click on Weblogic -> Administration -> ohs instances.

OR/	ACLE [®] Enterprise Manage	r Fusion Middlewar	e Control 12c				🔚 WebLogic Doma	n 🔻 weblogic 🔻	
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	Control	•	Host ofss222486.in.	oracle.com					
	Logs	• L	isten Port 9001						
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	Deployments	Ge	neral Settings	v G					
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	Messaging	▶ Jav	a Persistence API (JPA)	Cluster	Machine	State	Health	Listen Port	CPU
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	Other Services	⊳ он	S Instances						
	Administration	No	tes					_	
	Refresh WebLogic Domain				III				+
	Security		Columns Hidden 34					Servers 1	of 1

5. Click on OHS_SystemComponent and click start



6. Close the Confirmation Message box.



 Click on ohs_SystemComponent_1. Click on Oracle HTTP Server -> Administration -> mod_wl_ohs Configuration in the new page.

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						Table Mew

8. Select radio button Provide weblogic server host and port details and Click on the Search button of **Weblogic Host**, select **AdminServer** and click **OK**.

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🐻 Oracle HTTP Server 👻	Start Up Shut Down	30-Jun-2017 17/45/20
formation	require a server restart to take effect.	
d_wl_ohs Configura	ation	Apply R
VebLogic Host are defined, We Provide WebLogic Cluster Deta	bLogic Cluster will be used. alls Provide WebLogic Server Host and Po	o Cracle WebLopic Bener: Specify parameters common for all URLs directed to the mod_all_one handler, and use the Math/Expression and Location sections to specify any overrides. If both WebLopic Chark in
WebLogic Host	٩	Select WebLogic Server X
WebLogic Port		This table lists Gracle WebLogic servers in current domain. Select the server to which you want to route traffic.
	Dynamic Server List ON	Server Name Host Port
Error Page		AdminServer localhost 9001
WebLogic Temp Directory		OK Cancel
Exclude Path or Mime Type		
Match Expressions		
+ Add Row 🗙 Remov	ve	
Expression		
No data to display		
STIP * jsp WebLogicHost=	xpresssion can have the following value: myHost/WebLogicPort=7001/PathPrepend=	
ocations		

- 9. In the Match Expression section enter the following:
 - *.jsf
 - *.jspx
 - *.html
 - * **
 - *.*
 - **

In the Locations section enter the following:

• GLM

Click Apply.

I_wI_ohs Config							
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Expression							
*.jsf							
*.jspx							
*.html							
* **							
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For example Mat	chExpresssion can have the followir ost=myHost WebLogicPort=7001 Pa	ng value:					
*.jsp WebLogicH	ost=myHost WebLogicPort=7001 Pa	athPrepend=/test2					
cations							
	he valid WebLogic server end point lo	cations. This will update any exis	ting location with t	he same name a	nd add all the new locations to the below	table.	
Add Row 🗙 Re	move 🕂 Auto Fill						
	WebLogic Cluster	WebLogic Host	WebLogic	Path Trim	Path Prefix		
location	WebLogie cluster	Trobeogle Host	Port	r dar min			
Location							
SampleApp							

10. Restart OHS component by clicking on **Oracle HTTP Server ->control -> Restart...**

DA		A Manager Com	fathering Archive 174	🔚 WebLogc Domain * 🛛 weblogc * 🛶
			NUMBER OF OF ALL	
	ohs_SystemComp			🎦 * 🗃
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All .	Logs	Shut Down	t to take effect.	
	PortUsage	Restart		
d	Administration			Apply Reven
G	Security I			
10	Target Sitemap	equests to be prov	tom an Oracle HTTP Server to Oracle WebLopic Server. Specify parameters common for all URLs direct	ted to the mod_wi_ons handler, and use the MatchExpression and Location sections to specify any overrides. If both WebLogic Cluster
Pi	Target Information	Logic Cluster will b	eed. gic Server Host and Port Details	
	Error Page bLogic Temp Directory tode Path or Mime Type		LIN ON	
Matci	h Expressions			
+	Add Row 🗙 Remo	ve		
6	xpression			
	* [st			

11. Open cmd (Command Prompt) as Administrator and navigate to the path\ohs_home\webgate\ohs\tools\deployWebGate and execute the following command.

>deployWebGateInstance.bat -w <path_to_ohs_SystemComponent_1> -oh
<path_to_ohs_home>

(For ex. >deployWebGateInstance.bat -w

D:\SSO\fmw\ohs_home\user_projects\domains\ohs_domain\config\fmwconfig\components\O HS\instances\ohs_SystemComponent_1 -oh D:\SSO\fmw\ohs_home)



NOTE: Linux users refer the following screenshot.



12. Edit path variable of system environment variables to add oracle home path. (This step for windows machine only)

Ce: Dat "W D': Socurnty funtwrofracte_from mwconfig'e components/OHS instances to Lind MET I System Rogerts Formace Formace Use fulles Use fulles Det full	hs_SystemCom	4 3 5 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	E 1\bin; details	Properties Imme How Remain 12. B J 1	-
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13. For Windows machine only Open cmd (Command Prompt) as Administrator and navigate to the path ...\ohs_home\webgate\ohs\tools\EditHttpConf and execute the following command.

>set PATH=%PATH%;<path_to_ohs_home/bin>;<path_to_ohs_lib>;

(For ex. >set

PATH=%PATH%;D:\SSO\fmw\ohs_home\bin;D:\SSO\fmw\ohs_home\webgate\ohs\lib)

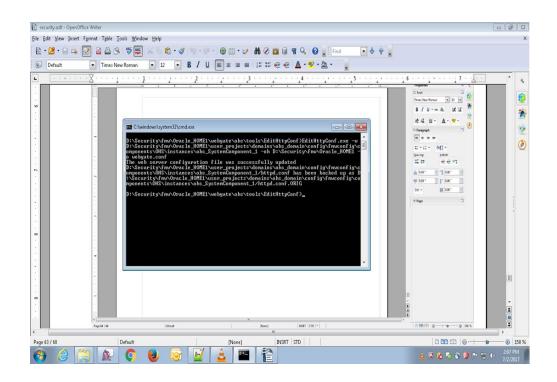
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14. For Windows machine only Execute the following command in the same cmd window.

>EditHttpConf.exe -w <path_to_ohs_SystemComponent_1> -oh <path_to_ohs_home -o
webgate.conf >

(>EditHttpConf.exe -w <path to

ohs_oracle_home>/user_projects/domains/OHS_domain/config/fmwconfig/co
mponents/OHS/instances/OHS_SystemComponent_1 -oh cont_ohs_oracle_home> -o webgate.conf >
)



15. For linux machine only

Open terminal navigate to path ohs_home\webgate\ohs\tools\setup\installtools and

set LD_LIBRARY_PATH cpath to ohs_oracle_home>/bin: cpath to
ohs_oracle_home>/webgate/ohs/lib: cpath to ohs_oracle_home>/lib:

and then execute command

>EditHttpConf.exe -w <path to
ohs_oracle_home>/user_projects/domains/OHS_domain/config/fmwconfig/co
mponents/OHS/instances/OHS_SystemComponent_1 -oh <path_to_
ohs_oracle_home> -o webgate.conf >

As below

[bij@ofss220180 InstallTools]\$ setenv LD LIBRARY PATH /scratch/Softwares/INSTALL /OHS_WEBLOGIC_12/bin:/scratch/Softwares/INSTALL/OHS_WEBLOGIC_12/webgate/ohs/lib: /scratch/Softwares/INSTALL/OHS_WEBLOGIC_12/lib [bij@ofss220180 InstallTools]\$ echo \$LD_LIBRARY_PATH /scratch/Softwares/INSTALL/OHS_WEBLOGIC_12/bin:/scratch/Softwares/INSTALL/OHS_WE BLOGIC_12/webgate/ohs/lib:/scratch/Softwares/INSTALL/OHS_WEBLOGIC_12/lib [bij@ofss220180 InstallTools]\$./EditHttpConf -w /scratch/Softwares/INSTALL/OHS_ WEBLOGIC_12/user_projects/domains/OHS_domain/config/fmwconfig/components/OHS/ins tances/ohs_SystemComponent_1 -oh /scratch/Softwares/INSTALL/OHS_WEBLOGIC_12 -o w ebgate.conf The web server configuration file was successfully updated /scratch/Softwares/INSTALL/OHS_WEBLOGIC_12/user_projects/domains/OHS_domain/conf ig/fmwconfig/components/OHS/instances/ohs_SystemComponent_1/httpd.conf has been backed up as /scratch/Softwares/INSTALL/OHS_WEBLOGIC_12/user_projects/domains/OHS

16. Go to path

onf.ORIG

...\ohs_home\user_projects\domains\ohs_domain\config\fmwconfig\components\OHS\ instances\ohs_SystemComponent_1 and edit httpd.conf file using Notepad.

	nstances > ohs_SystemComponent_1 >	✓ 4y Search of	hs_SystemComponent	
File Edit View Tools Help				
Organize 👻 Include in library 👻 Sh	are with 👻 New folder			
in 🍝	Name	Date modified	Туре	Size
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Judiagnostics	Reystores Moduleconf Webgate	8/28/2017 12:53 PM 8/28/2017 12:53 PM 8/28/2017 1:06 PM	File folder File folder	
🎍 arisidprovider 🎴 bootstrap 🎴 carml	.content_init .ohs_instance	8/28/2017 12:54 PM 8/28/2017 12:53 PM	CONTENT_INIT File OHS_INSTANCE File	
Components	admin.conf auditconfig.xml component_events.xml	8/28/2017 1:00 PM 8/28/2017 1:00 PM 8/28/2017 12:53 PM	CONF File XML Document XML Document	1 K 1 K 3 K
instances ohs_Syst mbeans	component-logs.xml	8/28/2017 12:53 PM 8/28/2017 4:30 PM	XML Document CONF File	2 K 39 K
Inscins inscins inscins ohs_System inscins ohs_System	httpd.conf.ORIG	8/28/2017 1:00 PM 8/28/2017 12:53 PM	ORIG File File	39 K 13 K
Dogging ↓ Iogging ↓ mbeans	mime.types mod_wl_ohs.conf ohs.plugins.nodemanager.properties	8/28/2017 12:53 PM 8/30/2017 11:22 AM 8/28/2017 12:53 PM	TYPES File CONF File PROPERTIES File	52 K 1 K 7 K
ovd server-config- servers	ssi.conf webgate.conf	8/28/2017 1:00 PM 8/28/2017 1:18 PM	CONF File CONF File	4 K 3 K
Jidbc	٠ [•
21 items				

Include the admin virtual host (Proxy Virtual Host) related configuration include "admin.conf"

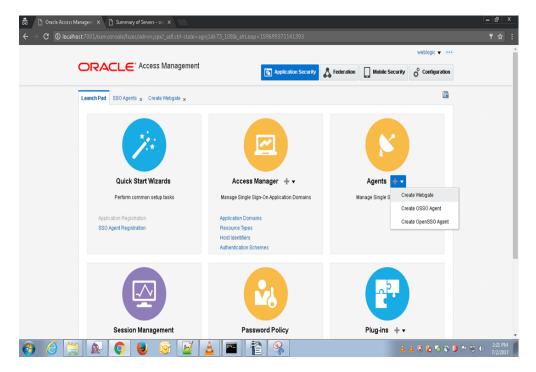
```
IncludeOptional "moduleconf/*.conf"
include "webgate.conf"
```

17. Add the last line of the above screenshot (include "webgate.conf")at the bottom of the httpd.conf file.

18. Also add the line (include "webgate.conf") to httpd file present in ohs_home\user_projects\domains\ohs_domain\config\fmwconfig\components\OHS \ohs_SystemComponent_1

4.5 Steps to Register Webgate

1. Open the following link in any web browser and login to OAM console. http://<ip_address>:<oim_port>/oamconsole



2. Go to **Agents** and click on **Create Webgate**.

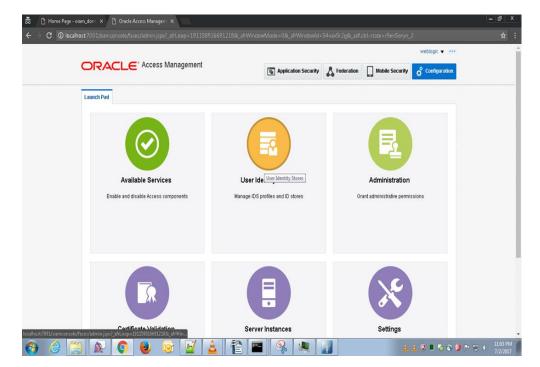
Name: Give name as host name (Ex ofss222486) Base URL : should be same server name in step 4.3.10 Click apply

aunch Pad Create Webgate	×					
ccess Manager >						
Create Webgate						Ap
	ter an OAM Agent. Before you	register, ensure that at least one O	M Server is running in the sam	e mode as the Age	nt to be registe	ered.
*			* Security	Open		
Name	ofss222486			Simple		
Description		Enter the Base URLs for Agent		Cert		
Base URL	http://ofss222486:7777	L	Virtual host			
			Auto Create Policies			
			IP Validation			
Access Client Password			IP validation			
Host Identifier	ofss222486					
User Defined Parameters						
esource Lists						
Cooline Lists						
Protected Resou	rce List	Add Delete	Public Resource List		Add	Delete
Relative URI			Relative URI			
/**			No data to display			

- Copy and paste wallet, cwallet.sso and ObAccessClient.xml from
 "...\oracle_home\user_projects\domains\oim_domain\output\localhost" to
 "...\ohs_home\user_projects\domains\ohs_domain\config\fmwconfig\components\OHS\instan ces\ohs_SystemComponent_1\webgate\config" folder.
- 4. Restart **ohs_system_component** from OHS console (<u>http://<ip_address>:<ohs_port>/em/faces</u>)

4.6 Steps to External LDAP in OAM

1. Login into OAM console., go to configuration



2. Click on User Identity Stores launch icon.

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User la	lentity Stores							
⊿ Defaul	t and System Store						Apply	
	[*] Default Sto	UserIdentityStore1 *						
	* System Sto	e UserldentityStore1 •						
	ID Stores						Sync IDS Profiles	
Manage lo	al User Identity Stores.	This includes IDS Profiles that	are synchronized by usi	ng Sync IDS Profiles button.				
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∡ Ident	ity Directory Servic	e						
	ectory Service is a comm nagement after they are	on service used by Oracle Ider synchronized.	ntity Management produ	cts to access and manage lo	dentity Directory. The I	DS Profiles can be used	within Oracle	
localhost:7001/oamconsole/faces/admin.js	xx?_afrLoop=1911589166	1218&_afrWindowMode=0&_a	frWindowid=54vav5r2g8	k_adf.ctrl-state=r9en5oryn_2#				• • • • 11:03 PM
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- 3. Click on Create button of OAM ID Stores section.
- 4. Here OAM will be connected with OUD

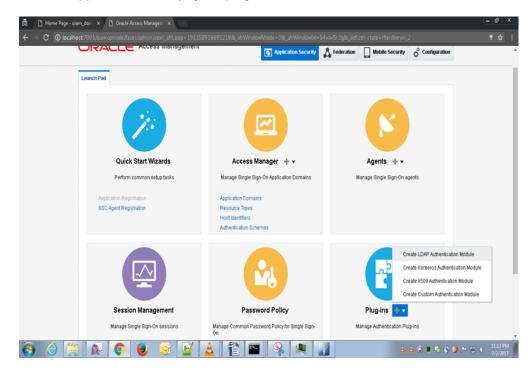
Location should be Host name:port where port is the Idap port number given during 3.3 oud setup steps step no 4, BIND DN(cn=Directory Manager), and user search base and group search base as (ou=People,dc=oblm,dc=com)

DRAC	TLE	Access Mana	igement	Application Se	ecurity	A Feder	ration	🛱 Configur	ration
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Configuration >	6								
oud User	Identi	ity Store Service	•		Du	uplicate	Fest Conne	ection Ap	ply
Store Name	oud				📄 Ena	ble SSL			
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Description	oud in 1	12c		Prefetched Attributes					
A Location	and C	redentials							
* L	ocation	ofss222486:1389		* Password	•••••	•			
* 1	Bind DN	cn=Directory Manager							
📕 Users an	nd Grou	sdr							
		* Login ID Attribute	uid						
	Use	r Password Attribute	userPassword						
		* User Search Base	ou=People,dc=oblm,dc=o	com					
	User	Filter Object Classes							
	(Group Name Attribute							
		* Group Search Base	ou=People,dc=oblm,dc=o	com					

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← → C () localhost:7001/oam.console/faces/								የ 🕁 ፤
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🔏 Location and Cred	entials							
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	* Login ID Attribute	uid						
	User Password Attribute	userPassword						
	* User Search Base	ou=People,dc=obml,do	:=com					
	User Filter Object Classes							
	Group Name Attribute							
	* Group Search Base	ou=People,dc=obml,dd	c=com					
	Group Filter Classes							
Enable Group Members	hip Cache							
Group Members	ship Cache Maximum Size							
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Click on test connection. Connection status should be successful

5. Click on Application security, go to plugins and click on create LDAP authentication module.



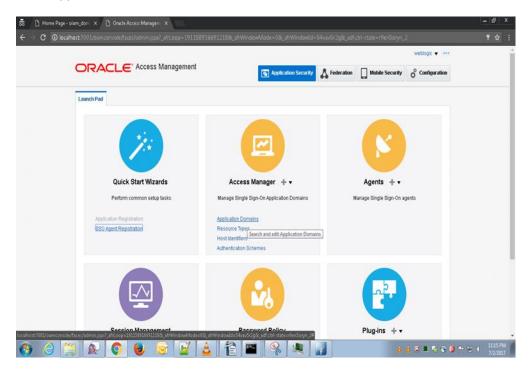
User identity store as oud and click apply

Give name as oudLDAP

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🗧 👌 🕻 🗑 localhost 7001/bam.console/faces/admin.jspx2_afril.oop=1911589166912188; afrWindowMidde=08; afrWindowMid=54vav/5r2g8; adf.ctrl-state=r9er5orym_2	
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CRACLE [®] Access Management	
Launch Pad Create LDAP Authenticatio x	
Access Wanager >	
Create LDAP Authentication Module LDAP Authentication Module Apply	
Use the LDAP Authentication module for Basic and Form challenge methods. It matches the credentials (username and password) of the user who requests a resource to a user definition stored in an LDAP directory server.	
*Name oudLDAP	
* User Identity Store oud •	
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ORACLE [®] Access Management Image: Application Security Application Security Application Security Application Security	
Launch Pad oudLDAP x	
Access Manager >	
OUGLDAP LDAP Authentication Module Deplicate Apply	
Use the LDAP Authentication module for Basic and Form challenge methods. It matches the credentials (username and password) of the user who requests a resource to a user definition stored in an LDAP directory server.	
© Confirmation X	
LDAP Authentication Module oudLDAP created successfully.	
* Name outLDAP	
* User Identity Store oud •	
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6. Go to application domain and click search



Click on the webgate name u have given during 4.5.2 (Ex: ofss222486)

	Application Security
Launch Pad Application Domain ×	63
Search Application Domains Use the search tool to find an existing Application Domain or click to A Search Name Name	+ Create Application Domain button to create a new one.
Search Results	
Actions View + Create / Edit X Delete	Detach Description
1 ABOON-LAP in oracle com	Application Domain created through Remote Registration
2 Fusion Apps Integration	Policy objects enabling integration with Oracle Fusion Applications
3 IAM Suite	Policy objects enabling OAM Agent to protect deployed IAM Suite applications
4 localhost	Application Domain created through Remote Registration
5 ohswebgade	Application Domain created through Remote Registration

Click on resources tab and click on search

				2188_shWindowMode=08_	afrWindowld=54vav5r2g8c_adf.cb	n-state=r9en5oryn_2	_
ORA	CLE	Access Mana	igement	The Application	tion Security	Mobile Security	1
Launch Pad	Application D	omain _x localho	ost x			13	
Access N	Kanager ×						
localhos	Application	Domain					
Application D	omain provide	s a logical container	r for resources or sets of	fresources, and the associated	policies that dictate who can access s	specific protected resources.	
Summary	Resources	Authentication Pol	icies Authorization Po	licies Token Issuance Policie	s Administration		
Use the sea	arch tool to find	an existing Resour	ce or click the New Res	ource button to create a new one	i.		
.⊿ Sea	arch						
	Resource Typ	HTTP		Query String			
				and the first state			
	Host Identifie	a.	A	uthentication Policy	•		
	Resource UF	L.		Authorization Policy	*		
						Search Reset	
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	lesource						
	ype	Host Identifier	Resource URL	Query String	Authentication Policy	Authorization Policy	
1 H	ITTP	localhost	/GLM**		Protected Resource Policy	Protected Resource Policy	
2 H	ITTP	localhost	/GLM*		Protected Resource Policy	Protected Resource Policy	
3 H	ITTP	localhost	/SampleApp/**		Protected Resource Policy	Protected Resource Policy	
4 H	ITTP	localhost	/SampleApp*		Protected Resource Policy	Protected Resource Policy	
Columns	Hidden 2						

7. Create resources with resource url /GLM/** , /GLM/*.* , /GLM* , /GLMServcies/** , /GLMServcies/*.* .

ORACL	E Access Management	Application Security	
Launch Pad oudL	AP × Application Domain × localhost × Create Resource ×	6	
Access Manager >			
Use the following scr	IFCE RESOURCE even to define a Resource and the URL prefix that identifies the resource (docum bination of a resource URL, Query String, and a host identifier must be unique a	Apply ent or entity stored on a server. Individual resource URLs need not be unique across scross domains.	
	* Туре НТТР		
	Description		
	Host Identifier locathost Q		
al Uni			
• 6	esource URL /GLM**		
	Query Name Value list String		
	Query	+ Add 🔀 Delete	
	Name Value		
	No Data to Display		
✓ Operations			
	Operations Available 🛛 All		
	Ø GET		
	POST		
	I HEAD I TRACE		
⊿ Protection	8 Indie		
* Pr	otection Level Protected		
Authen	tication Policy Protected Resource Policy		
Autho	rization Policy Protected Resource Policy		
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4-79 | P a g e

 Click on application domain select the domain and click authorization policy Click on protected resource policy and click on Click on conditions and add condition as below

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ORACLE Access Management		Application Security	Federation Mobile S	ecurity of Configuration	
Launch Pad Application Domain $_{\mathbf{X}}$ localhost $_{\mathbf{X}}$ localhost	Protected Res ×	localhost : Protected Res x			
Access Manager >					
Protected Resource Policy Authorization Policy				Duplicate Apply	
Authorization policy contains a set of conditions that define wheth conditions apply to all resources within a specific Authorization po Summary Resources Conditions Rules Responses	Add Condit		e resources protected by the policy. A	uthorization rules and	
View + Add / Edit X Delete	* Name	user			
Name Type	* Type	Identity •			
TRUE True	Description	userBasedAuthZ	e.		
		Add Selected Cancel			
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Under condition details click add and select users and groups

Search users and add users as below (these are the sso users maintained in *http://<IP_Address>:<OUD_Port_No>/oudsm/faces/odsm.jspx*)

Access Manager >	-	_			The second secon
Protected Resource				×	Duplicate Apply
Authorization policy contains a conditions apply to all resource	⊿ Search	sers and/or group	ps to add to the curren	it condition.	thorization rules and
Summary Resources C	Store Name	oud			
View 👻 🕂 Add 🥒	Entity Type	User •			
Name	Entity Name				
user	charge reality				
TRUE				Search Reset	
	View 🔻				
	Entity Name	Entity Type	Store Name	Distinguished Name	
	user.0	User	oud	uld=user.0,ou=people,dc=obmt,dc=com	
	user.1	User	oud	uid=user1,ou=people,dc=obml,dc=com	
Condition Details : us	user.2	User	oud	uid=user.2,ou=people,dc=obml,dc=com	
View 👻 🕂 Add 🔻	user.3	User	oud	uid=user.3,ou=people,dc=obml,dc=com	
Entity Name	user.4	User	oud	uid=user.4,ou=people,dc=obml,dc=com	tore Name
No user or group selected	user.5	User	oud	uid=user.5,ou=people,dc=obml,dc=com	
	user.6	User	oud	uid=user.6,ou=people,dc=obml_dc=com	
	user.7	User	oud	uid=user.7,ou=people,dc=obml,dc=com	
	user.8	User	oud	uid=user.8,ou=people,dc=obml,dc=com	
	user.9	User	oud	uid=user.9,ou=people,dc=obml,dc=com	
				Add Selected Cancel	

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Protec	s Manager > ted Resou on policy contain apply to all reso	is a set of condi	tions that (define wheth	er a user shou	uld be permitted or denied acce	ess to the reso	urces protected by the	Duplicate he policy. Authorization rules and	Apply d
	nfirmation ization Policy, Pre	otected Resourc	e Policy, n	nodified suc	cessfully					×
Summar		Conditions		Responses						
Name	•			Тур	8	Description				
user				Iden		userBasedAuthZ				
TRUE				True		This condition always evaluat	ides to true.			
Cond	ition Details	: user								
View	+ Add	▼ / Edit	💢 Del	lete						
Entity	Name							Entity Type	Store Name	
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Go to the Rules tab and change as below

Access Manager >		
Protected Resource Policy Authorization Policy Authorization policy contains a set of conditions that define wheth	er a user should be permitted or denied access to the resources protected	Duplicate Apply by the policy Authorization rules and
conditions apply to all resources within a specific Authorization p Summary Resources Conditions Rules Response		
* Rule Mode 🛞 Simple 🔘 Expression		
Tune navee · Sandre · Expression		
⊿ Allow Rule		
Match All selected conditions Any of the selected con Available Conditions	itions Selected Conditions	
TRUE (True)	user (identity)	
	»	
	«	
/ Deny Rule		
Match All selected conditions Any of the selected conditions		
Available Conditions TRUE (True)	Selected Conditions	
user (identity)		
user (identity)	»	

Click apply and goto responses

Add response as below

ORACLE Access Mar	agement			Application Security	A Federation	Mobile Securi	ity 🧳 Cor	nfiguration
Launch Pad Application Domain 🗙 local	host _X localhost	: Protecte	d Res x localho	st : Protected Res 🗙	1			
Access Manager >								
Protected Resource Policy Authorization policy contains a set of condition	is that define whe	Add Res	nonse	,	sources protecter	d by the policy. Author	Duplicate ization rules ar	Contraction of the second seco
conditions apply to all resources within a spe Summary Resources Conditions R	citic Authorization	* Type						
		* Name						
Identity Assertion This will cause an assertion to be gener	ited for the user, i	[\$user attr givenName					
Responses + Add / Edit	100 C	* Value						
Name			dentity Assertion has his policy. Enable Ide	not been enabled for ntity Assertion in order				
This Policy does not have any Respons	es	t	o collect Assertion At	Add Cancel				
		-			4			
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Add another response as below and click apply

nch Pad Application Domain \times localhost \times	localhost : Protected Res ×						(
Access Manager > otected Resource Policy Authorize						Duplicate	
norization policy contains a set of conditions that of ditions apply to all resources within a specific Aut ummary Resources Conditions Rules	thorization policy.	armitted or denied a	access to the r	esources protecte	a by the policy. Author	ization rules an	Id
minary Resources Conditions Rules	Responses						
Identity Assertion This will cause an assertion to be generated for	Edit Response		× low.				
a terretaria de la constante d	Edit Response Type Header		× low.				
This will cause an assertion to be generated for	Lan nesponse		× low.				
This will cause an assertion to be generated for Responses + Add / Edit X De	Type Header		× low.				
This will cause an assertion to be generated for Responses + Add / Edit X De Name DN	Type Header Name DN		^				

9. Goto authentication policies

			Application	n Security	& Federation	Mobile Secur	ity 🧔 Con	figuratio
on Domain 🗴 localhost 🗴	localhost : Protec	ted Res × loc	calhost : Protecte	ed Res 🗴				
ines the type of verification that	must be performe		icient level of trus	st for Access	Manager to grant a	access to the user ma	Duplicate aking the reque	Apply st. A
tected Resource Policy			Succe	ss URL				
icy set during domain creation. his policy to protect them.	Add resources		Failu	IRE URL				
100-h		sponse		×				
4PScheme	* Type	Header	•					
ses Advanced Rules	* Name	DN	Val	lue				
n ssertion to be generated for the	* Value e user, c	\$user. <u>attruid</u>						
🕇 Add 🧪 Edit 🗙 Delet	е							
		uns policy. Enable	Add	Cancel	/alue			
	urce Policy Authentica ines the type of verification that need to protect one or more resi- lected Resource Policy cy set during domain creation. is policy to protect them. VPScheme Advanced Rules	urce Policy Authentication Policy Ines the type of verification that must be performe ned to protect one or more resources in the Applic lected Resource Policy cy set during domain creation. Add resources is policy to protect them. Add Re UPScheme Advanced Rules Advanced Rules Advanced Rules Advanced Rules Advanced for the user, or Add Value	urce Policy Authentication Policy Ines the type of verification that must be performed to provide a sufficience of more resources in the Application Domain. Interded Resource Policy cy set during domain creation. Add resources is policy to protect them. PScheme Advanced Rules Advanced Rules	urce Policy Authentication Policy Ines the type of verification that must be performed to provide a sufficient level of true let de protect one or more resources in the Application Domain. Leted Resource Policy Succe cy set during domain creation. Add resources Failure urspective protect them. Add Response Advanced Rules h see Advanced Rules h seetion to be generated for the user, Add / Edit × Delete Identity Assertion has not been er this policy: Enable Identity Assertion Add Response Value Suser.agtruid Identity Assertion has not been er this policy: Enable Identity Assertion Add	urce Policy Authentication Policy Ines the type of verification that must be performed to provide a sufficient level of trust for Access tected Resource Policy Success URL tected Resource Policy Success URL cy set during domain creation. Add resources Policy to protect them. Add Response	urce Policy Authentication Policy Ines the type of verification that must be performed to provide a sufficient level of trust for Access Manager to grant the do provide one or more resources in the Application Domain. Interded Resource Policy Success URL Cy Set during domain creation. Add resources Failure URL Add Response Type Header Name DN Value Suscent Success Value Add Cancel Add Can	urce Policy Authentication Policy Ines the type of verification that must be performed to provide a sufficient level of trust for Access Manager to grant access to the user must be do protect one or more resources in the Application Domain. Interded Resource Policy Success URL Cy set during domain creation. Add resources Failure URL PScheme Add Response Yuge Header Name DN Value Suser attruice Add Cancel Add Cancel Add Cancel	urce Policy Authentication Policy Duplicate Ines the type of verification that must be performed to provide a sufficient level of trust for Access Manager to grant access to the user making the requence to protect one or more resources in the Application Domain. Success URL Image: Comparison of the user making the requence of the user making the requence of the user making the requence of more resources in the Application Domain. Interded Resource Policy Success URL Image: Comparison of the user making the requence of the user of the spolicy to protect them. VPScheme Image: Comparison of the user

Goto Launchpad click authentication modules and click search and select LDAP

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Launch Pad Authentication Module	s x LDAP x						
Access Manager >							
LDAP LDAP Authentication Modu			21 M - 17 2003 -			Duplicate Apply	
Use the LDAP Authentication module definition stored in an LDAP directory		je methods. It mat	ches the credentials (usernam	e and password) of the	user who requests a res	ource to a user	
Confirmation						×	
LDAP Authentication Module LDAP	^o modified successfully.						
* Name	LDAP						
* User Identity Store	oud 🔻						
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10. Configure OHS security realms.

Click myrealm

How do I						
Configure new security realms						
Enable automatic realm restart						
Delete security realms						
Change the default security realm						
System Status						l
Health of Running Servers						
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ORACLE WebLogic Server A				1		~
Change Center	Home Log Out Preferences 🗠 Record Help		Welcome, weblogi	ic Connected	d to: ohs_d	omain
View changes and restarts	Home >Summary of Security Realms >myrealm >Providers					
Configuration editing is enabled. Future changes will automatically be activated as you	Settings for myrealm					
modify, add or delate items in this down'r	Conferentian Universed Courses Dates and Datains Conducted Managings Date					
moully, aux or delete items in this domain.	Configuration Users and Groups Roles and Policies Credential Mappings Pr	oviders Migration				
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11. Restart Adminserver, Node Manager and OHS instance.

5. Configuration in OBLM

1.In **smtb_sso_details** table set **SSO_FLAG as E, OHS _PORT** as OHS listener port , OBLMUSER_ID_LDAP as DN , **Logout URL** as hostname:port(oam_server managed server port)/oam/server/logout, OAM_RESPONSE_TYPE as HEADER

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2.In **sstb_user** and **smtb_user** table map LDAP user. This can also be done during user creation in the application.

3. In UI ear in fcubs.properties file change SSO properties as below:

SINGLE SIGN ON PROPERTIES ##### PASSWORD_EXTERNAL=Y SSO_KEY=DN LDAP_DOMAIN=I-FLEX.COM LDAP_SERVER_URL=LDAP://localhost:1389 SSO_REQ=Y SECURITY_AUTHENTICATION=Simple AUTH_TYPE=LDAP LDAP_SSL_ENABLED=N LDAPSERVER_TIMEOUT=0 EXT_USERLOGIN=Y

4. In host ear in host.config.properties change port to OHS_listener port (ex 7777)

5. Deploy the application in OHS Server, configure data source, queues in server

6. Access the application using OHS listen port.

(Ex: ofss222486:7777/GLM/faces/LoginPage.jspx)

Enter the sso username and password

(SSO username can be created , deleted , updated in http://<IP_Address>:<OUD_Port_No>/oudsm/faces/odsm.jspx)

ORACLE Access Manager		
	Enter your Single Sig	Welcome n-On credentials below
	Username:	user.0
	Password:	
		Login



Select a function to start!

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ORACLE

SSO Configuration Oracle Banking Liquidity Management Version 14.1.0.0.0 [May] [2018]

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