

Application Setup
Oracle Banking Liquidity Management
Release 14.1.0.0.0
[May] [2018]



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1. Weblogic Domain Server Configuration

1.1 Introduction

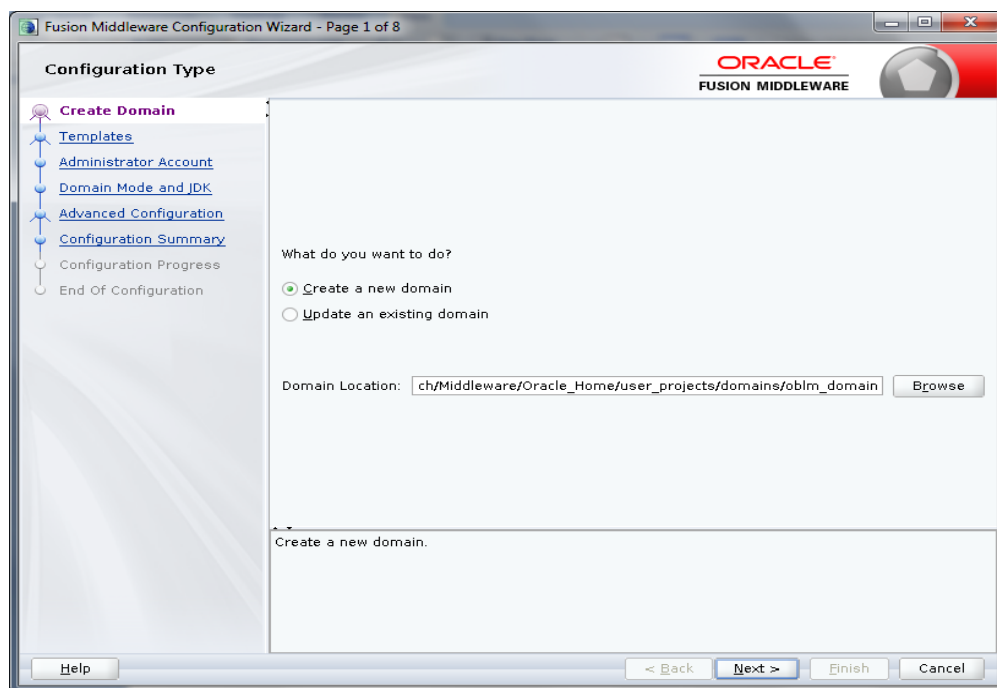
This chapter details out the configuration of Oracle Weblogic Domain server.

Prerequisite: Weblogic Server should be installed.

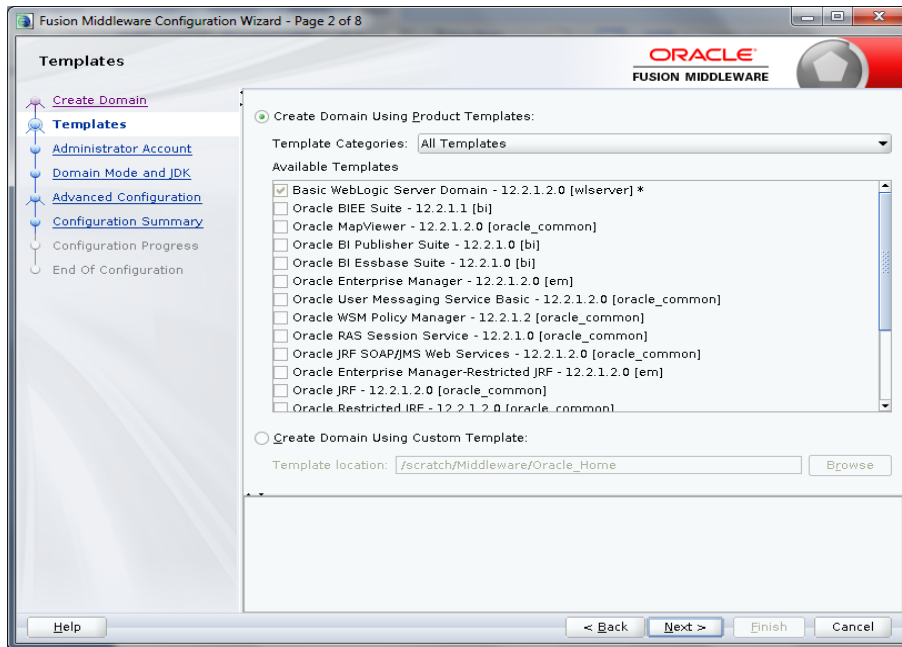
1.2 Steps to be followed for Weblogic Domain Server

To create a new domain

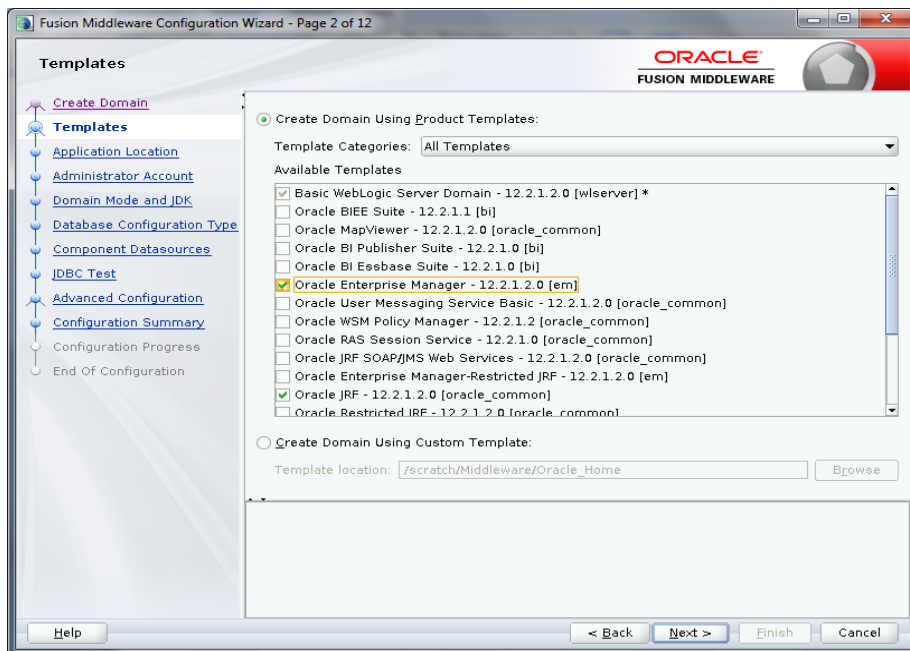
1. Open any Linux client e.g. Putty
2. Go to Oracle Home path where Weblogic server is installed Eg.
/scratch/Middleware/Oracle_Home/oracle_common/common/bin
3. Now Execute config.sh,
4. Following Screen should appear, Click on **Create Domain** and select Create a new domain e.g. *oblm_domain* and Next.



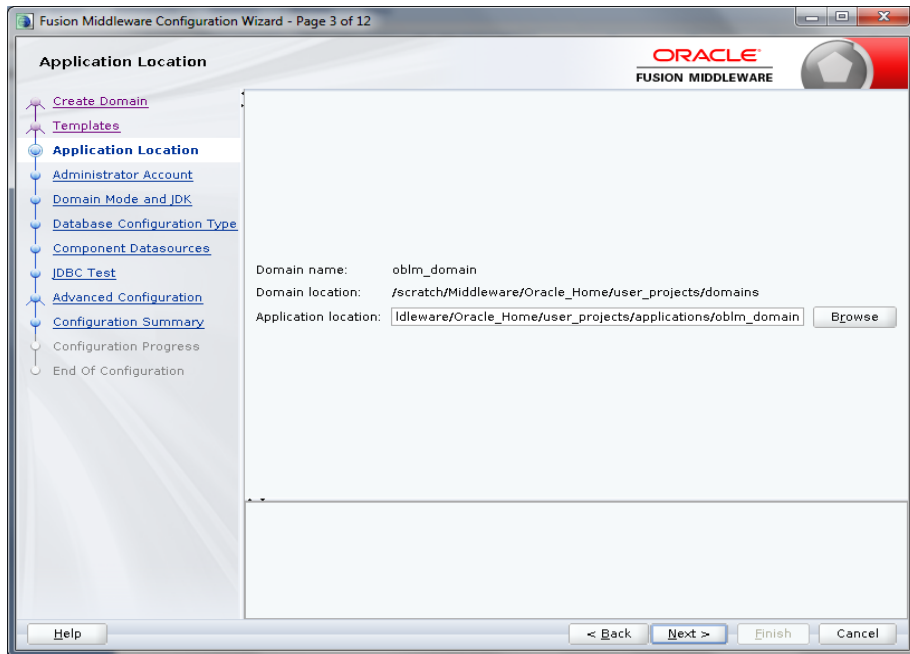
5. Below Screen will appear



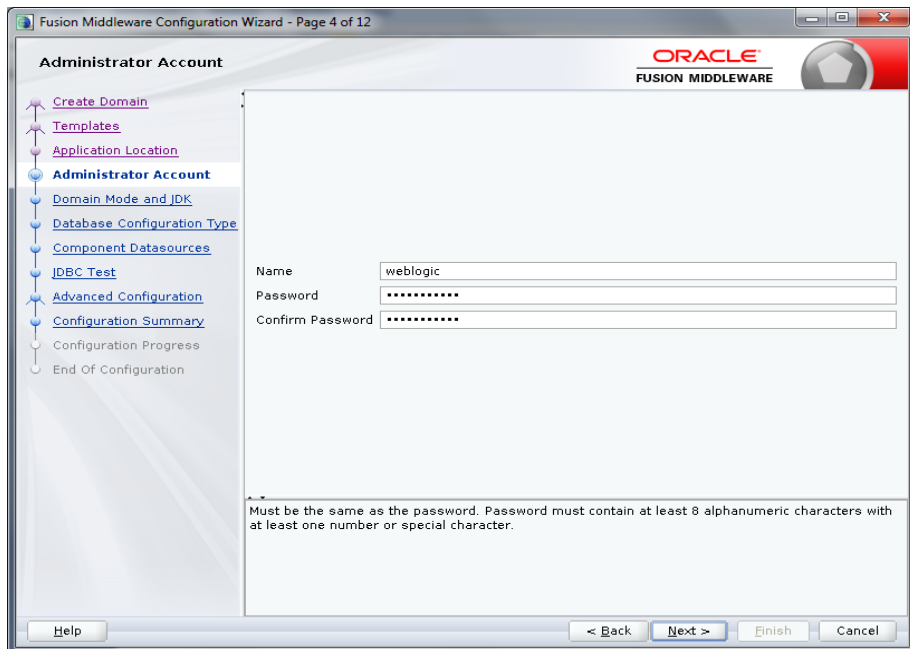
6. By default **Basic Weblogic Server Domain** are enabled. Additionally, Choose **Oracle Enterprise Manager - 12.2.1.2.0 [em]**, this in turn will choose **Oracle JRF - 12.2.1.2.0[oracle_common]** and **Weblogic Coherence Cluster Extension – 12.2.1.2.0 [wlserver]** and click **Next**.



7. Following Screen will appear, Review it and Click **Next**.

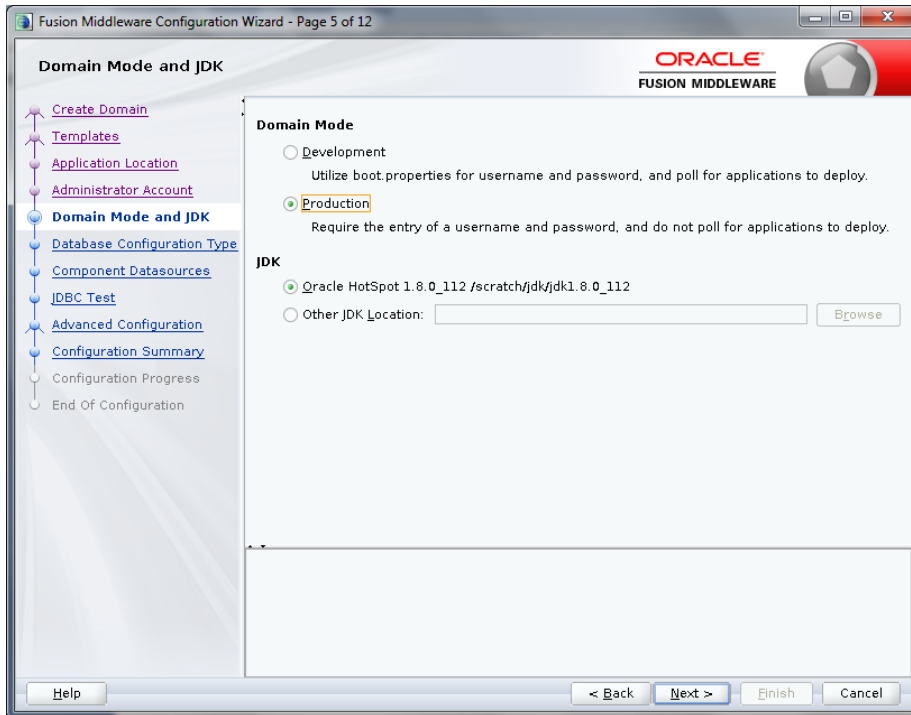


8. In Administrator Account screen enter 'weblogic' in Name box. Enter and confirm any suitable password and confirm password for Weblogic and click **Next**. **Please remember this User Name and Password as these will be used in many places.**

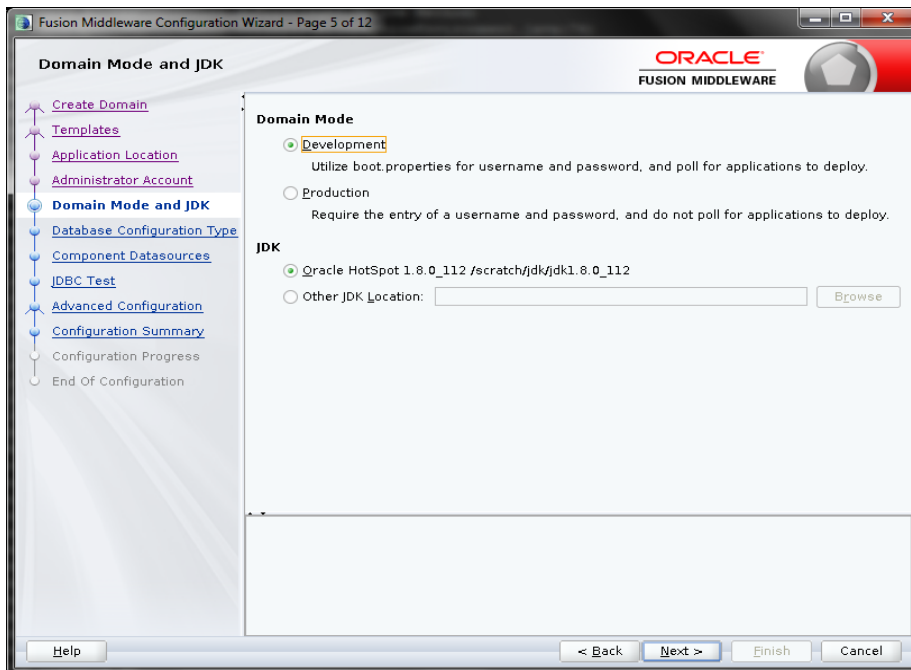


9. Domain Mode and JDK screen will appear, Now choose either the Development Mode or Production Mode.

While choosing Production Mode, select production under **Domain Mode**



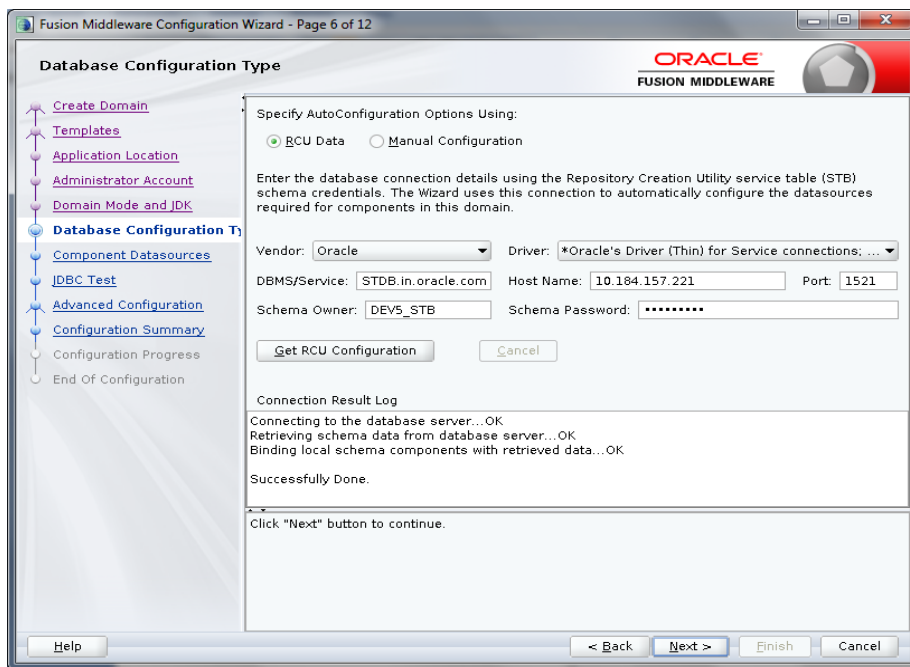
While choosing Development Mode, select Development under **Domain Mode**.



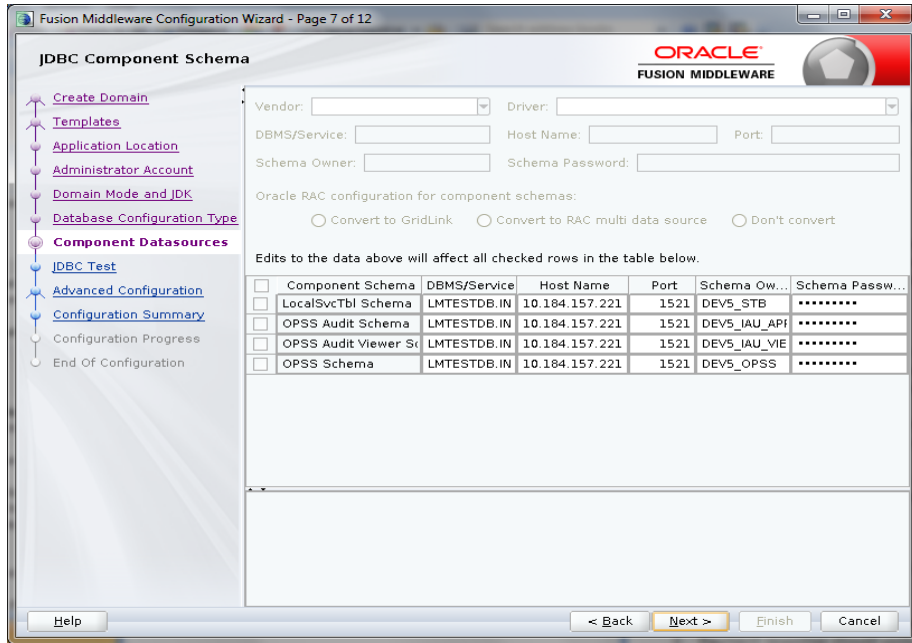
10. Database Configuration Type Screen will appear, Select **RCU Data**. Give the RCU (Repository Creation Utility) Details that you have created already. **If not created use the Repository Creation Utility Manual and Create a Schema Owner**. Enter the rest of the details as follows:

- *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 DEV5 is the Schema Owner, suffix with **_STB** it will be DEV5_STB as Schema Owner
- *Schema Password:* Enter the password as given while creating the RCU

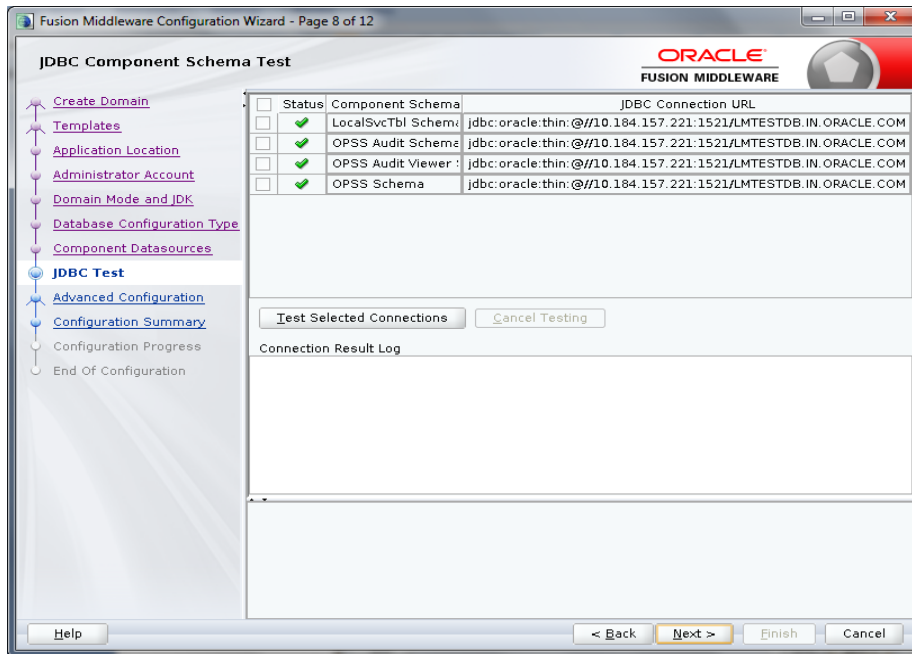
Click on **Get RCU Configuration**, if successfully done move to **Next Step**.



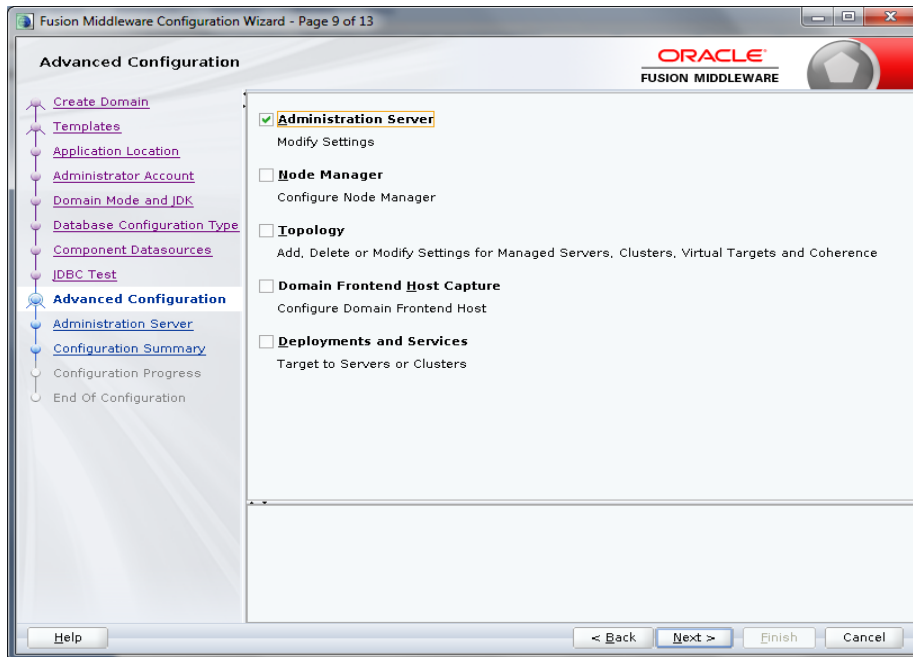
11. Now Component Data Sources screen will appear. Following data will appear on the screen. Following data will appear on the screen. Click **Next**.



12. JDBC Test screen will appear. Following data will appear on the screen, review it. Click **Next**.



13. Advanced Configuration screen will appear. Tick in front of Administration Server and click on **Next**.



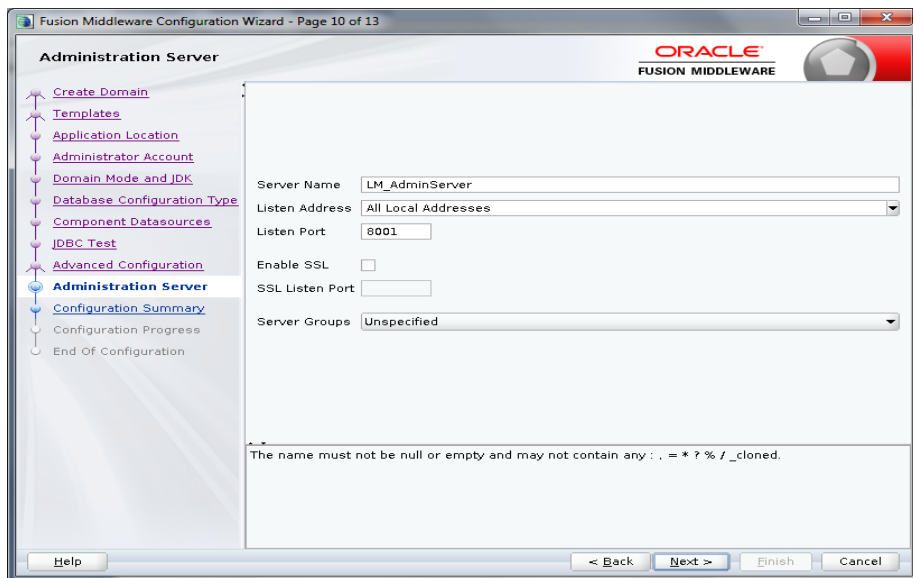
14. Administration Server screen will appear. Give the following details in the screen.

Server Name: LM_AdminServer

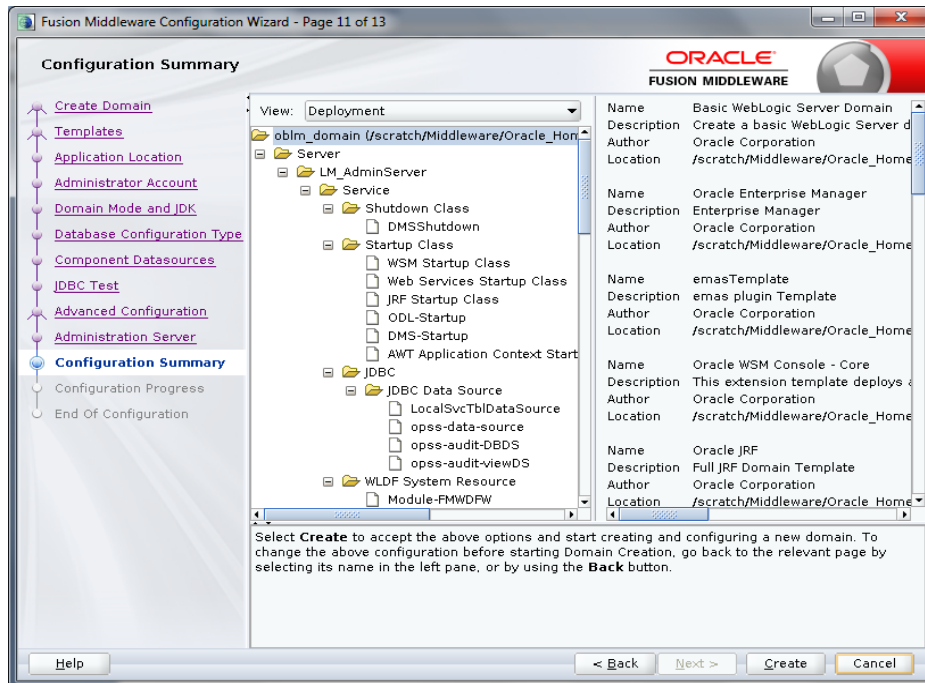
Listen Address: Select 'All Local Addresses'

Listen Port: 8001

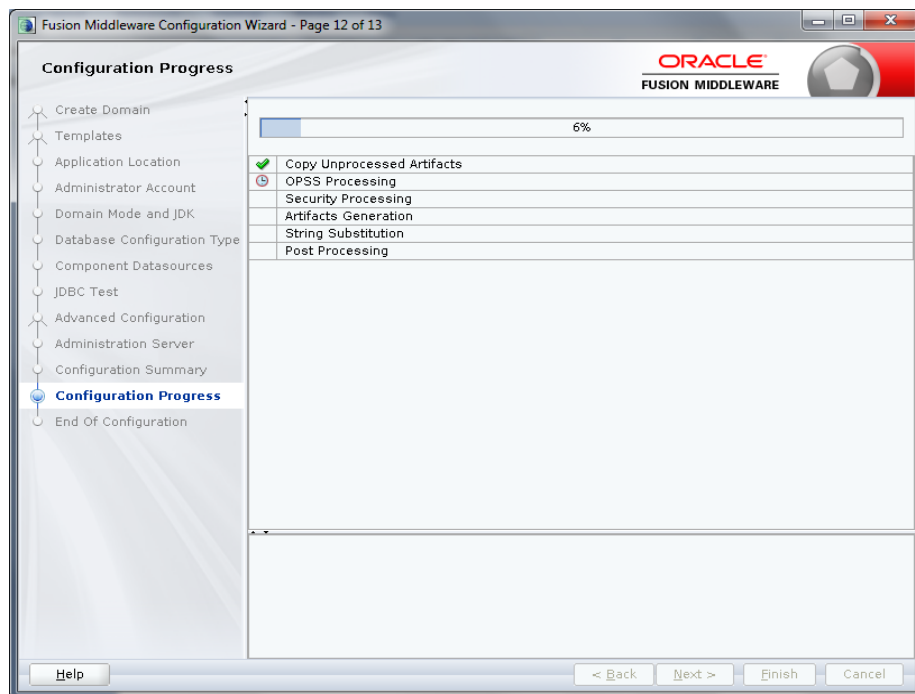
Server Groups: unspecified

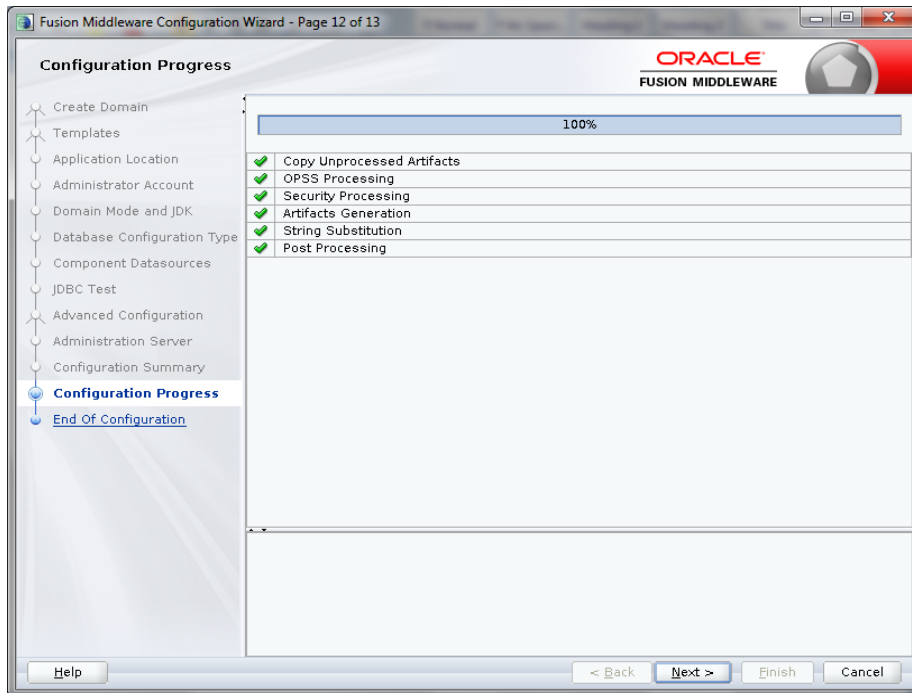


15. Configuration Summary screen will appear. Review and click **Create**.

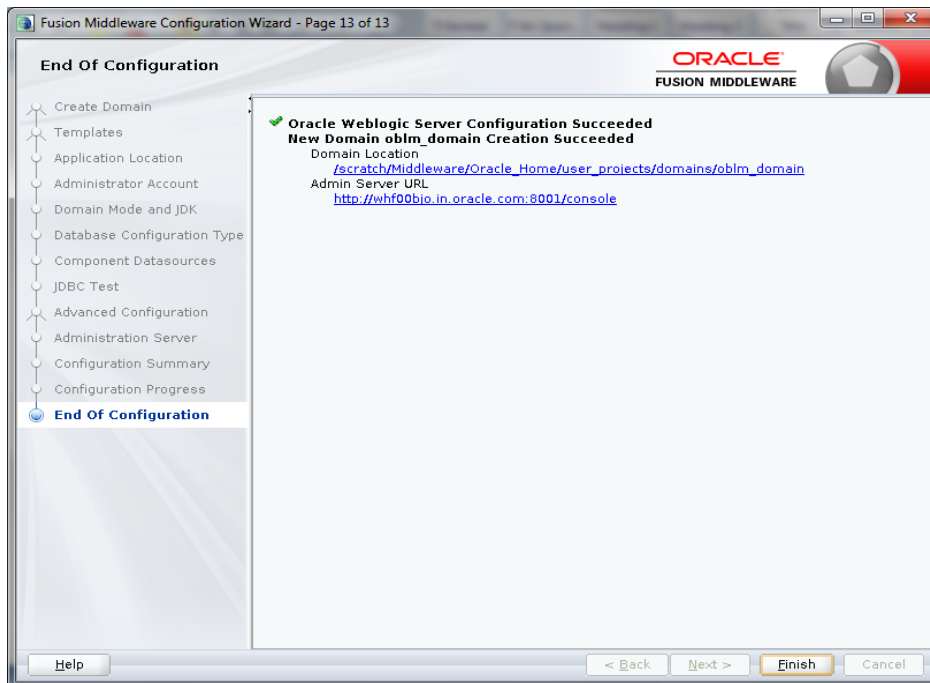


16. Now the following screens will come





17. End of configuration screen will come and click **finish**.



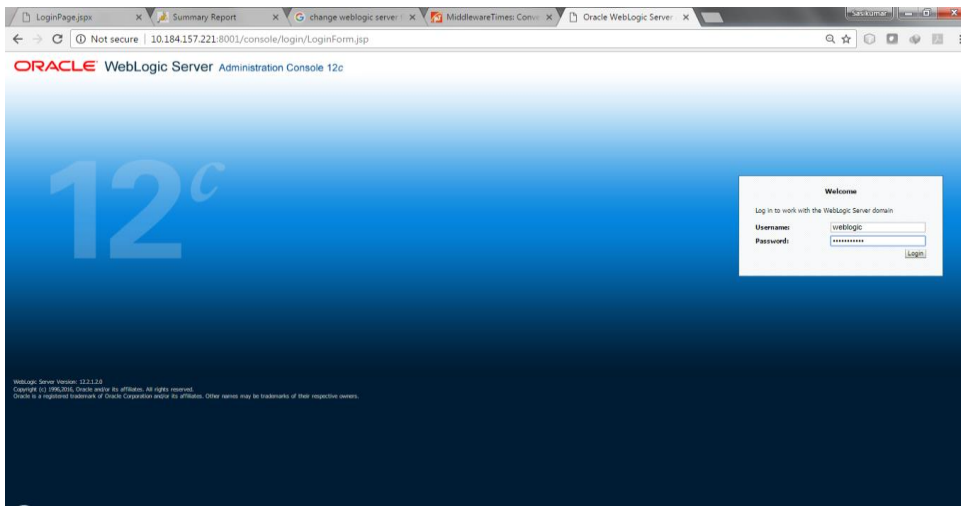
2. Liquidity Management Application Configuration

2.1 Introduction

In this part basically, we will do configuration of Weblogic Administrative console.

2.2 Steps to be followed for configuration of Administrative console

1. Give the credential in the console page that you have set in Administrator Account screen.



2. Now we can see home screen. In home screen in the left side you will find Domain Structure column. Go to Environment and click on sever under that.

Name	Type	Cluster	Machine	State	Health	Listen Port
AdminServer(admin)	Configured			RUNNING	OK	8001

10.184.157.221:8001/console/console.portal?_nfpb=true&_pageLabel=CoreServerServerTablePage

2.2.1 Create Managed Server

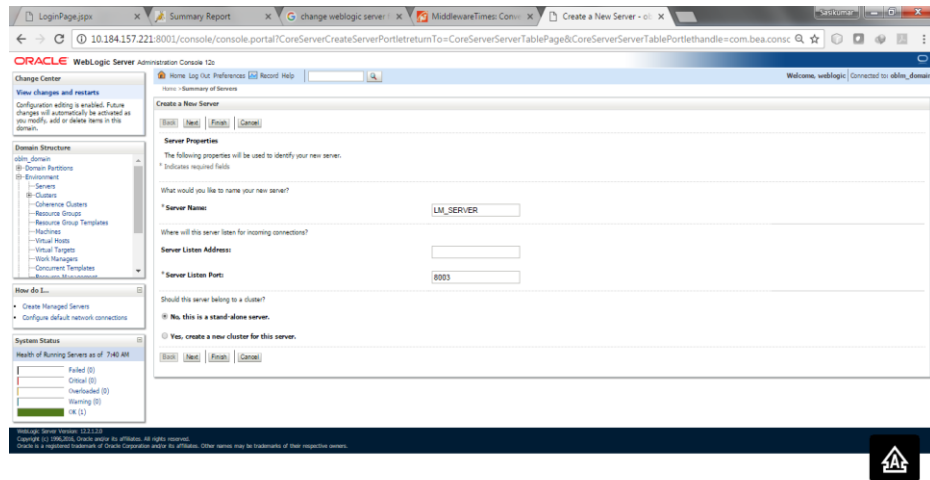
1. Click on **New** to create a new server.

Enter the following details.

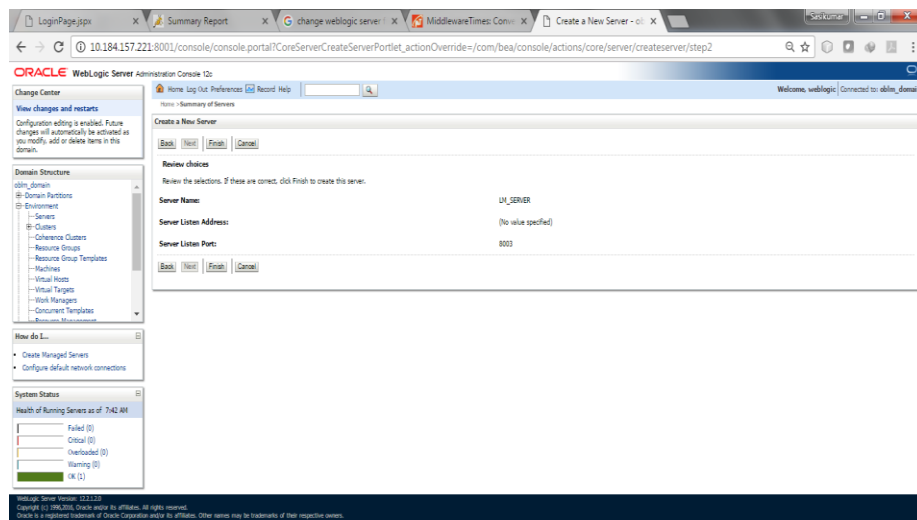
Server Name : LM_SERVER

Server Listen Port: 8003

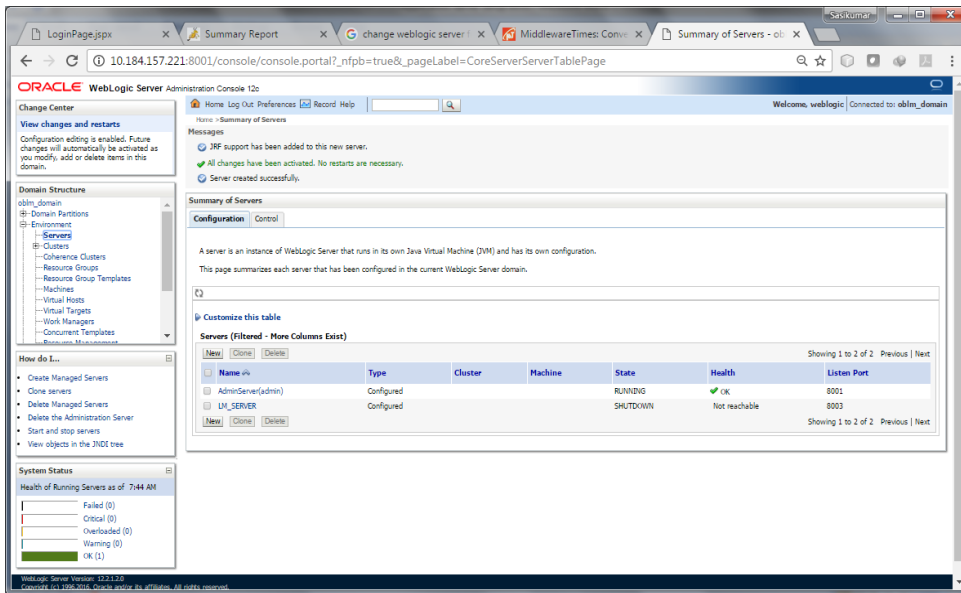
Leave other fields as it is.



2. Click Next. The following screen will come.

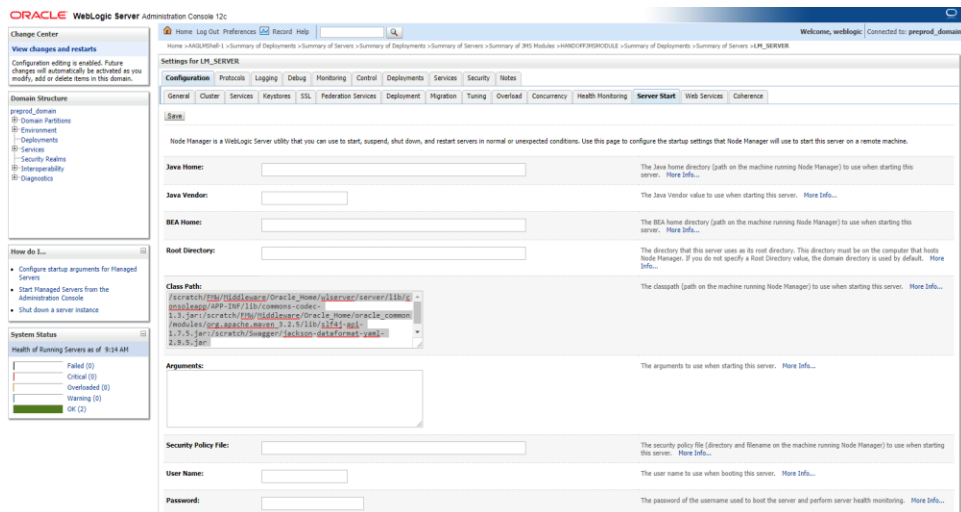


3. Click on **finish**. The following screen will come.



4. Click LM_SERVER, Under **Configuration** click the **Server Start** Menu,

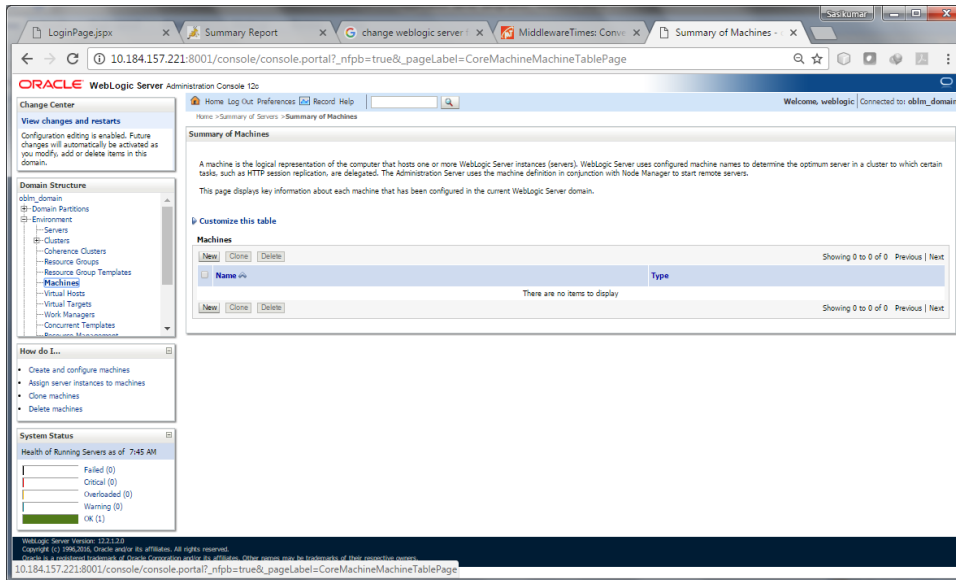
In **Class Path** field add the following Jar path
 /<oracle_home>/wlserver/server/lib/consoleapp/APP-INF/lib/commons-codec-1.3.jar:/<oracle_home>/oracle_common/modules/org.apache.maven_3.2.5/lib/slf4j-api-1.7.5.jar:<path>/jackson-dataformat-yaml-2.9.5.jar



5. Click on **Save**.

2.2.2 Create Machine

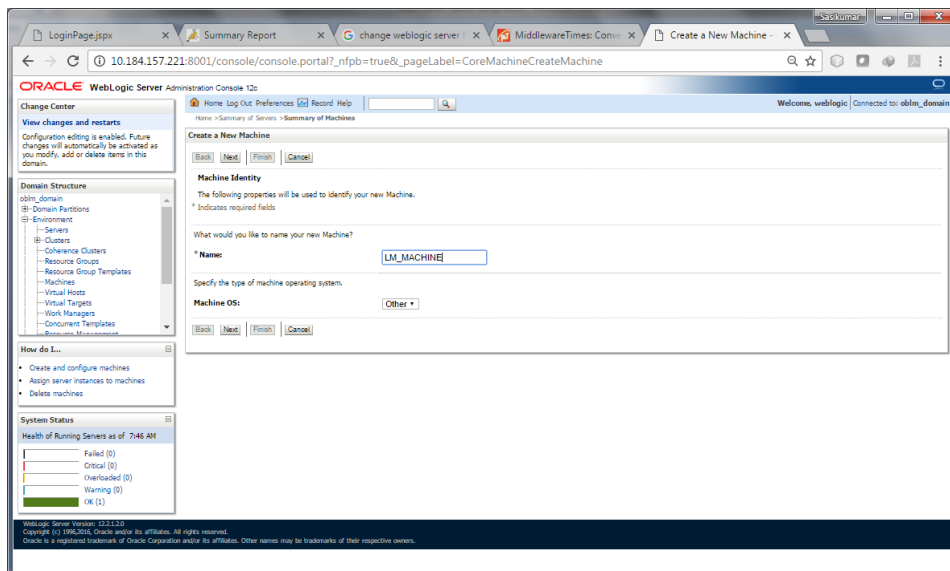
1. Under **Environment** click on **Machine** then following screen will come. Click on **New**.



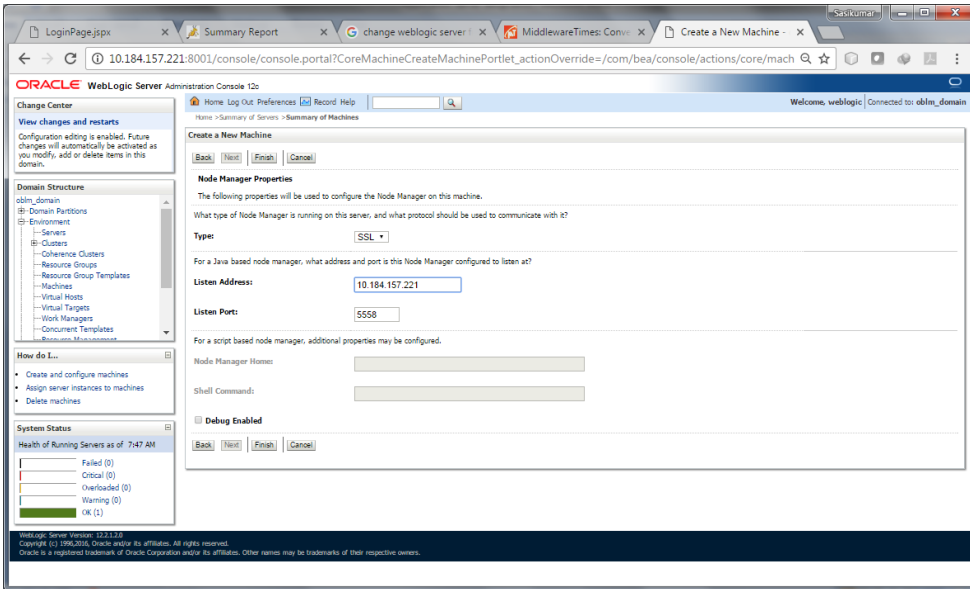
2. Give the following details.

Name: **LM_MACHINE**

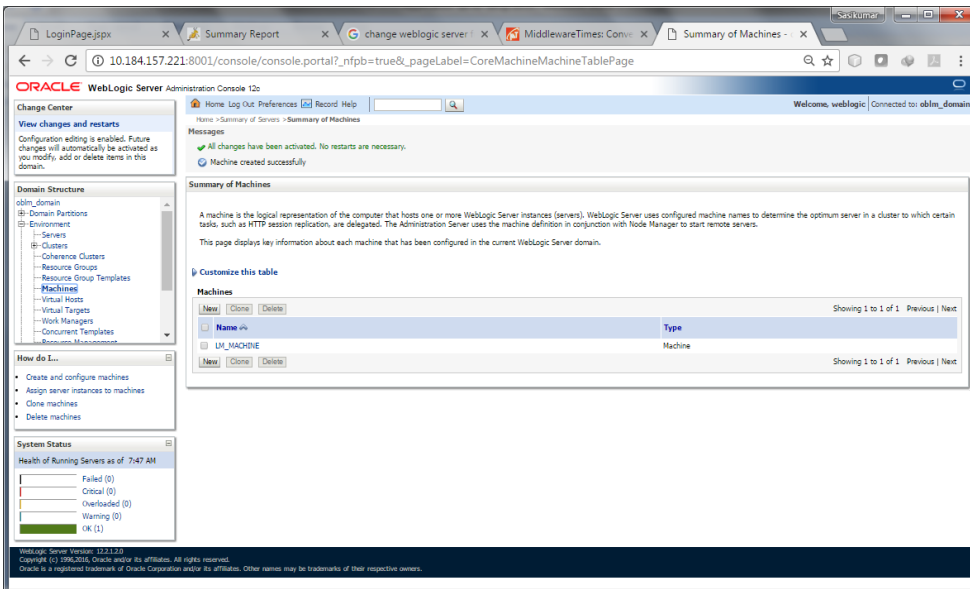
Machine OS: **others**



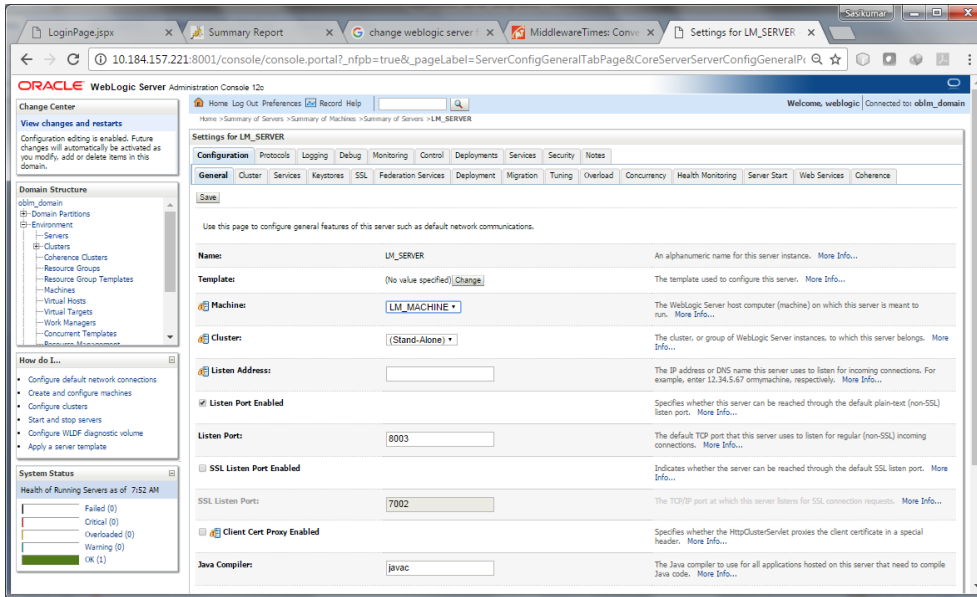
3. Click on **Next**. Enter **localhost** or the I.P. Address of the system as Listen **Address**. Click on **Finish**.



4. **LM_Machine** is created



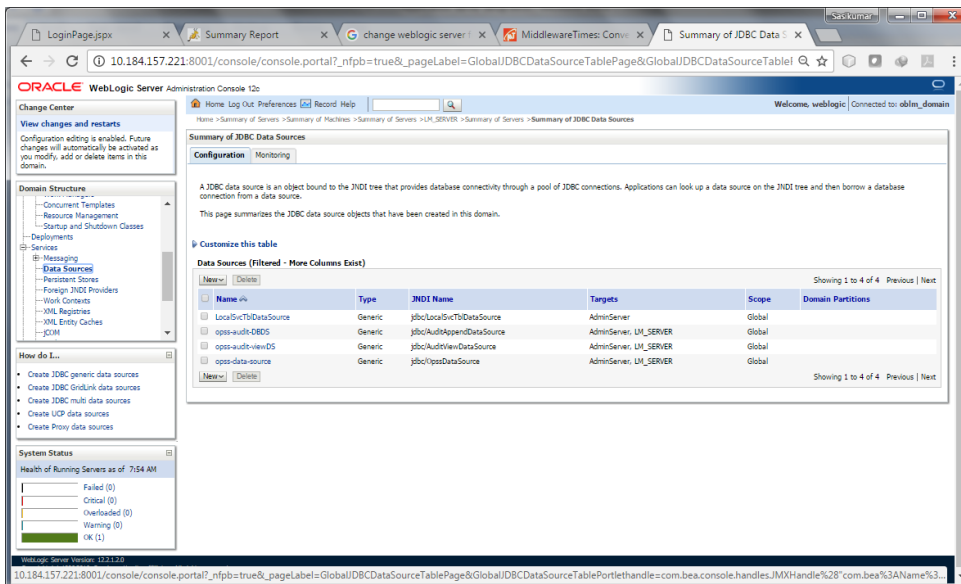
5. Map LM_SERVER to LM_MACHINE



2.2.3 Create Data Source

2.2.3.1 Create LM Data source

1. Click on the Data Sources under Services



2. Click on **New** and select **Generic Data Source**

3. Give the below details:

Give the JDBC Data Source Properties

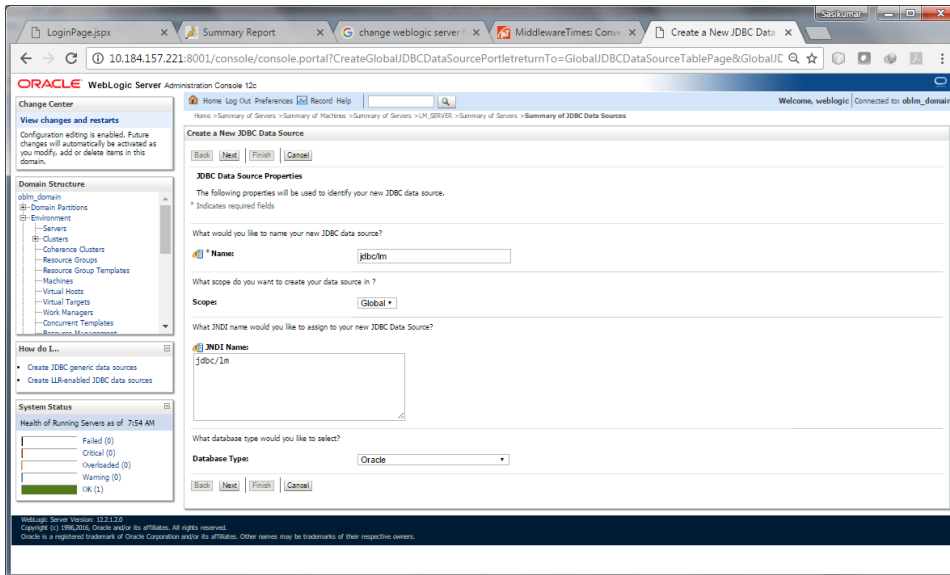
Name: jdbc/lm (Same name has to be maintained)

Scope: Global

JNDI Name: jdbc/lm (Same name has to be maintained)

Database Type: Oracle

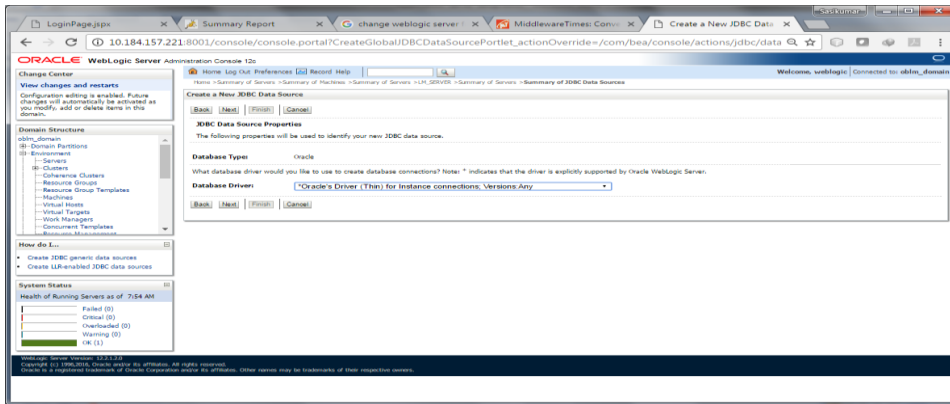
Note: Since the **persistance.xml** file is referring to the above mentioned JNDI Name, It is recommended not to use any other JNDI Name.



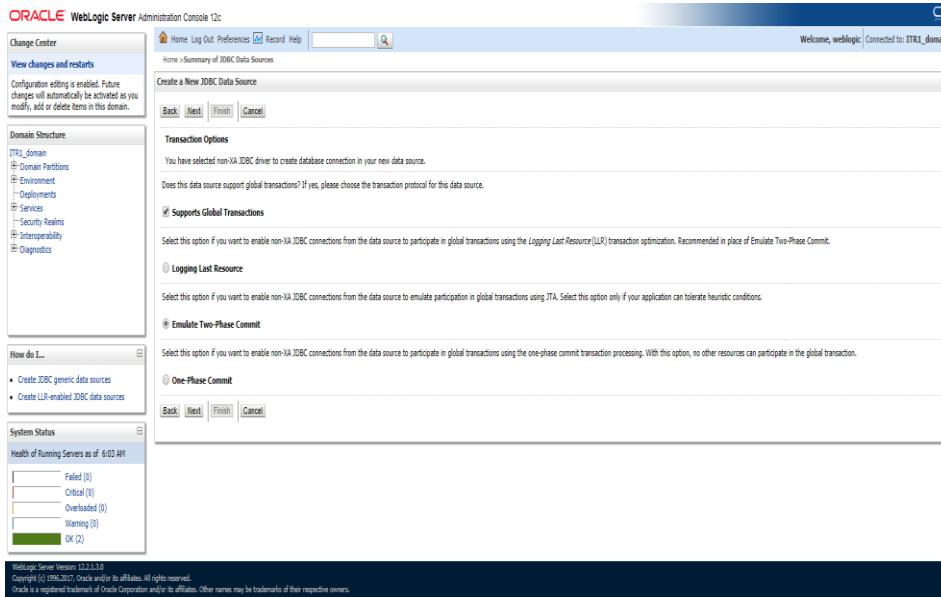
4. Choose Database Driver as Oracle's Driver (Thin) for instance Connections; Version: Any

For Constant Databases(CDB) follow Step 3 – Step 7

For Pluggable Database(PDB) follow Step 8 – Step 12

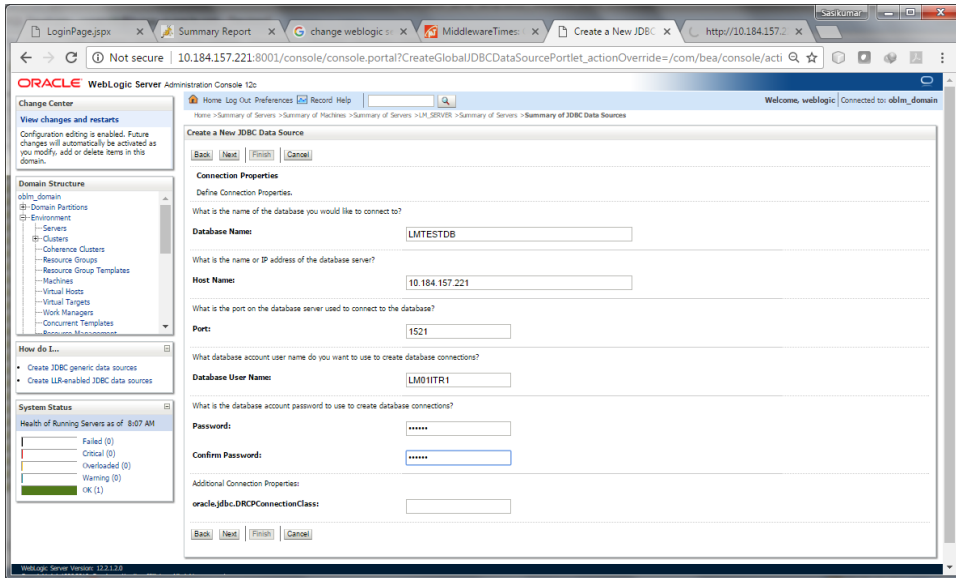


5. Check **Supports global transactions** and select **Emulate Two-Phase Commit**.

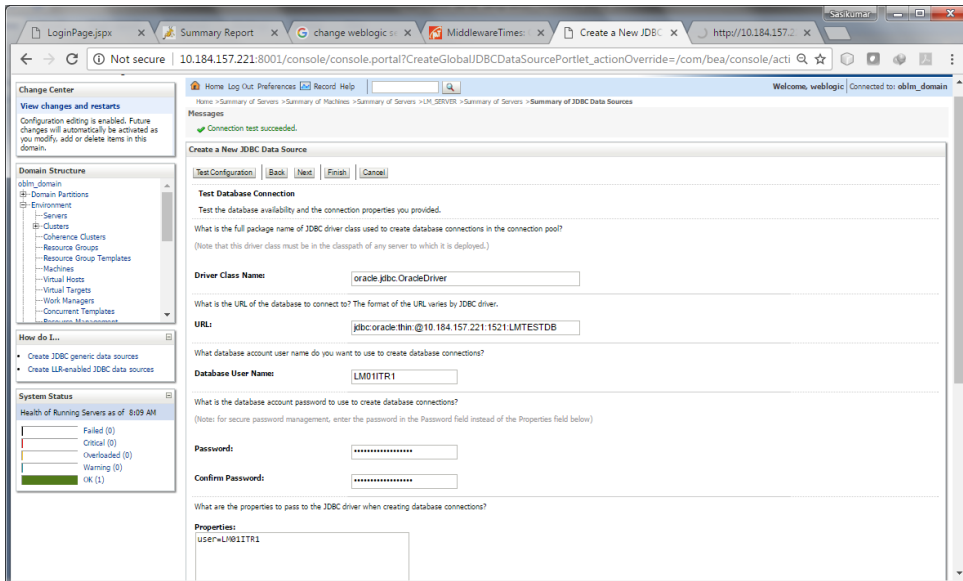


6. Give the **Connection Properties**, Example below

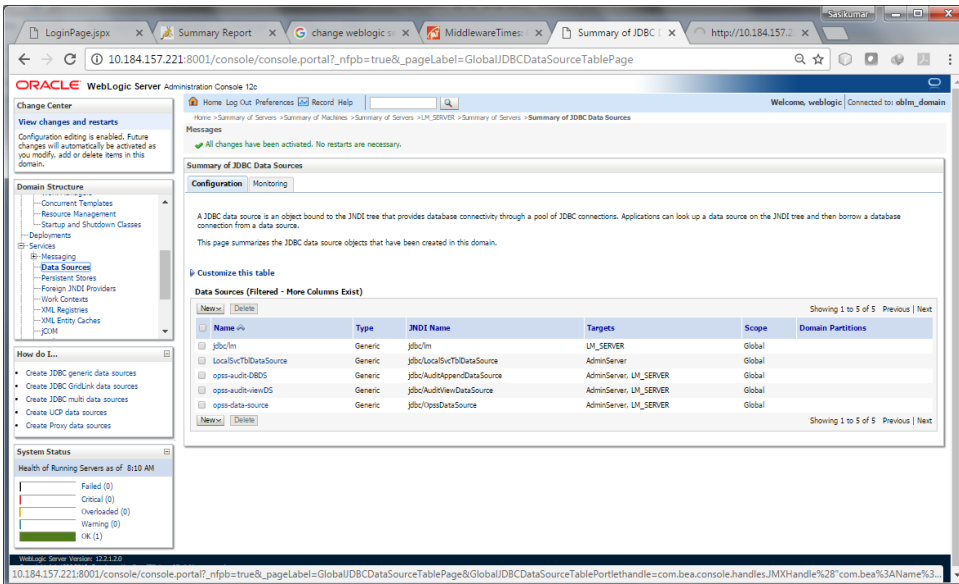
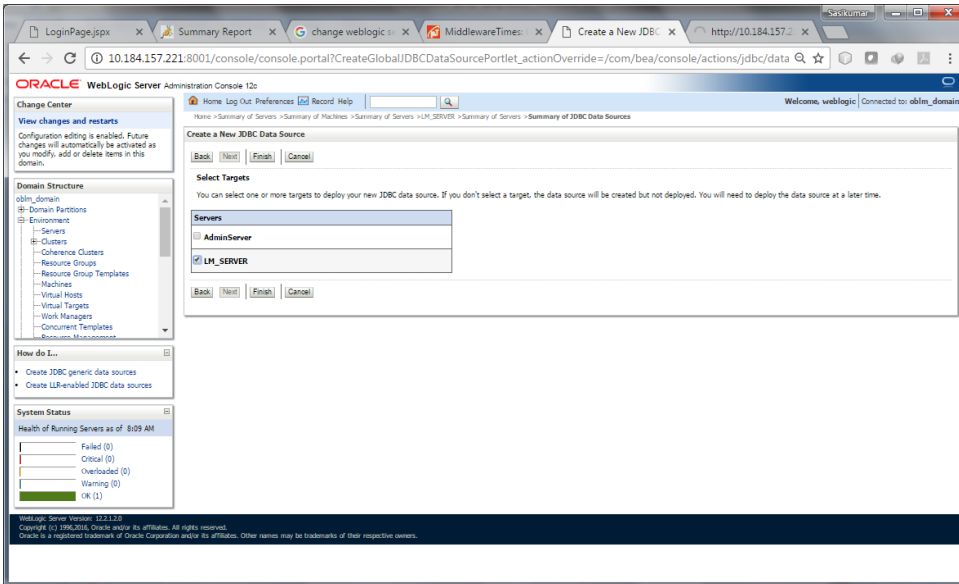
Database Name: **LMTESTDB**
Host Name: **10.184.157.221**
Port: **1521**
Database User Name: **LM01ITR1**
Password: **LMDB**



7. Test Database Connection by clicking the **Test Configuration** button.



8. Click **Next** and Choose the **Target Server** and Click **Finish** button.



9. Repeat the same steps to configure another data source for stand-alone IC set-up

Give the JDBC Data Source Properties as follows

- Name: jdbc/ic (Same name has to be maintained)
- Scope: Global
- JNDI Name: jdbc/ic (Same name has to be maintained)
- Database Type: Oracle

10.Repeat the same steps to configure another data source for flexcube.

Give the JDBC Data Source Properties as follows

Name: jdbc/fcjdevDS (Same name has to be maintained)

Scope: Global

JNDI Name: jdbc/fcjdevDS (Same name has to be maintained)

Database Type: Oracle

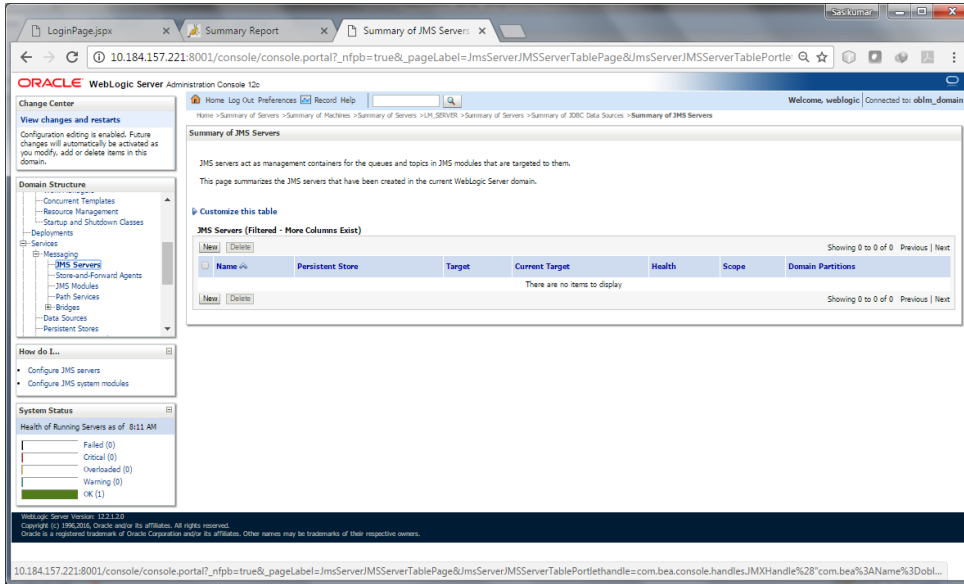
11.At the end of this step the Summary of JDBC Data Sources page should look like this.

The screenshot shows the Oracle WebLogic Server Administration Console interface. The main content area is titled "Summary of JDBC Data Sources" and includes a "Configuration" tab. Below the title, there is a brief explanation of JDBC data sources and a "Customize this table" option. A table lists the configured data sources with the following columns: Name, Type, JNDI Name, and Targets.

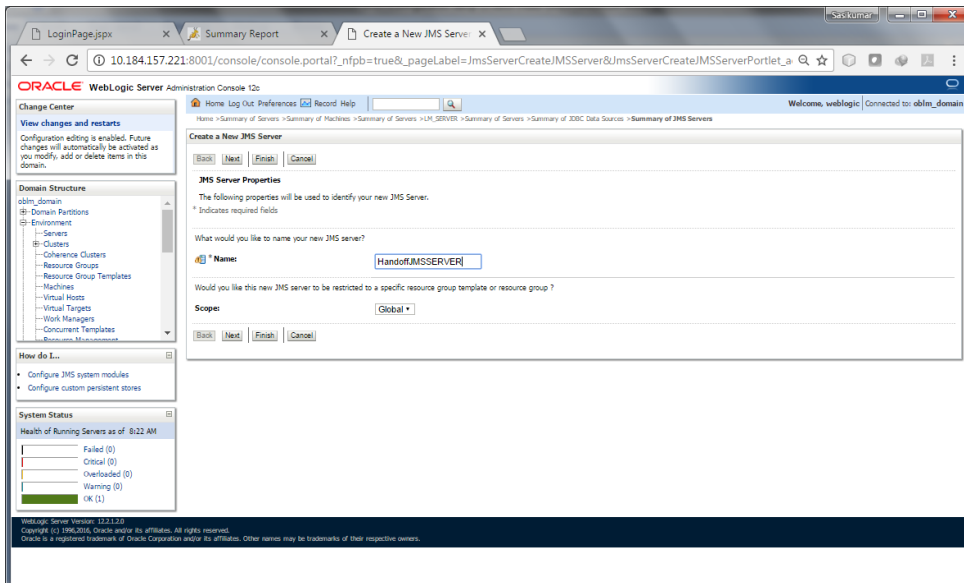
Name	Type	JNDI Name	Targets
jdbc/fcjdevDS	Generic	jdbc/fcjdevDS	LM_SERVER
jdbc/c	Generic	jdbc/c	LM_SERVER1
jdbc/m	Generic	jdbc/m	LM_SERVER1
LocalServiceDataSource	Generic	jdbc/LocalServiceDataSource	AdminServer
opss-audit-ODDS	Generic	jdbc/auditAppenDataSource	AdminServer, LM_SERVER, LM_SERVER1
opss-audit-viewDS	Generic	jdbc/auditViewDataSource	AdminServer, LM_SERVER, LM_SERVER1
opss-data-source	Generic	jdbc/OpssDataSource	AdminServer, LM_SERVER, LM_SERVER1
WLSSchemaDataSource	Generic	jdbc/WLSSchemaDataSource	

2.2.4 Create JMS Server

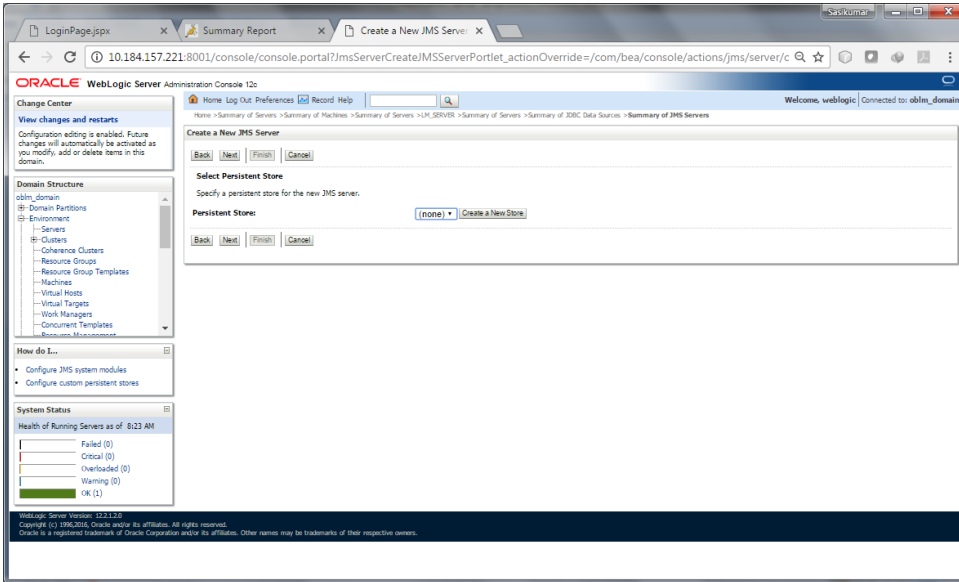
1. Create a New JMS Server



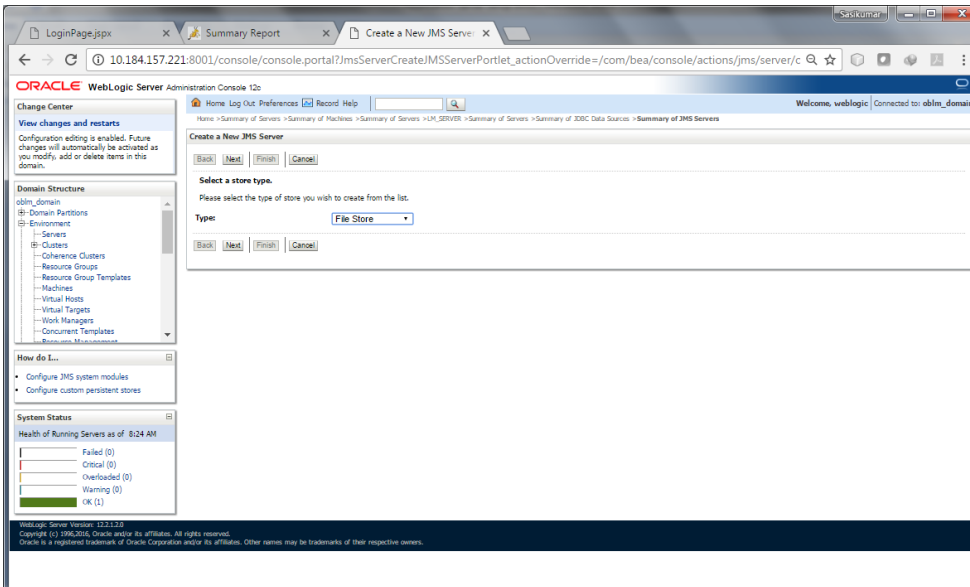
2. Give the JMS Server Properties as below



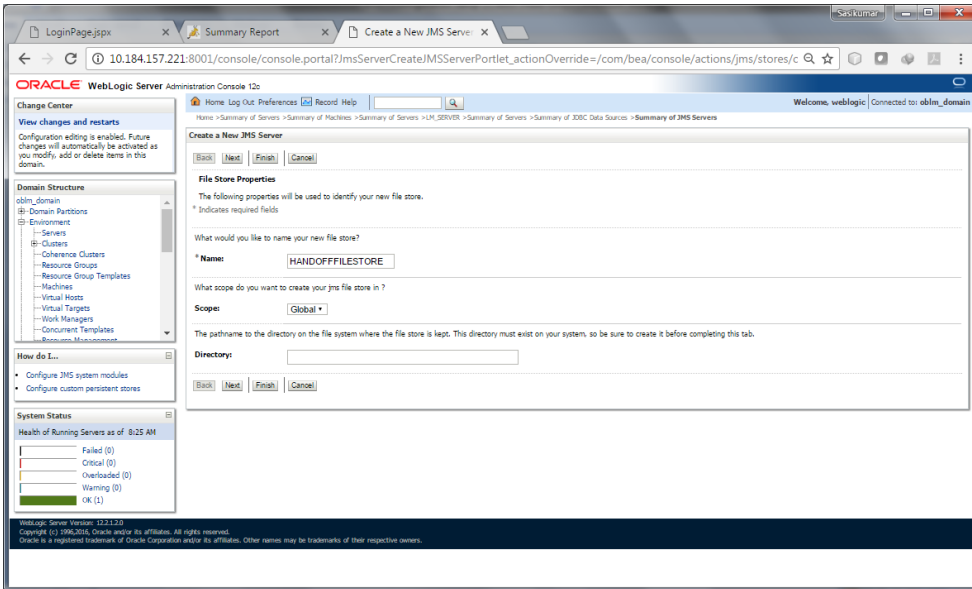
3. Create a New Persistent Store



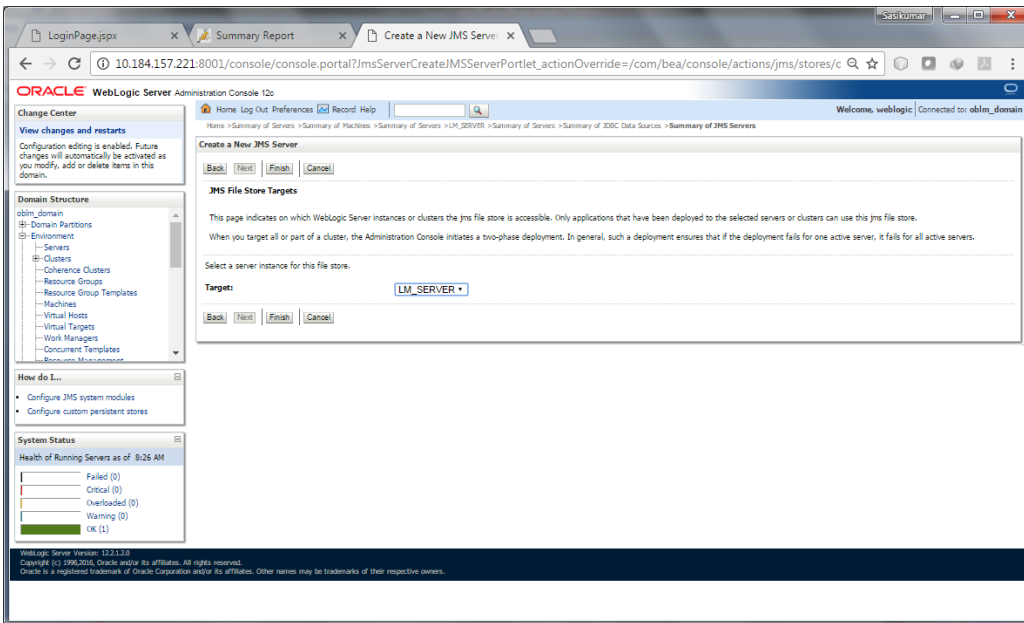
4. Choose File Store from the list



5. Set the **File Store Properties** as below



6. Choose the **Target** as the Server that we have created, Example: **LM_SERVER** and Click **Finish**



7. JMS Server is created

The screenshot shows the Oracle WebLogic Server Administration Console. The main content area is titled "Summary of JMS Servers". It contains a table with the following data:

Name	Persistent Store	Target	Current Target	Health	Scope	Domain Partitions
HandoffJMSSEVER	HANDOFFSTORE	U1_SERVER	U1_SERVER		Global	

On the left side, the "Domain Structure" tree is expanded to "JMS Servers". The "System Status" section shows "Health of Running Servers as of 9:05 AM" with a green bar and "OK (1)".

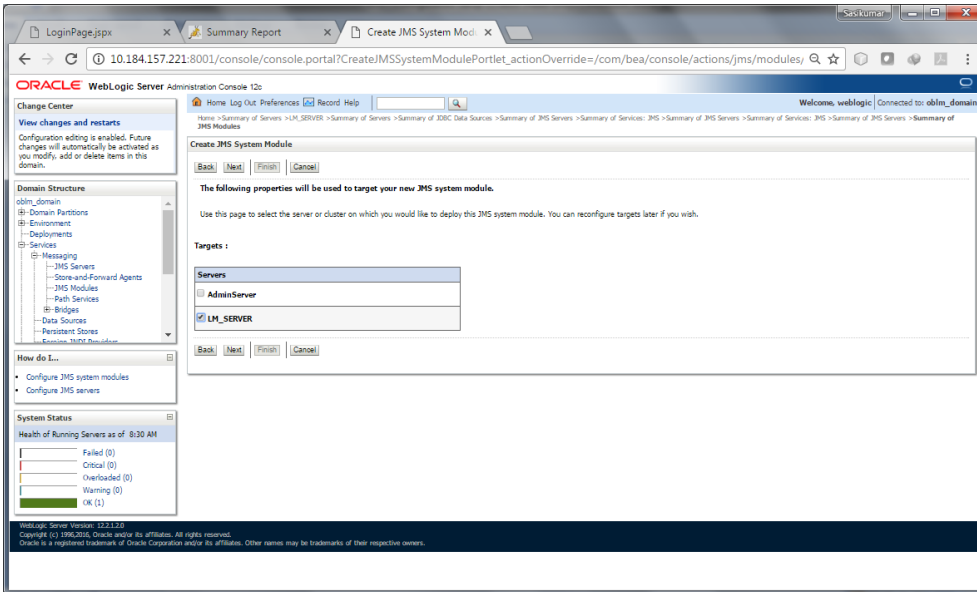
8. Create a New JMS Module

The screenshot shows the Oracle WebLogic Server Administration Console. The main content area is titled "Summary of JMS Modules". It contains a table with the following data:

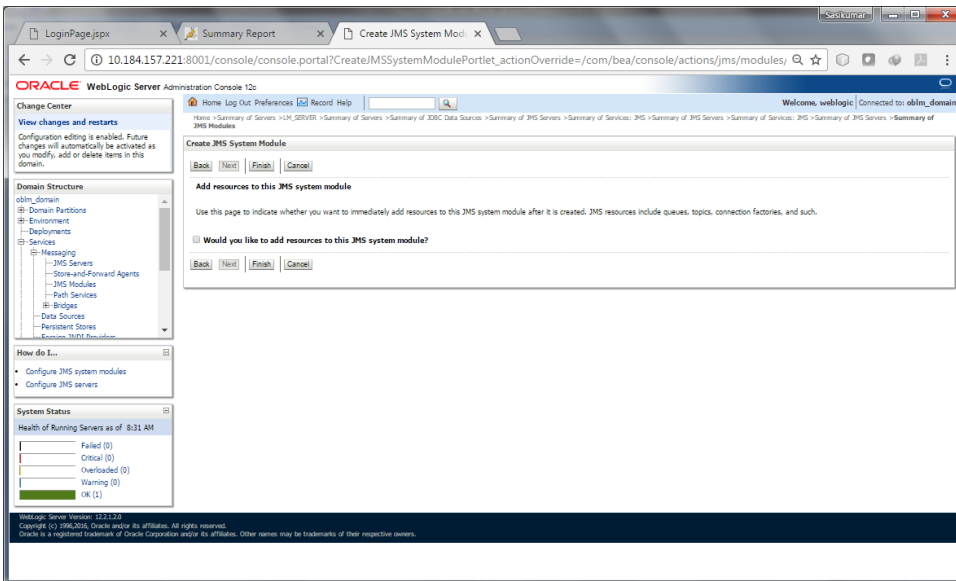
Name	Type	Scope	Domain Partitions
There are no items to display			

On the left side, the "Domain Structure" tree is expanded to "JMS Modules". The "System Status" section shows "Health of Running Servers as of 8:30 AM" with a green bar and "OK (1)".

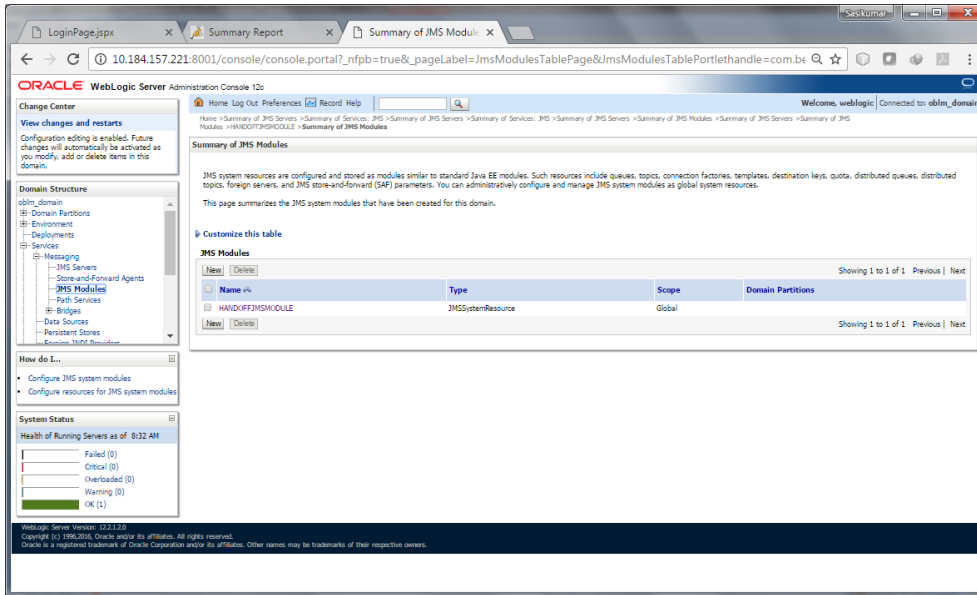
9. Choose the **Target Server**, Example: **LM_SERVER** and Click **Next**



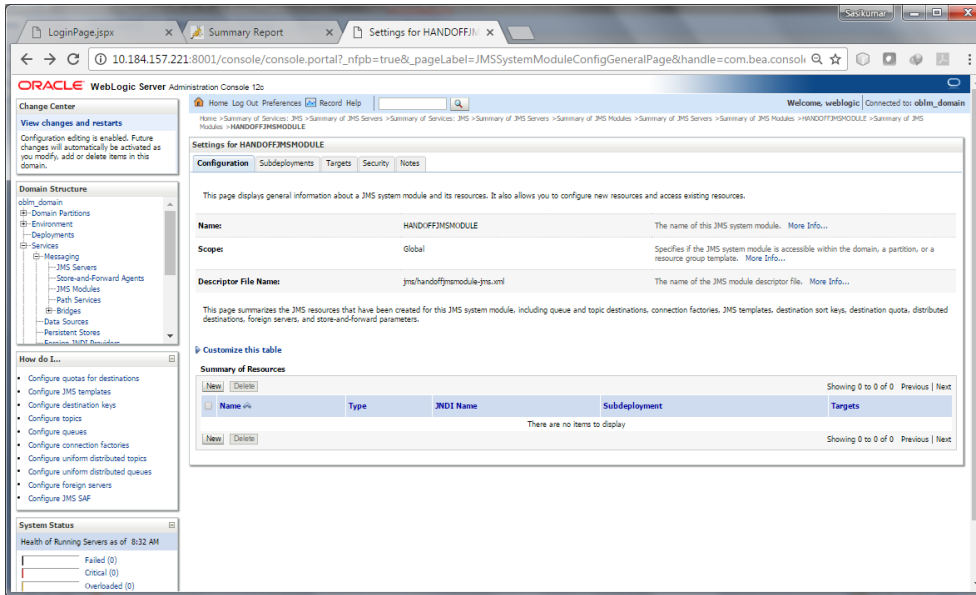
10. Click **Finish**



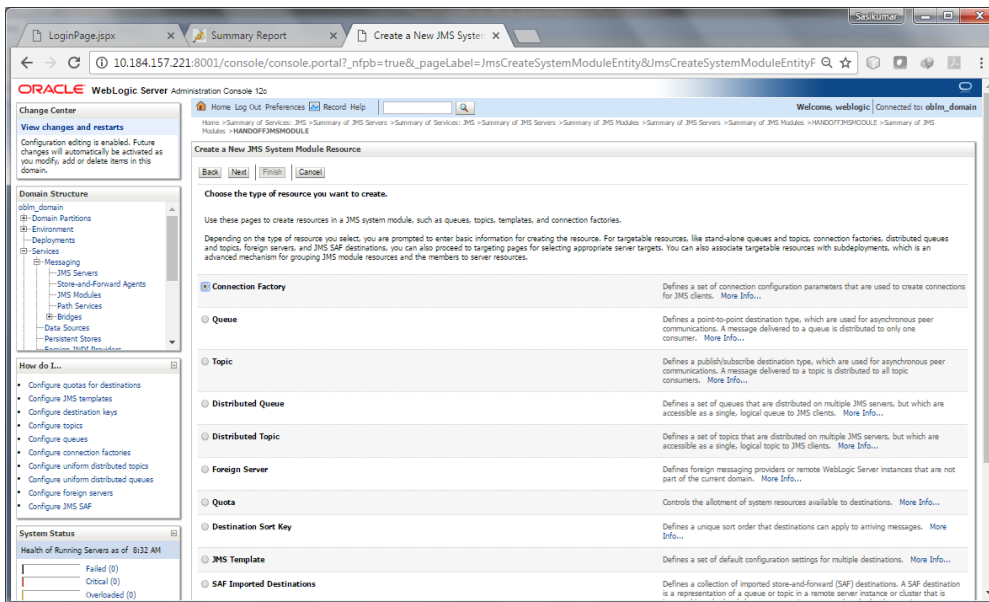
11. Click the **JMS Module** that we created just now



12. Create a **New Resource**



13. Create a Connection Factory

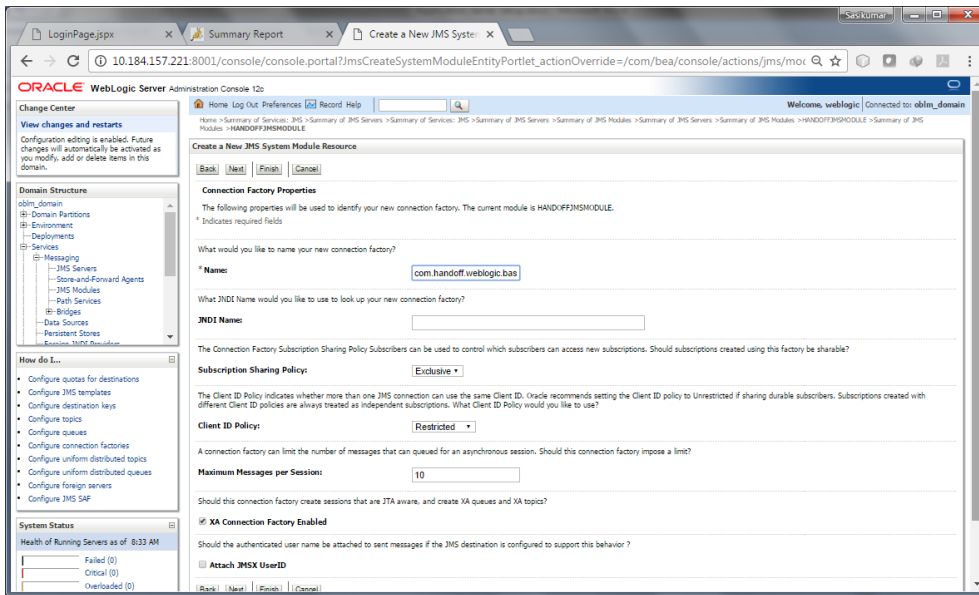


14. Set the Connection Factory Properties as Below

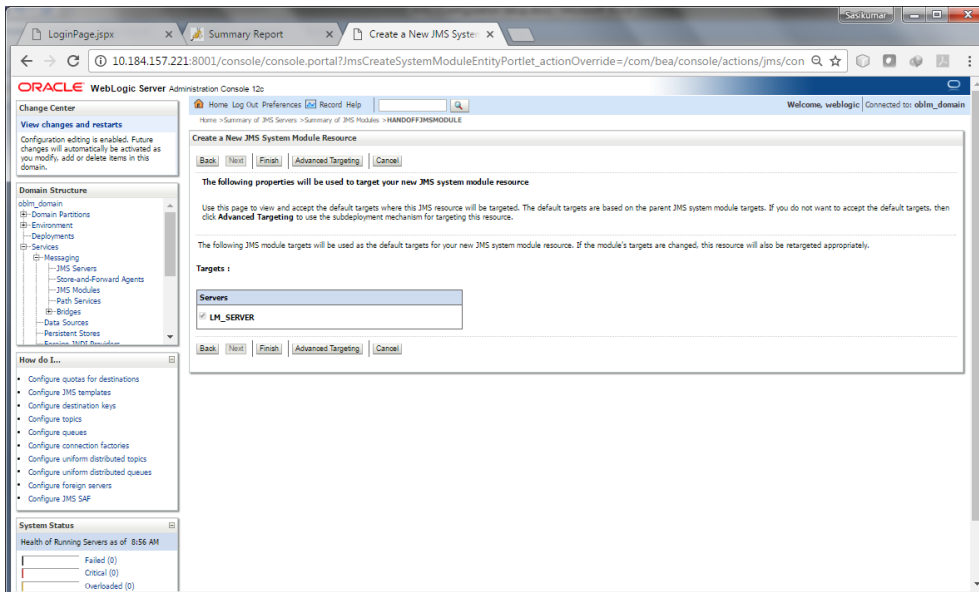
Name: **com.handoff.weblogic.base.cf**

JNDI Name: **com.handoff.weblogic.base.cf**

Remaining details give as below and Click **Next**



15. Choose the **Target Server**, Example: **LM_SERVER** and Click **Finish**



16. We can see the Connection Factory Created.

The screenshot shows the Oracle WebLogic Server Administration Console. The main content area is titled "Settings for HANDOFFJMSMODULE" and includes a "Configuration" tab. Below the configuration details, there is a "Summary of Resources" table. The table has columns for Name, Type, JNDI Name, Subdeployment, and Targets. One resource is listed: a Connection Factory named "com.handoff.weblogic.base.cf" with a JNDI Name of "com.handoff.weblogic.base.cf", a Subdeployment of "Default Targeting", and a Target of "L11_SERVER".

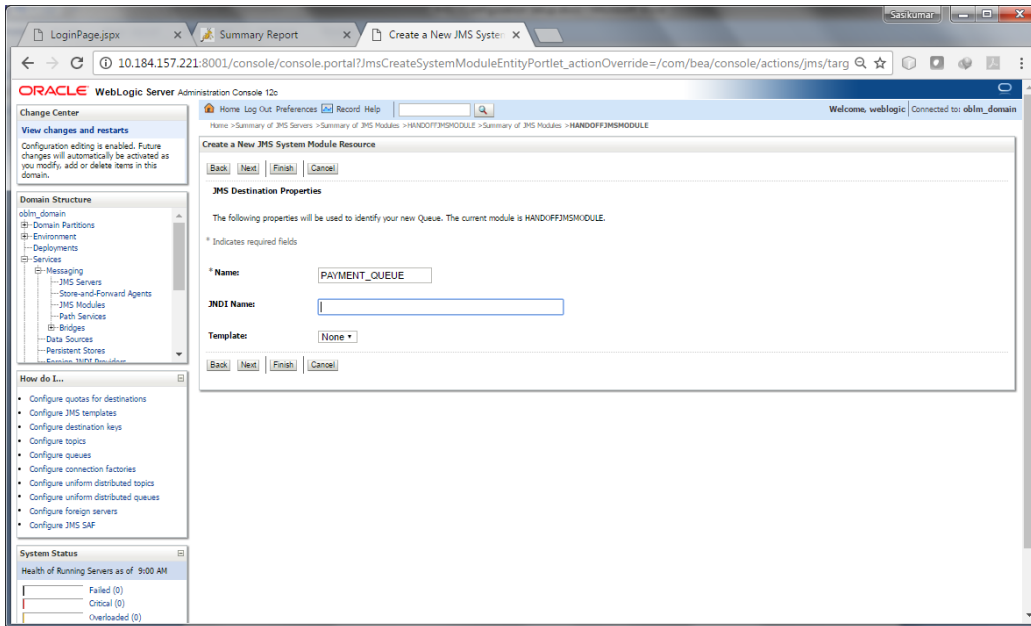
Name	Type	JNDI Name	Subdeployment	Targets
com.handoff.weblogic.base.cf	Connection Factory	com.handoff.weblogic.base.cf	Default Targeting	L11_SERVER

17. Create a New Queue, Click New and Choose Queue

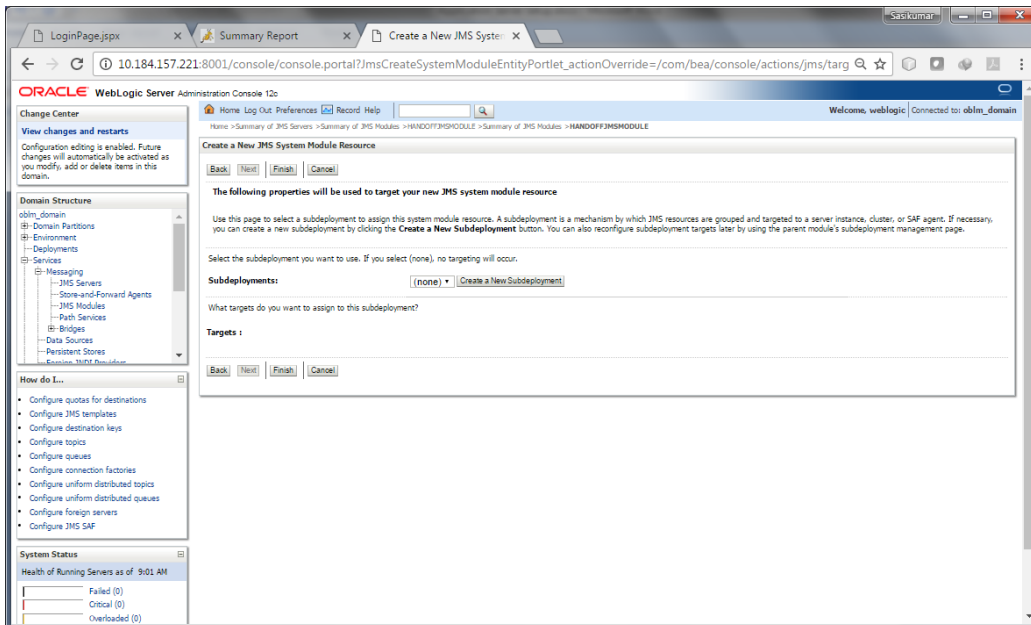
The screenshot shows the "Create a New JMS System Module Resource" wizard in the Oracle WebLogic Server Administration Console. The "Queue" option is selected under the heading "Choose the type of resource you want to create". The wizard provides descriptions for various resource types:

- Connection Factory**: Defines a set of connection configuration parameters that are used to create connections for JMS clients.
- Queue**: Defines a point-to-point destination type, which are used for asynchronous peer communications. A message delivered to a queue is distributed to only one consumer.
- Topic**: Defines a publish/subscribe destination type, which are used for asynchronous peer communications. A message delivered to a topic is distributed to all topic consumers.
- Distributed Queue**: Defines a set of queues that are distributed on multiple JMS servers, but which are accessible as a single, logical queue to JMS clients.
- Distributed Topic**: Defines a set of topics that are distributed on multiple JMS servers, but which are accessible as a single, logical topic to JMS clients.
- Foreign Server**: Defines foreign messaging providers or remote WebLogic Server instances that are not part of the current domain.
- Quota**: Controls the allotment of system resources available to destinations.
- Destination Sort Key**: Defines a unique sort order that destinations can apply to arriving messages.
- JMS Template**: Defines a set of default configuration settings for multiple destinations.
- SAF Imported Destinations**: Defines a collection of imported store-and-forward (SAF) destinations. A SAF destination is a representation of a queue or topic in a remote server instance or cluster that is imported into the local cluster or server instance, so that the local server instance or

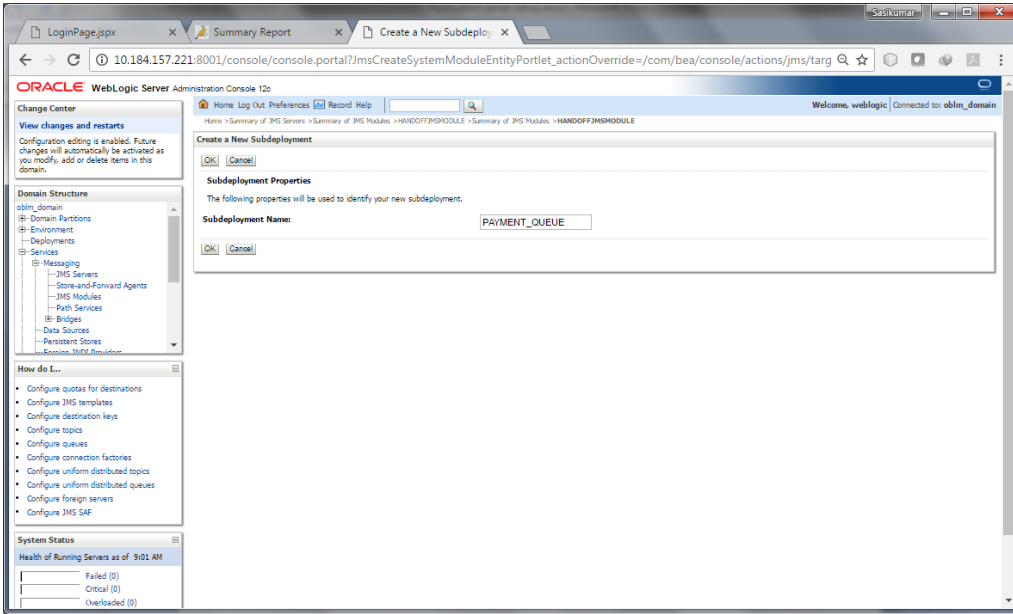
18. Give the Name as **PAYMENT_QUEUE**



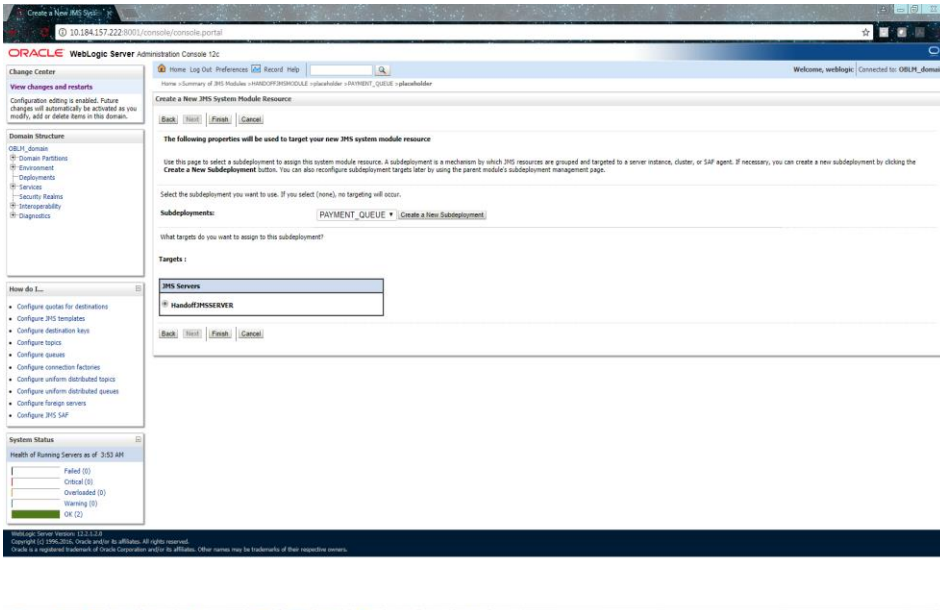
19. Create a New Sub-deployment



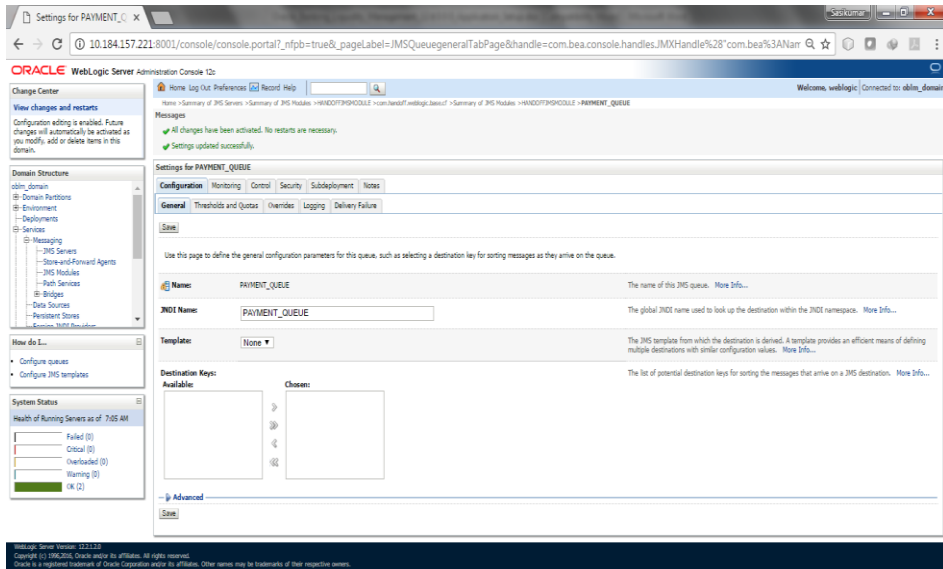
20. Set the **Sub-deployment Properties** as below and Click **Ok**



21. Choose the **Sub-deployment** and Select the **HandoffJMSSERVER** as Target and Click **Finish**

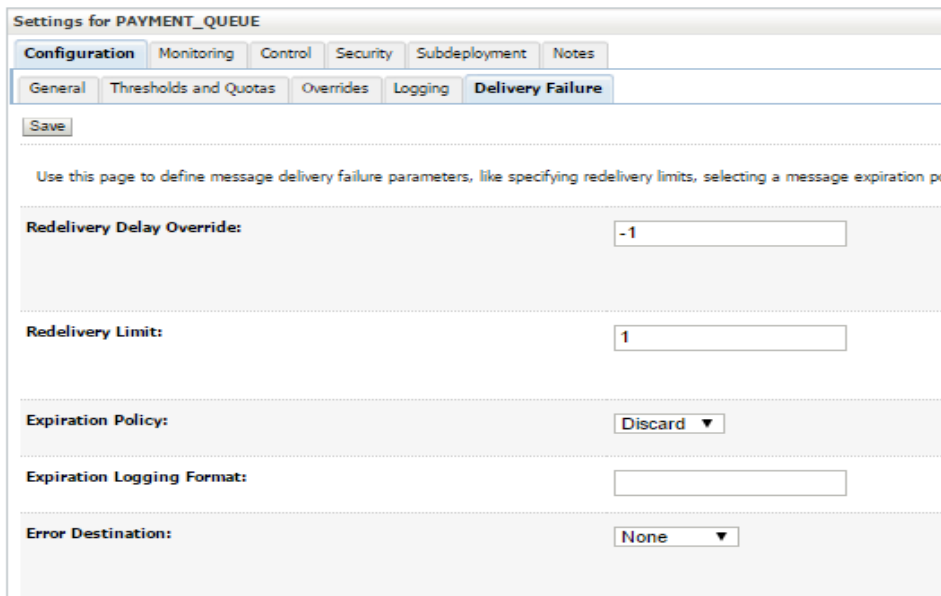


22. Set JNDI Name for the PAYMENT_QUEUE as PAYMENT_QUEUE



The screenshot shows the Oracle WebLogic Server Administration Console interface. The main content area is titled "Settings for PAYMENT_QUEUE" and has tabs for Configuration, Monitoring, Control, Security, Subdeployment, and Notes. The "Configuration" tab is active, and the "General" sub-tab is selected. The "Name" field is set to "PAYMENT_QUEUE". The "JNDI Name" field is also set to "PAYMENT_QUEUE". The "Template" is set to "None". There are also sections for "Destination Key" and "Available" keys, but they are currently empty.

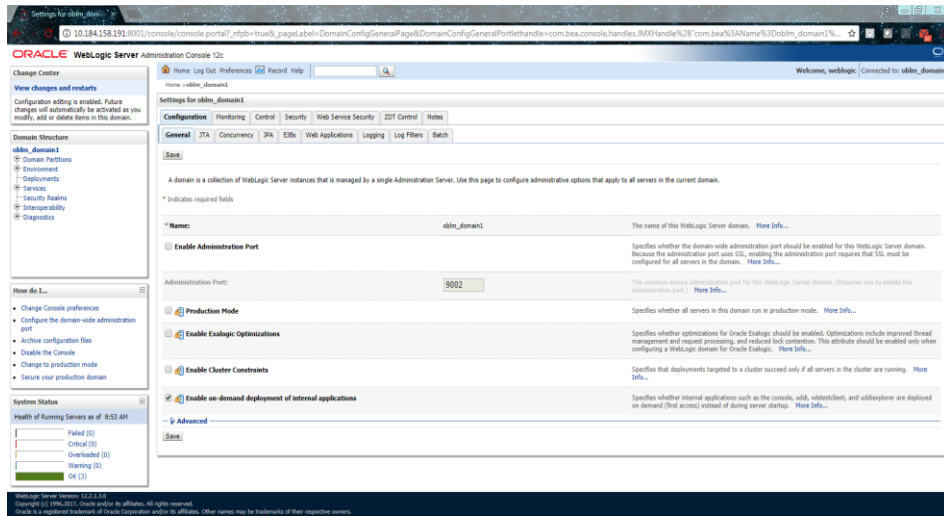
23. Set Redelivery Limit to 1 under Delivery Failure tab of PAYMENT_QUEUE



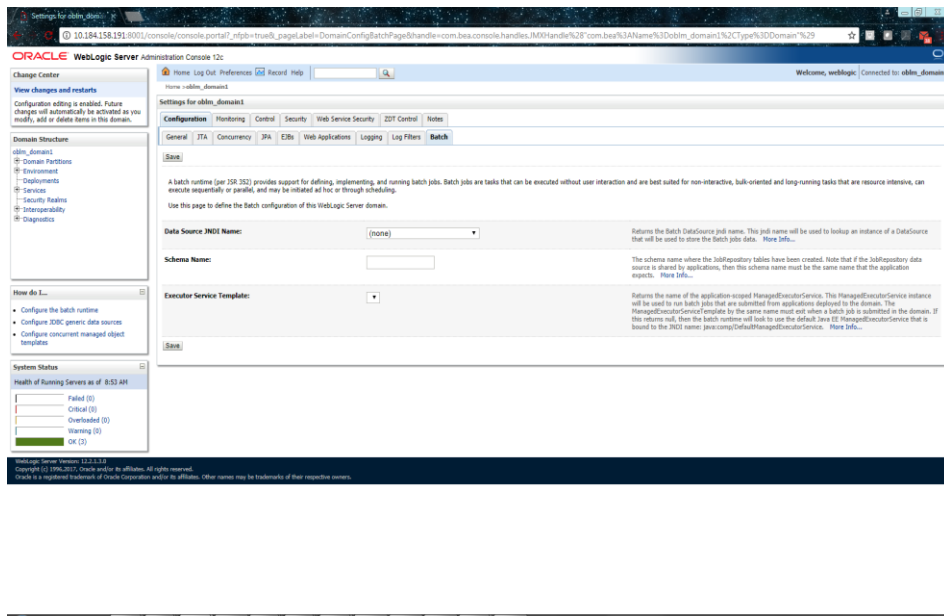
The screenshot shows the "Settings for PAYMENT_QUEUE" interface with the "Delivery Failure" sub-tab selected. The "Redelivery Delay Override" is set to "-1". The "Redelivery Limit" is set to "1". The "Expiration Policy" is set to "Discard". The "Expiration Logging Format" is empty. The "Error Destination" is set to "None".

2.2.5 Batch Setup

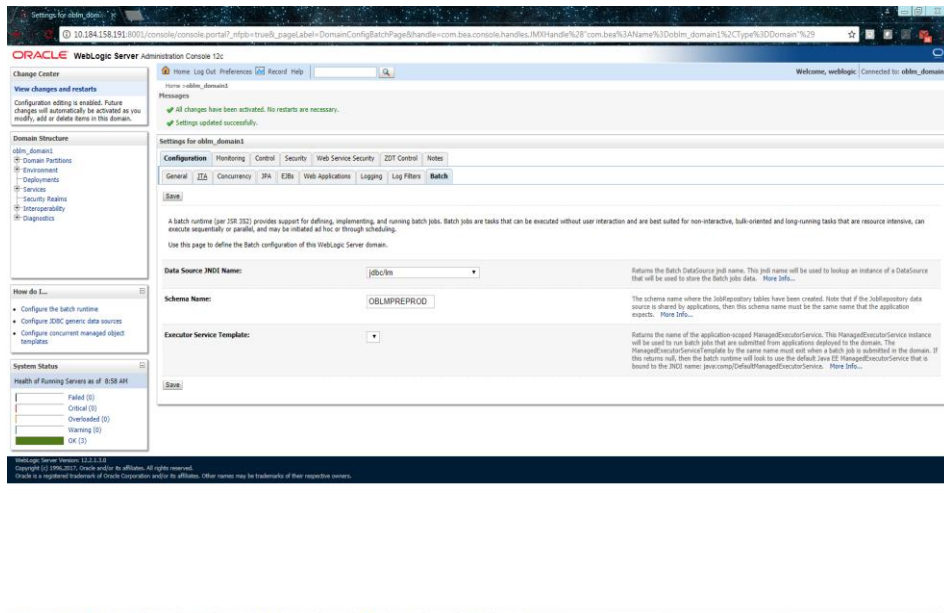
1. Click on the domain name (**For ex. oblm_domain**) in Domain Structure.



2. Click on **Batch** tab.



3. Select the Data Source JNDI name as **jdbc/lm** & Schema Name.



4. Click on Save.

2.2.6 Create File Upload Path

1. Create the following folder tree in the system where Weblogic Server is running for OBLM.

- oracle
 - LM_FILEUPLOAD
 - Archival
 - BANK
 - BRANCH
 - BRNHOLIDAY
 - COUNTRY
 - CURDEF
 - CURHOLIDAY
 - CUSTOMERMAINT
 - CYDRATEE
 - MBCC
 - PARTICIPATINGACC
 - PYMNTINST
 - STDACRMT
 - STRUCTURE
 - SWEEPINSTR
 - VDBAL
 - Batch
 - BANK
 - BRANCH
 - BRNHOLIDAY
 - COUNTRY
 - CURDEF
 - CURHOLIDAY
 - CUSTOMERMAINT
 - CYDRATEE
 - MBCC
 - PARTICIPATINGACC
 - PYMNTINST
 - STDACRMT
 - STRUCTURE
 - SWEEPINSTR
 - VDBAL

****Note:** Folder names are case-sensitive.

2. For Linux users set the permission to 0777 for the entire directory tree, by executing the following command:

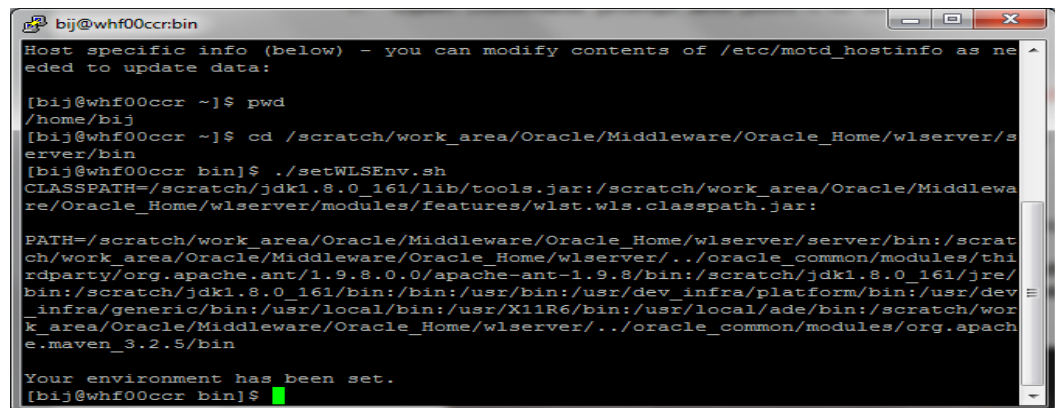
```
chmod -R 0777 .
```

2.2.7 Build Liquidity Managements Executable Files

Set-up application configuration file

1. Open Command prompt and point it to \Middleware\Oracle_Home\wlserver\server\bin
2. Set the environment using the following command.

setWLSEnv.cmd (in windows)



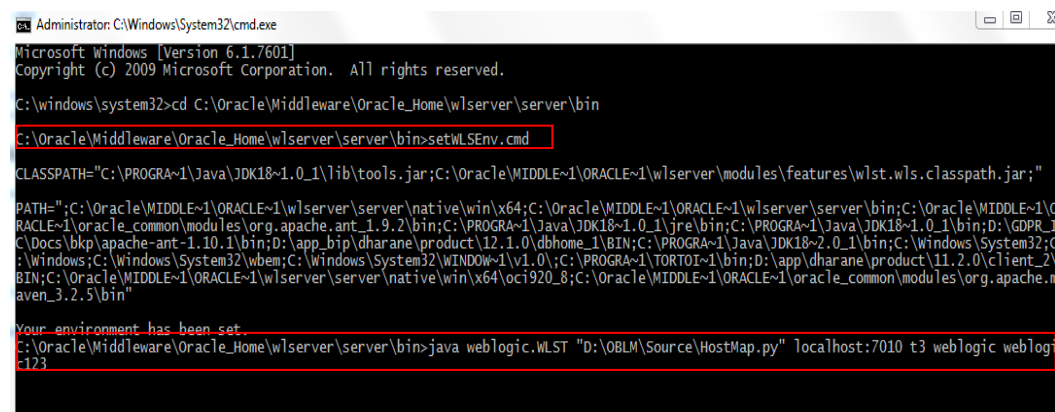
```
bij@whf00ccr:bin
Host specific info (below) - you can modify contents of /etc/motd_hostinfo as needed to update data:

[bij@whf00ccr ~]$ pwd
/home/bij
[bij@whf00ccr ~]$ cd /scratch/work_area/Oracle/Middleware/Oracle_Home/wlserver/server/bin
[bij@whf00ccr bin]$ ./setWLSEnv.sh
CLASSPATH=/scratch/jdk1.8.0_161/lib/tools.jar:/scratch/work_area/Oracle/Middleware/Oracle_Home/wlserver/modules/features/wlst.wls.classpath.jar:
PATH=/scratch/work_area/Oracle/Middleware/Oracle_Home/wlserver/server/bin:/scratch/work_area/Oracle/Middleware/Oracle_Home/wlserver/./oracle_common/modules/thirdparty/org.apache.ant/1.9.8.0.0/apache-ant-1.9.8/bin:/scratch/jdk1.8.0_161/jre/bin:/scratch/jdk1.8.0_161/bin:/bin:/usr/bin:/usr/dev_infra/platform/bin:/usr/dev_infra/generic/bin:/usr/local/bin:/usr/X11R6/bin:/usr/local/ade/bin:/scratch/work_area/Oracle/Middleware/Oracle_Home/wlserver/./oracle_common/modules/org.apache.maven_3.2.5/bin
Your environment has been set.
[bij@whf00ccr bin]$
```

3. Run the following command to execute the HostMap.py file to create HostConfig.properties values in EM.

(Note: HostMap.py file can be found in location
D:\OSDC\OBLM_14.1\Source\ConfigWLSTScript\HostMap.py)

**java weblogic.WLST "<<local folder path>>\HostMap.py" <<serverIP:port>>
<<protocol ex: t3, t3s>> <<weblogic user>> <weblogic password>>**



```
Administrator: C:\Windows\System32\cmd.exe
Microsoft Windows [Version 6.1.7601]
Copyright (c) 2009 Microsoft Corporation. All rights reserved.

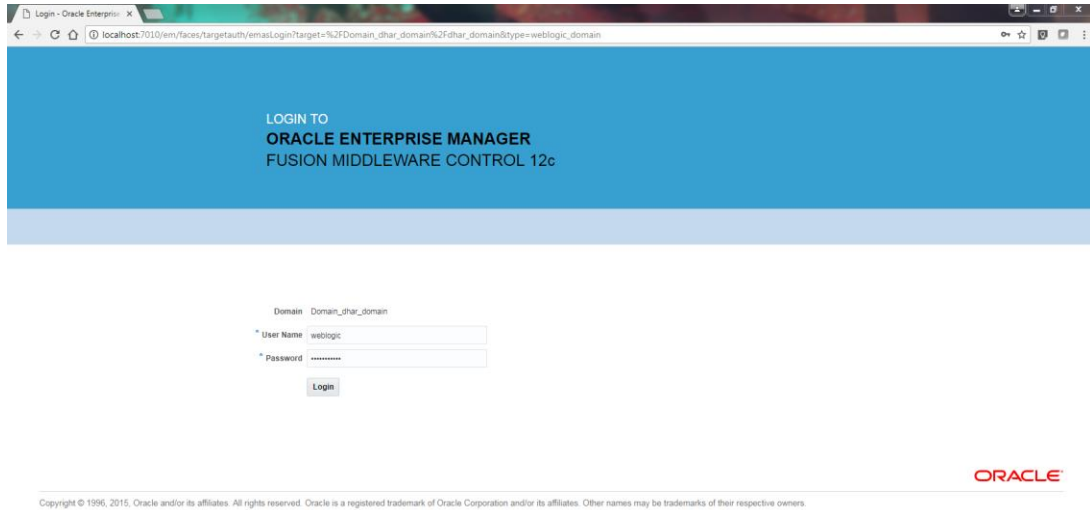
C:\windows\system32>cd C:\Oracle\Middleware\Oracle_Home\wlserver\server\bin
C:\Oracle\Middleware\Oracle_Home\wlserver\server\bin>setWLSEnv.cmd
CLASSPATH="C:\PROGRA~1\Java\JDK18~1.0_1\lib\tools.jar;C:\Oracle\MIDDLE~1\ORACLE~1\wlserver\modules\features\wlst.wls.classpath.jar;"
PATH="C:\Oracle\MIDDLE~1\ORACLE~1\wlserver\server\native\win\x64;C:\Oracle\MIDDLE~1\ORACLE~1\wlserver\server\bin;C:\Oracle\MIDDLE~1\ORACLE~1\oracle_common\modules\org.apache.ant_1.9.2\bin;C:\PROGRA~1\Java\JDK18~1.0_1\jre\bin;C:\PROGRA~1\Java\JDK18~1.0_1\bin;D:\GDPRI~1\C\Docs\bkp\apache-ant-1.10.1\bin;D:\app_bip\dhara\product\12.1.0\dbhome_1\BIN;C:\PROGRA~1\Java\JDK18~2.0_1\bin;C:\Windows\System32;C:\Windows;C:\Windows\System32\wbem;C:\Windows\System32\WINDOW~1\1.0;C:\PROGRA~1\TORTOI~1\bin;D:\app\dhara\product\11.2.0\client_2\BIN;C:\Oracle\MIDDLE~1\ORACLE~1\wlserver\server\native\win\x64\oci920_8;C:\Oracle\MIDDLE~1\ORACLE~1\oracle_common\modules\org.apache.maven_3.2.5\bin"
Your environment has been set.
C:\Oracle\Middleware\Oracle_Home\wlserver\server\bin>java weblogic.WLST "D:\OBLM\Source\HostMap.py" localhost:7010 t3 weblogic weblogic123
```

For **Linux**, Open Command prompt and point it to
\Middleware\Oracle_Home\oracle_common\common\bin

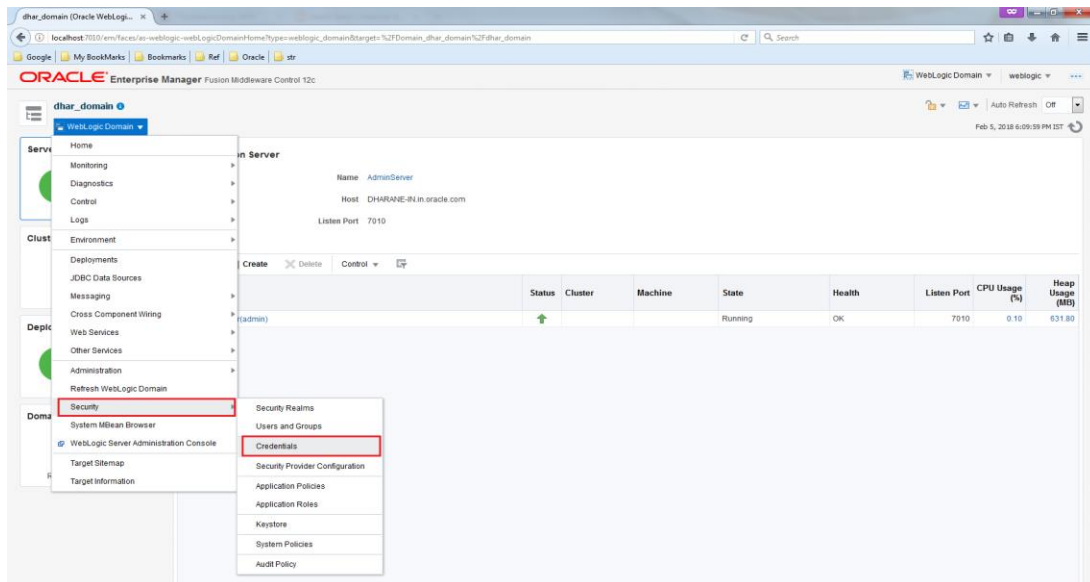
Run the following command to execute the HostMap.py file to create HostConfig.properties values in EM.

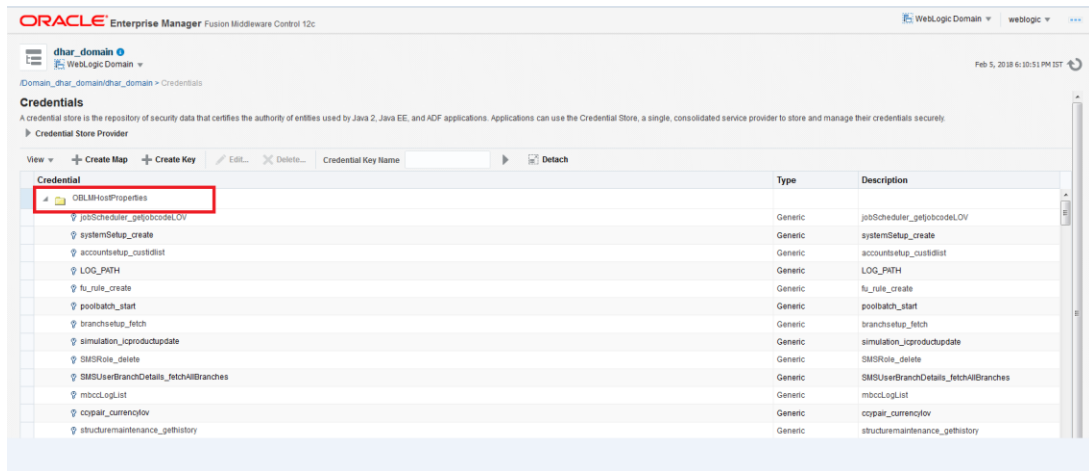
**./wlst.sh "<local folder path>>HostMap.py" <<serverIP:port>> <<protocol ex: t3, t3s>>
<<weblogic user>> <weblogic password>>**

4. Login to **Oracle Enterprise Middleware Control** (E.g. <http://www.localhost:7010/em>).

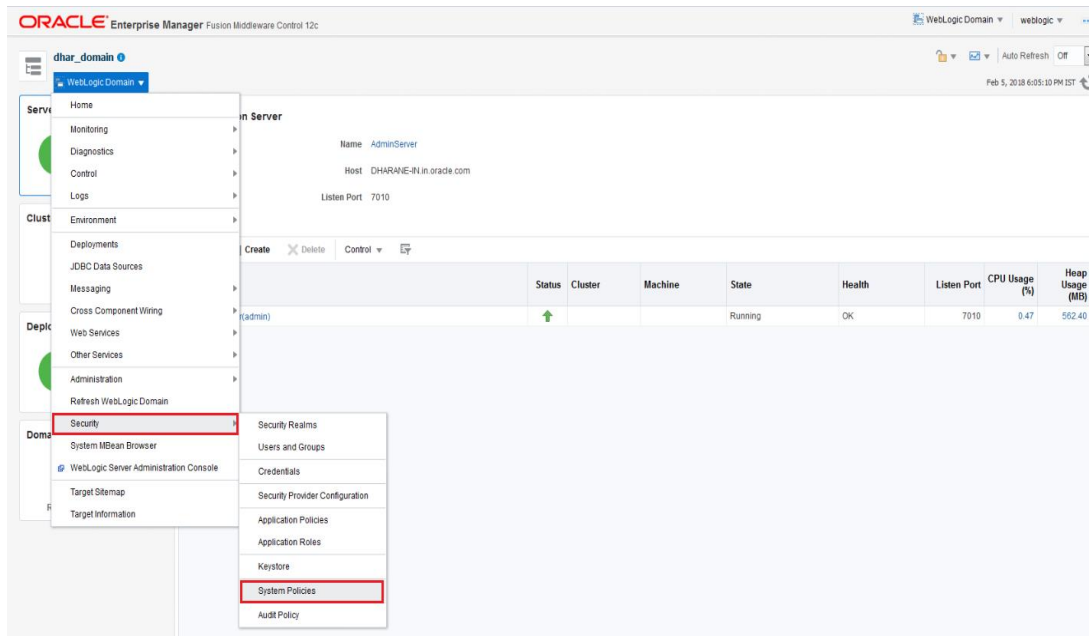


5. On successful execution, created credential can be found under **WebLogicDomain → Security → Credentials**

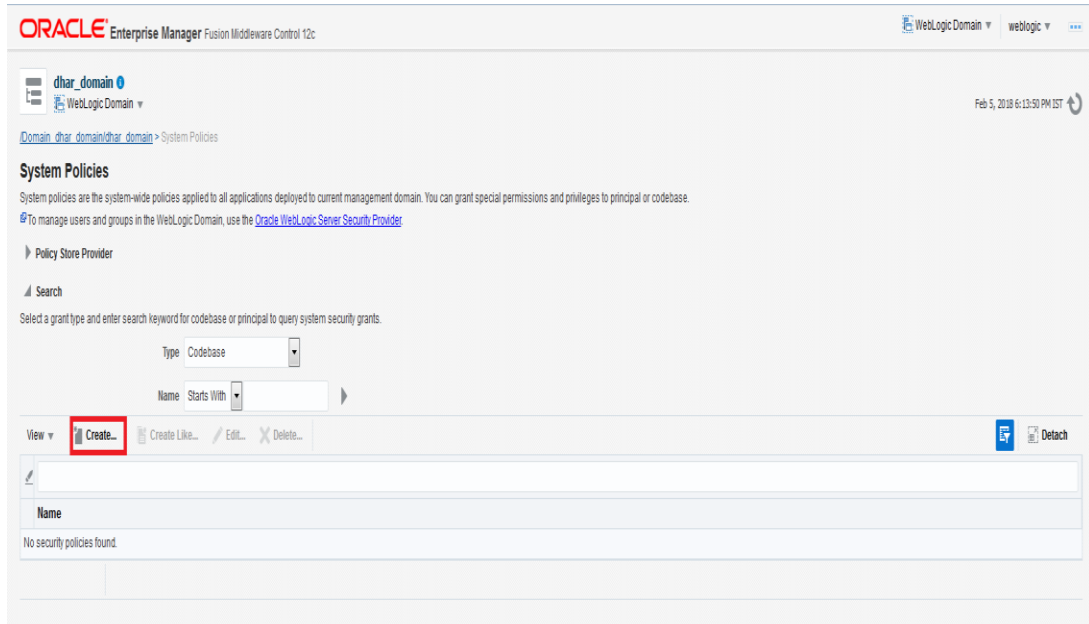




6. Add system policy in order to grant access to read the Credential Store. Expand **WebLogic Domain**, right click on the name of your domain, hover over to **Security**, and then click on **System Policies**.



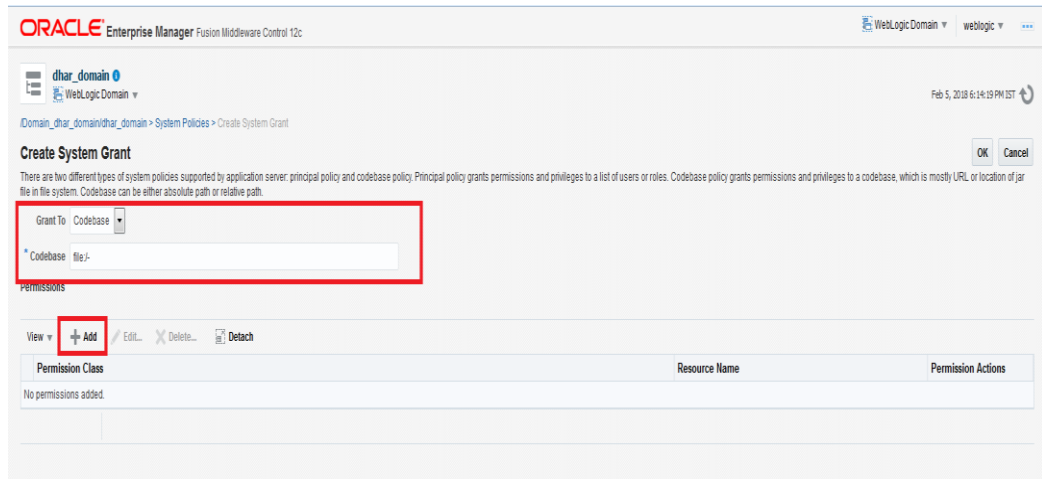
7. Click on **“Create”** to create a new System Policy.



8. Make sure the “Grant To” dropdown is selected to Codebase.

9. Enter the following value in Codebase textbox and Click on “Add” under Permissions.

file:-

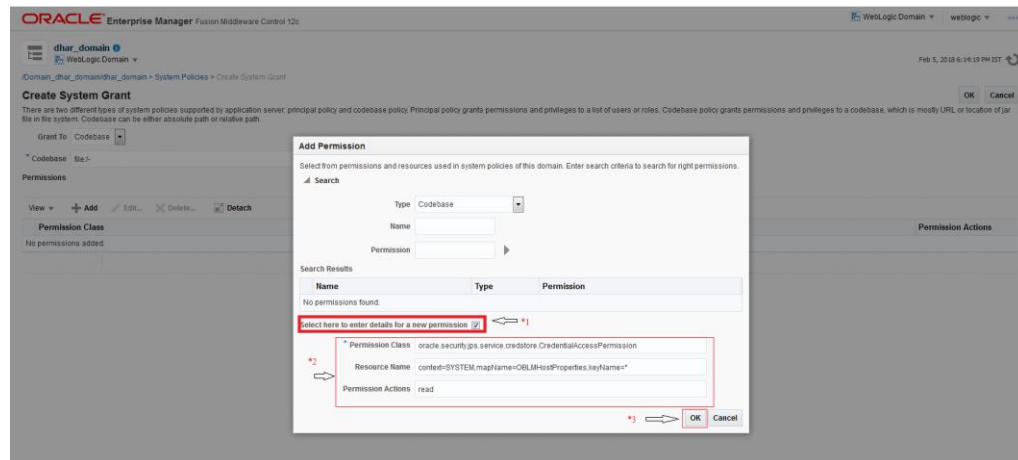


- Check **Select here to enter details for a new permission** checkbox in the opened pop-up window.
- Enter the following details in respective textbox below the checkbox and click ok.

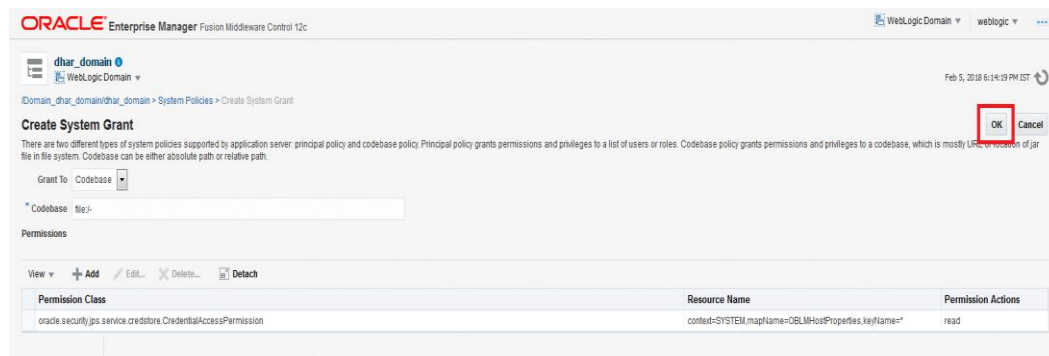
Permission Class - oracle.security.jps.service.credstore.CredentialAccessPermission

Resource Name - context=SYSTEM,mapName=OBLMHostProperties,keyName=*

Permission Actions – read



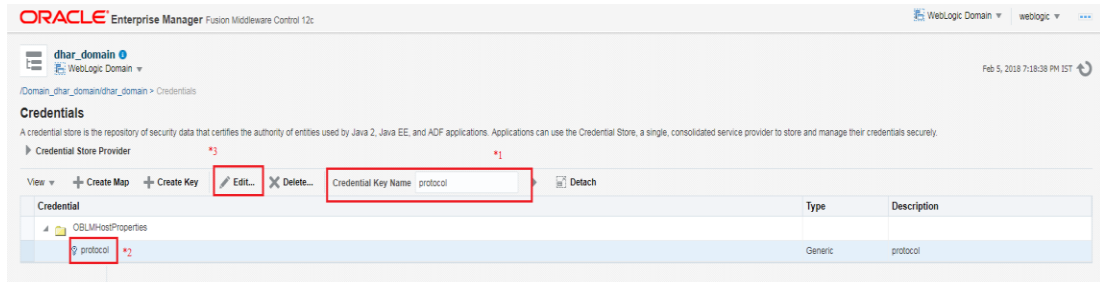
- The system grant details can be found under Permissions. Click **“OK”** to save the System Policy.



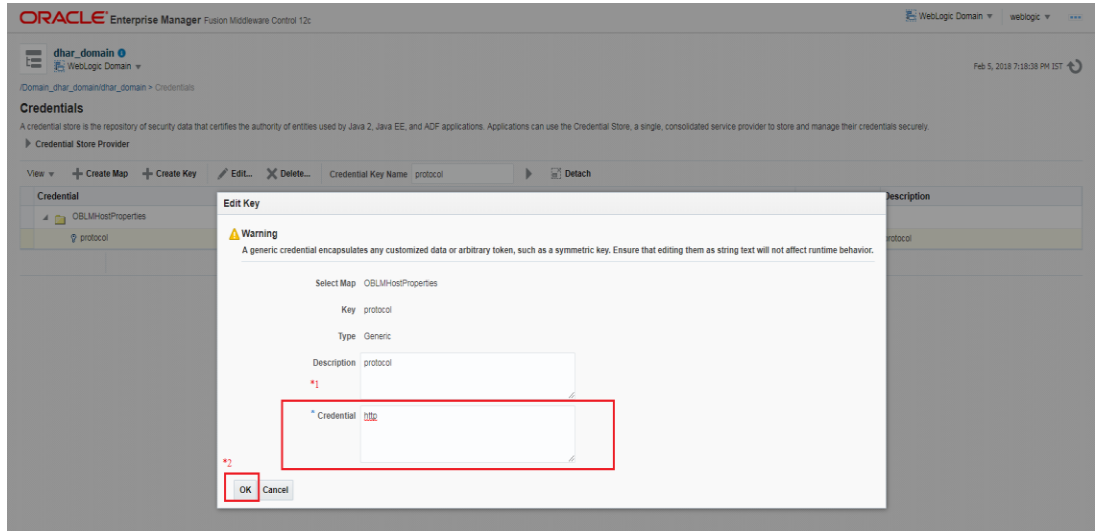
- Edit **OBLMHostProperties** under WebLogicDomain→Security→Credentials menu.

Search for **protocol** in **Credential Key Name** search box.

Click on the key value protocol and click on **“Edit”**



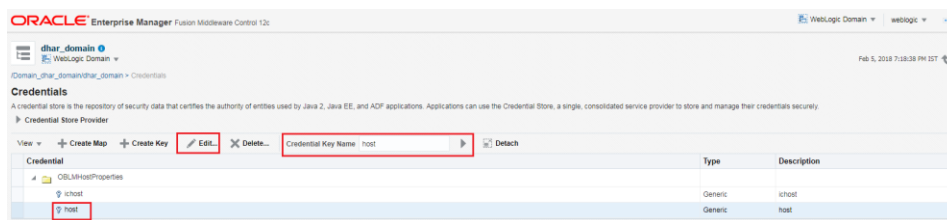
Protocol = http or https based on the protocol setting of the server



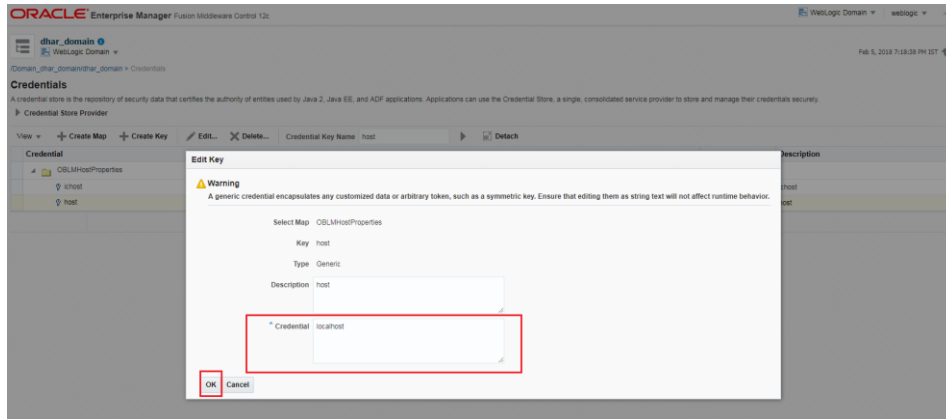
Click **“OK”** to save the protocol key value.

Search for **host** in **Credential Key Name** search box.

Click on the key value **host** and click on **“Edit”**



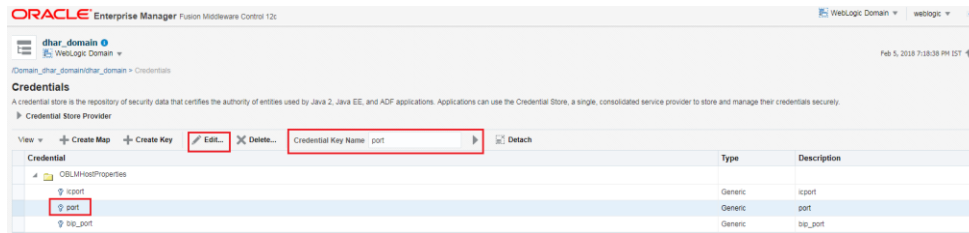
Host = Host Name or IP of the Server that is Listening Address



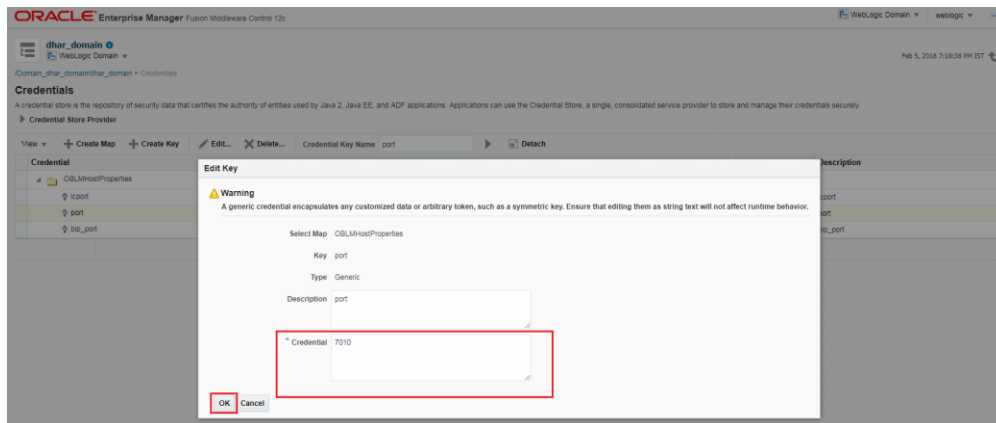
Click “Ok” to save the host key value.

Search for **port** in **Credential Key Name** search box.

Click on the key value port and click on “Edit”



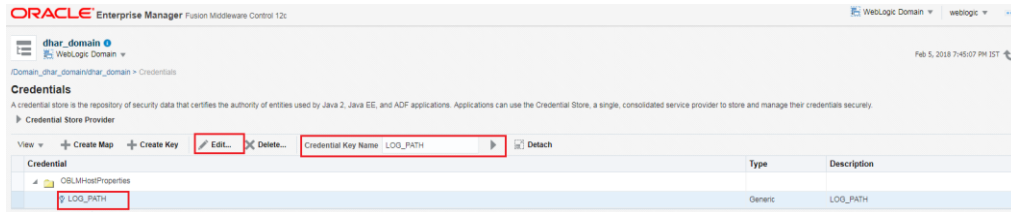
Port = Listening Port of the managed server (LM_SERVER)



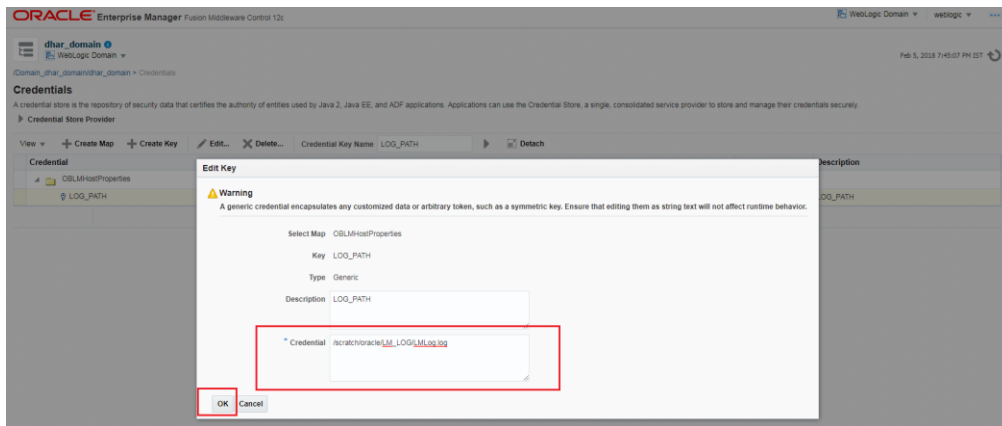
Click “Ok” to save the port key value.

Search for **LOG_PATH** in **Credential Key Name** search box.

Click on the key value port and click on “Edit”



****Note:** Create folder as mentioned in **LOG_PATH** variable following the same folder structure. Folder and filenames are case sensitive.



Click “Ok” to save the LOG_PATH key value.

Similarly update the following properties related to stand-alone Interest and charges module.

- ichost
- icport
- icappurl

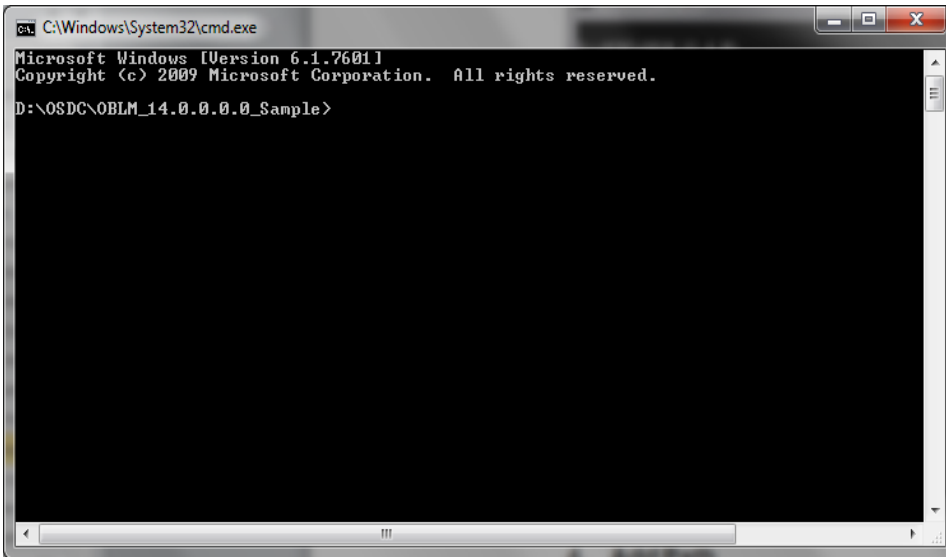
Ex:

```

ichost = 10.184.133.115
icport = 8003
icappurl = /ICServices/Proxies

```

14. Open the Command prompt and Point it to the OSDC package location

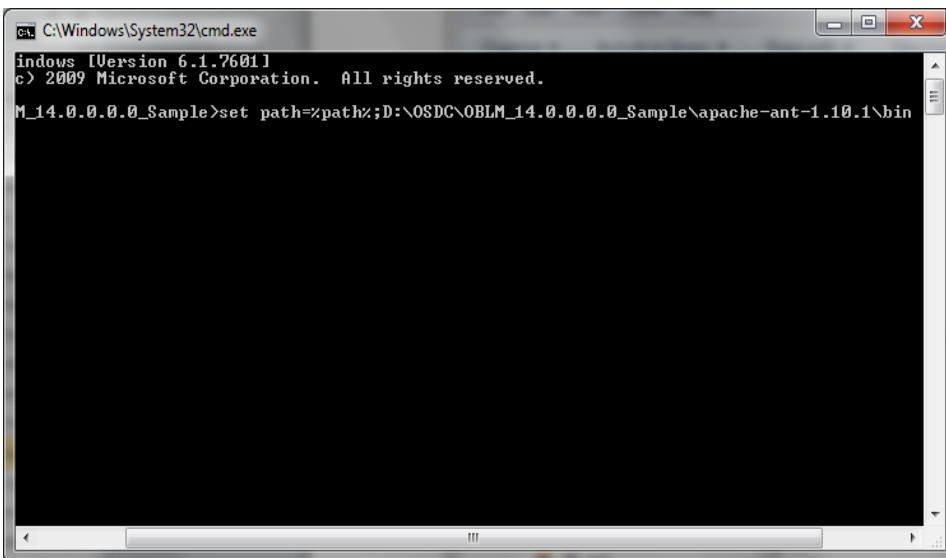


```
C:\Windows\System32\cmd.exe
Microsoft Windows [Version 6.1.7601]
Copyright (c) 2009 Microsoft Corporation. All rights reserved.
D:\OSDC\OBLM_14.0.0.0_Sample>
```

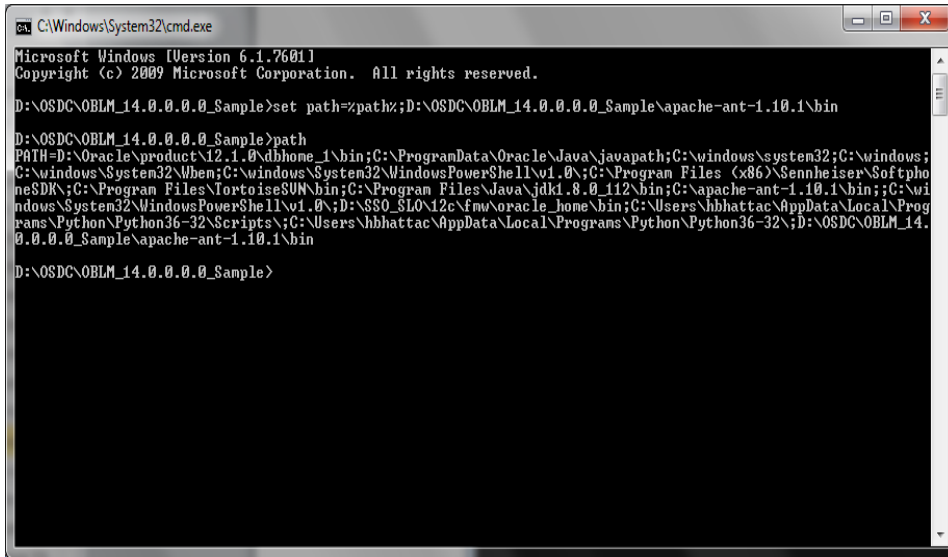
15. Add Path

Set the Ant path using the following Commands

set path=%path%;D:\OSDC\OBLM_14.0.0.0_Sample\apache-ant-1.10.1\bin



```
C:\Windows\System32\cmd.exe
Microsoft Windows [Version 6.1.7601]
Copyright (c) 2009 Microsoft Corporation. All rights reserved.
D:\OSDC\OBLM_14.0.0.0_Sample>set path=%path%;D:\OSDC\OBLM_14.0.0.0_Sample\apache-ant-1.10.1\bin
```



```
C:\Windows\System32\cmd.exe
Microsoft Windows [Version 6.1.7601]
Copyright (c) 2009 Microsoft Corporation. All rights reserved.

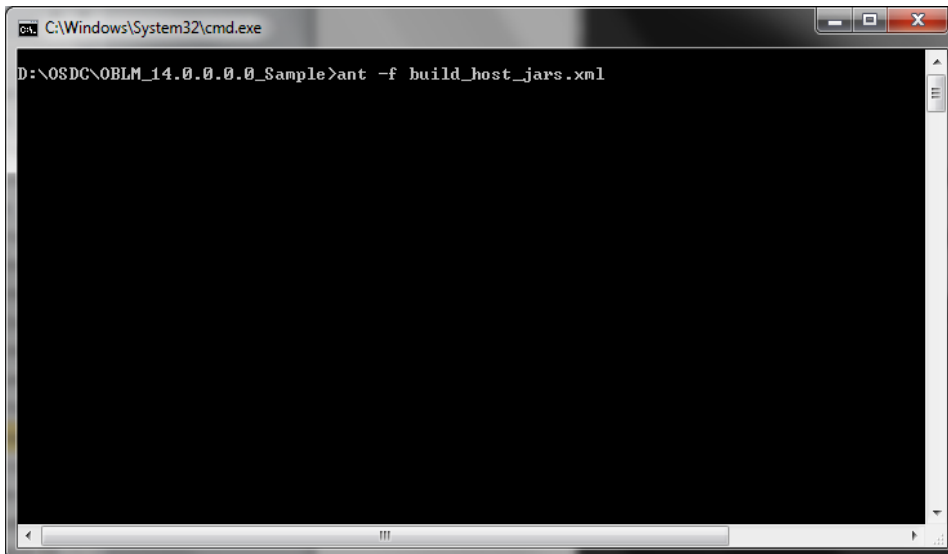
D:\OSDC\OBLM_14.0.0.0_Sample>set path=%path%;D:\OSDC\OBLM_14.0.0.0_Sample\apache-ant-1.10.1\bin

D:\OSDC\OBLM_14.0.0.0_Sample>path
PATH=D:\Oracle\product\12.1.0\dbhome_1\bin;C:\ProgramData\Oracle\Java\javapath;C:\windows\system32;C:\windows;
C:\windows\system32\Wbem;C:\windows\System32\WindowsPowerShell\v1.0\;C:\Program Files (x86)\Sennheiser\Softpho
neSDR\C:\Program Files\TortoiseSUN\bin;C:\Program Files\Java\jdk1.8.0_112\bin;C:\apache-ant-1.10.1\bin;C:\wi
ndows\System32\WindowsPowerShell\v1.0\;D:\SSO_SLO\12c\fw\oracle_home\bin;C:\Users\hbhattac\AppData\Local\Prog
rams\Python\Python36-32\Scripts\;C:\Users\hbhattac\AppData\Local\Programs\Python\Python36-32\;D:\OSDC\OBLM_14.
0.0.0_Sample\apache-ant-1.10.1\bin

D:\OSDC\OBLM_14.0.0.0_Sample>
```

16. Enter the following command to build the Host side class files.

“ant -f build_host_jars.xml” and press **“Enter”**



```
C:\Windows\System32\cmd.exe

D:\OSDC\OBLM_14.0.0.0_Sample>ant -f build_host_jars.xml
```

```
C:\Windows\System32\cmd.exe
hive\com.offss-glm.module.ejb.flexcube.jar
build-iframe.jar:
[Jar] Building jar: D:\OSDC\OBLM 12.4.0\HostWorkspace\host12.2.1\build\arc
hive\com.offss-glm.module.ejb.inra.jar
build-dashBoard.jar:
[Jar] Building jar: D:\OSDC\OBLM 12.4.0\HostWorkspace\host12.2.1\build\arc
hive\com.offss-glm.module.ejb.dashboard.jar
build-FileUpload.jar:
[Jar] Building jar: D:\OSDC\OBLM 12.4.0\HostWorkspace\host12.2.1\build\arc
hive\com.offss-glm.module.ejb.fileupload.jar
build-reports.jar:
[Jar] Building jar: D:\OSDC\OBLM 12.4.0\HostWorkspace\host12.2.1\build\arc
hive\com.offss-glm.module.ejb.reports.jar
build-Simulation.jar:
[Jar] Building jar: D:\OSDC\OBLM 12.4.0\HostWorkspace\host12.2.1\build\arc
hive\com.offss-glm.module.ejb.simulation.jar
build-SMS.jar:
[Jar] Building jar: D:\OSDC\OBLM 12.4.0\HostWorkspace\host12.2.1\build\arc
hive\com.offss-glm.module.ejb.SMS.jar
build-fc.jar:
[Jar] Building jar: D:\OSDC\OBLM 12.4.0\HostWorkspace\host12.2.1\build\arc
hive\com.offss-glm.module.ejb.fc.jar
build-PaymentHandoff.jar:
[Jar] Building jar: D:\OSDC\OBLM 12.4.0\HostWorkspace\host12.2.1\build\arc
hive\com.offss-glm.module.ejb.paymenthandoff.jar
build-liquiditygrp.jar:
[Jar] Building jar: D:\OSDC\OBLM 12.4.0\HostWorkspace\host12.2.1\build\arc
hive\com.offss-glm.module.ejb.liquiditygrp.jar
build-setup.jar:
[Jar] Building jar: D:\OSDC\OBLM 12.4.0\HostWorkspace\host12.2.1\build\arc
hive\com.offss-glm.module.ejb.setup.jar
build-structuremanagement.jar:
[Jar] Building jar: D:\OSDC\OBLM 12.4.0\HostWorkspace\host12.2.1\build\arc
hive\com.offss-glm.module.ejb.structuremanagement.jar
build-sweep.jar:
[Jar] Building jar: D:\OSDC\OBLM 12.4.0\HostWorkspace\host12.2.1\build\arc
hive\com.offss-glm.module.ejb.sweep.jar
build-batch.jar:
[Jar] Building jar: D:\OSDC\OBLM 12.4.0\HostWorkspace\host12.2.1\build\arc
hive\com.offss-glm.module.ejb.batch.jar
build-pool.jar:
[Jar] Building jar: D:\OSDC\OBLM 12.4.0\HostWorkspace\host12.2.1\build\arc
hive\com.offss-glm.module.ejb.pool.jar
build-Eod.jar:
[Jar] Building jar: D:\OSDC\OBLM 12.4.0\HostWorkspace\host12.2.1\build\arc
hive\com.offss-glm.module.ejb.eod.jar
create-war:
[war] Building war: D:\OSDC\OBLM 12.4.0\HostWorkspace\host12.2.1\build\arc
hive\com.offss-glm.appx.client.proxy.war
build-ear:
[ear] Building ear: D:\OSDC\OBLM 12.4.0\HostWorkspace\host12.2.1\build\arc
hive\com.offss-glm.ear
[echo] ear build successfully
copy:
[copy] Copying 2 files to D:\OSDC\OBLM 12.4.0\UIReleasedArea\host
copyEar:
[copy] Copying 1 file to D:\OSDC\OBLM 12.4.0\UIReleasedArea\Deploy\host
BUILD SUCCESSFUL
Total time: 2 seconds
D:\OSDC\OBLM 12.4.0>
```

17. Enter the following command to build the UI side class files.

“ant -f buildUiJars.xml” and press **“Enter”**

```
C:\Windows\System32\cmd.exe
D:\OSDC\OBLM_14.0.0.0_Sample>ant -f buildUiJars.xml
```

```

C:\Windows\System32\cmd.exe
Microsoft Windows [Version 6.0.6002.18005]
Copyright (c) 2009 Microsoft Corporation. All rights reserved.

D:\OSDC\OBLM_12.4.0>
init-lib:
clean-lib:
build-jar:
  [jar] Building jar: D:\OSDC\OBLM_12.4.0\UIWorkpace\modules\SMS\com.ofss.g
  im.ui.taskf lows.sms.usercreation\deploy\SMS_comOfssGimUITaskf lowsSmsUsercreation
  .jar
  [copy] Copying 1 file to D:\OSDC\OBLM_12.4.0\UIWorkpace\main\com.ofss.gim
  ui.view\lib
init-lib:
clean-lib:
build-jar:
  [jar] Building jar: D:\OSDC\OBLM_12.4.0\UIWorkpace\modules\SMS\com.ofss.g
  im.ui.taskf lows.sms.usermaintenance\deploy\SMS_comOfssGimUITaskf lowsSmsUsermaint
  enance.jar
  [copy] Copying 1 file to D:\OSDC\OBLM_12.4.0\UIWorkpace\main\com.ofss.gim
  ui.view\lib
init-lib:
clean-lib:
build-jar:
  [jar] Building jar: D:\OSDC\OBLM_12.4.0\UIWorkpace\modules\Interest\Rule\
  taskf lows.com.ofss.gim.ui.taskf lows.glow.interest.setup\com.ofss.gim
  ui.view\lib
  [copy] Copying 1 file to D:\OSDC\OBLM_12.4.0\UIWorkpace\main\com.ofss.gim
  ui.view\lib
init-lib:
clean-lib:
build-jar:
  [jar] Building jar: D:\OSDC\OBLM_12.4.0\UIWorkpace\modules\Setup\com.ofss
  .gim.ui.taskf lows.setup\deploy\com.ofss.gim.ui.taskf lows.setup.jar
  [copy] Copying 1 file to D:\OSDC\OBLM_12.4.0\UIWorkpace\main\com.ofss.gim
  ui.view\lib
init-lib:
clean-lib:
build-jar:
  [jar] Building jar: D:\OSDC\OBLM_12.4.0\UIWorkpace\modules\Batch\com.ofss
  .gim.ui.taskf lows.batch.reverse.suspension\deploy\ReverseSuspension_comOfssG
  imUITaskf lowsBatchReverseSuspension.jar
  [copy] Copying 1 file to D:\OSDC\OBLM_12.4.0\UIWorkpace\main\com.ofss.gim
  ui.view\lib
init-lib:
clean-lib:
create-war:
  [war] Building war: D:\OSDC\OBLM_12.4.0\UIWorkpace\main\com.ofss.gim.ui.v
  ew\deploy\oblm01.war
clean-adv-loc:
build-adv-loc:
  [jar] Building MANIFEST-only jar: D:\OSDC\OBLM_12.4.0\lib\adv-loc.jar
build-ear:
  [ear] Building ear: D:\OSDC\OBLM_12.4.0\UIReleaseArea\Deploy\ui\buildScri
  pt\GLPSE011.ear
  [warning] Selected ear files include a META-INF/application.xml which
  will be ignored (please use appxml attribute to ear task)
  [echo] ear build successfully
  [echo] UI jars Created
BUILD SUCCESSFUL
Total time: 6 seconds
D:\OSDC\OBLM_12.4.0>

```

2.2.8 Build Interest & Charges Executable Files

Set-up application configuration file

1. Open the Command prompt and Point it to the StandaloneIC OSDC package location

```

C:\Windows\System32\cmd.exe
Microsoft Windows [Version 6.1.7601]
Copyright (c) 2009 Microsoft Corporation. All rights reserved.

D:\OSDC\OBLM_14.0.0.0.0_Sample>

```

2. Add Path

Set the Ant path using the following Commands

set path=%path%;D:\OSDC\OBLM_14.0.0.0.0_Sample\apache-ant-1.10.1\bin

```
C:\Windows\System32\cmd.exe
Microsoft Windows [Version 6.1.7601]
(c) 2009 Microsoft Corporation. All rights reserved.

D:\OSDC\OBLM_14.0.0.0_Sample>set path=%path%;D:\OSDC\OBLM_14.0.0.0_Sample\apache-ant-1.10.1\bin
```

```
C:\Windows\System32\cmd.exe
Microsoft Windows [Version 6.1.7601]
Copyright (c) 2009 Microsoft Corporation. All rights reserved.

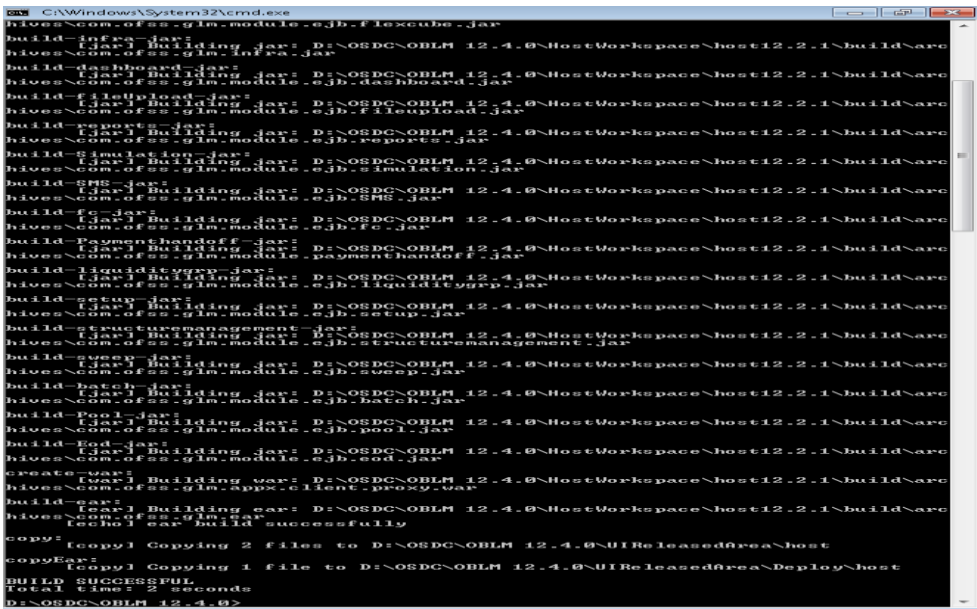
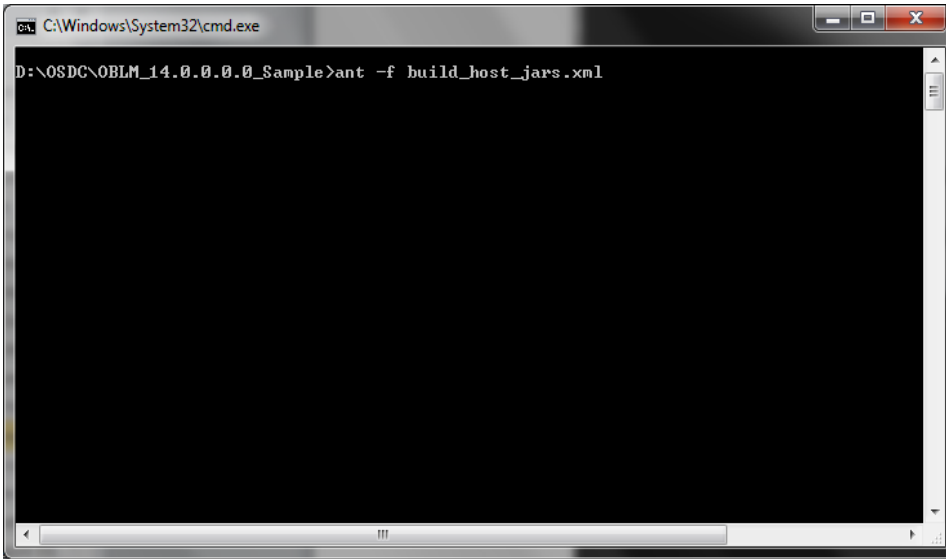
D:\OSDC\OBLM_14.0.0.0_Sample>set path=%path%;D:\OSDC\OBLM_14.0.0.0_Sample\apache-ant-1.10.1\bin

D:\OSDC\OBLM_14.0.0.0_Sample>path
PATH=D:\Oracle\product\12.1.0\dbhome_1\bin;C:\ProgramData\Oracle\Java\javapath;C:\windows\system32;C:\windows;
C:\windows\System32\Wbem;C:\windows\System32\WindowsPowerShell\v1.0\;C:\Program Files (x86)\Sennheiser\SoftphoneSDR\;C:\Program Files\TortoiseSVN\bin;C:\Program Files\Java\jdk1.8.0_112\bin;C:\apache-ant-1.10.1\bin;C:\wi
ndows\System32\WindowsPowerShell\v1.0\;D:\SSO_SLO\12c\fw\oracle_home\bin;C:\Users\hbbhattac\AppData\Local\Prog
rams\Python\Python36-32\Scripts\;C:\Users\hbbhattac\AppData\Local\Programs\Python\Python36-32\;D:\OSDC\OBLM_14.
0.0.0_Sample\apache-ant-1.10.1\bin

D:\OSDC\OBLM_14.0.0.0_Sample>
```

3. Enter the following command to build the Host side class files.

“ant -f build_host_jars.xml” and press **“Enter”**



4. Enter the following command to build the UI side class files.

“ant -f buildUiJars.xml” and press **“Enter”**

```

C:\Windows\System32\cmd.exe
D:\OSDC\OBLM_14.0.0.0_Sample>ant -f buildUiJars.xml

```

```

C:\Windows\System32\cmd.exe
ui-view-lib
init-lib:
clean-lib:
build-jar:
[Jar] Building jar: D:\OSDC\OBLM_12.4.0\UIWorkspace\modules\SMS\com.ofss.g
lm.ui.taskflow.sms.usercreation\deploy\SMS_com_ofss_glm_ui_taskflow_sms_usercreation
-124.jar
[Copy] Copying 1 file to D:\OSDC\OBLM_12.4.0\UIWorkspace\main\com.ofss.glm
ui-view-lib
init-lib:
clean-lib:
build-jar:
[Jar] Building jar: D:\OSDC\OBLM_12.4.0\UIWorkspace\modules\SMS\com.ofss.g
lm.ui.taskflow.sms.usercreation\deploy\SMS_com_ofss_glm_ui_taskflow_sms_usercreation
-124.jar
[Copy] Copying 1 file to D:\OSDC\OBLM_12.4.0\UIWorkspace\main\com.ofss.glm
ui-view-lib
init-lib:
clean-lib:
build-jar:
[Jar] Building jar: D:\OSDC\OBLM_12.4.0\UIWorkspace\modules\Interact\Rule
TaskFlow\com.ofss.glm.ui.taskflow.viz.interact.setup.124.jar
[Copy] Copying 1 file to D:\OSDC\OBLM_12.4.0\UIWorkspace\main\com.ofss.glm
ui-view-lib
init-lib:
clean-lib:
build-jar:
[Jar] Building jar: D:\OSDC\OBLM_12.4.0\UIWorkspace\modules\Setup\com.ofss
.glm.ui.taskflow.setup\deploy\com.ofss.glm.ui.taskflow.setup-124.jar
[Copy] Copying 1 file to D:\OSDC\OBLM_12.4.0\UIWorkspace\main\com.ofss.glm
ui-view-lib
init-lib:
clean-lib:
build-jar:
[Jar] Building jar: D:\OSDC\OBLM_12.4.0\UIWorkspace\modules\Batch\com.ofss
.glm.ui.taskflow.batch.reverseengine\deploy\BatchReverseEngine-124.jar
[Copy] Copying 1 file to D:\OSDC\OBLM_12.4.0\UIWorkspace\main\com.ofss.glm
ui-view-lib
init-lib:
clean-lib:
create-war:
[War] Building war: D:\OSDC\OBLM_12.4.0\UIWorkspace\main\com.ofss.glm.ui.v
iew\deploy\webapp1.war
clean-adt-loc:
build-adt-loc:
[Jar] Building MANIFEST-only jar: D:\OSDC\OBLM_12.4.0\lib\adt-loc.jar
build-ear:
[Jar] Building ear: D:\OSDC\OBLM_12.4.0\UIReleaseArea\Deploy\ui\buildScri
pt\GLPSEhell-ear
[Warning] Mapping: selected ear files include a META-INF/application.xml which
will be ignored since the current attribute to ear task?
locbld-ear build successfully
[Info] EE Jars Created
BUILD SUCCESSFUL
Total time: 6 seconds
D:\OSDC\OBLM_12.4.0>

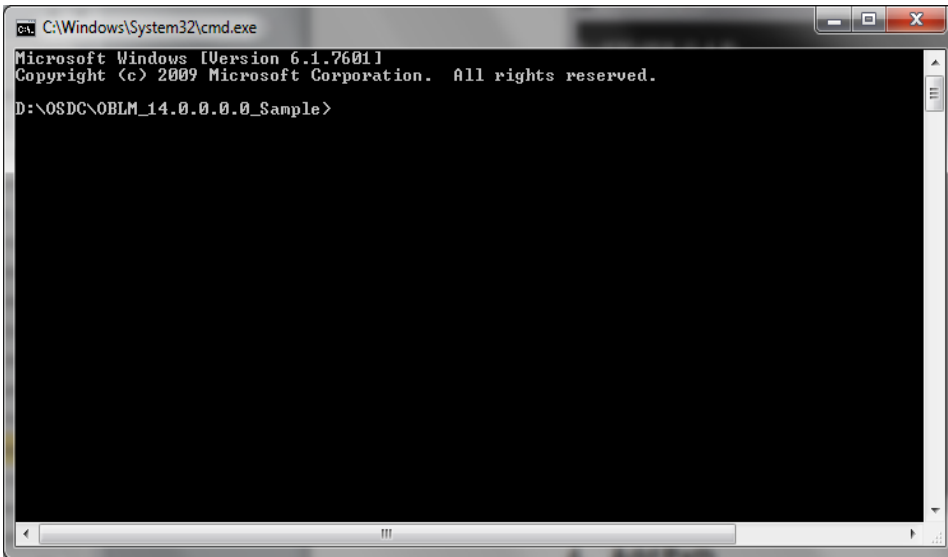
```

2.2.9 Deploy Liquidity Management Executable Files

NOTE : If Oracle Fusion Middleware 12c Infrastructure (Example: Weblogic Server) is installed and any domain is available in local system, deployment can be done using the script, see section 2.2.6.1 else Manual Deployment can be done, see section 2.2.6.2.

2.2.9.1 Deployment using Scripts

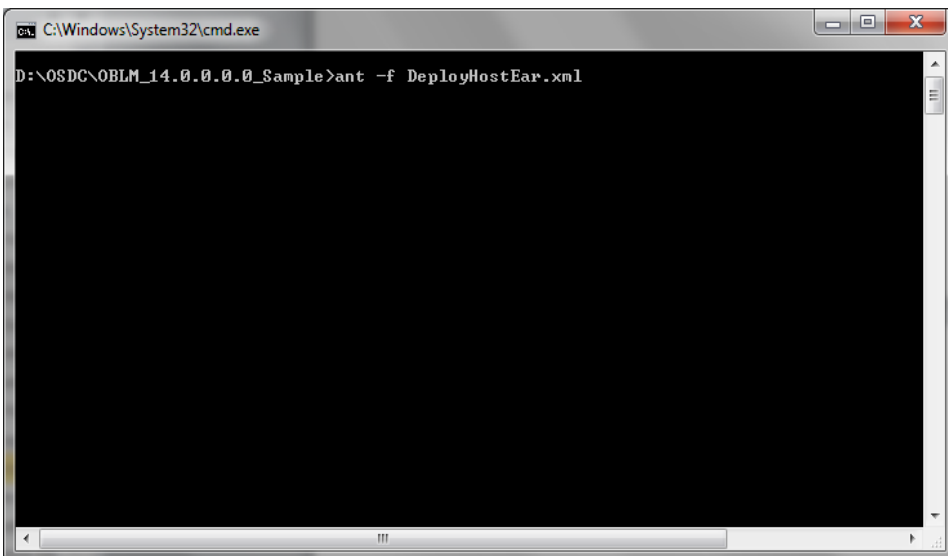
1. Open the Command prompt and Point it to the OSDC package location



```
C:\Windows\System32\cmd.exe
Microsoft Windows [Version 6.1.7601]
Copyright (c) 2009 Microsoft Corporation. All rights reserved.
D:\OSDC\OBLM_14.0.0.0_Sample>
```

2. Enter the following command to deploy the Host EAR file.

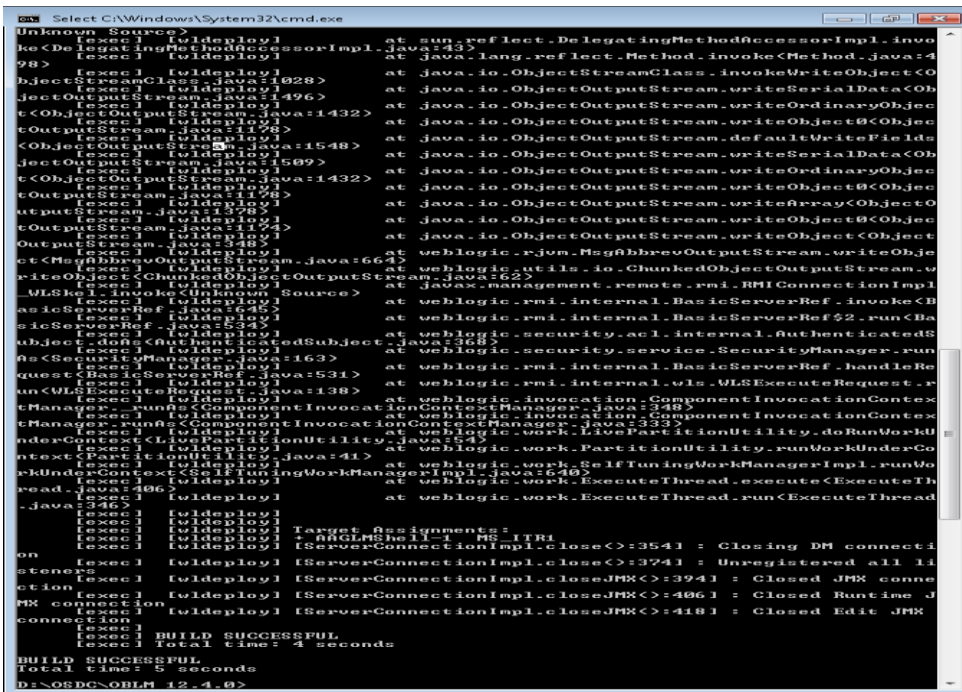
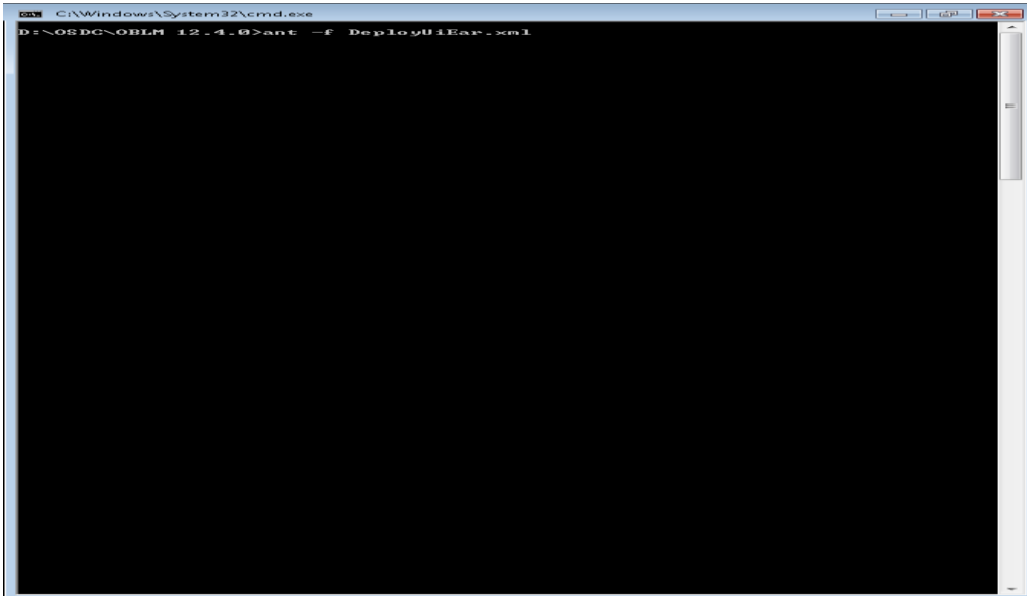
“ant -f DeployhostEar.xml” and press “Enter” (Windows System)



```
C:\Windows\System32\cmd.exe
D:\OSDC\OBLM_14.0.0.0_Sample>ant -f DeployHostEar.xml
```

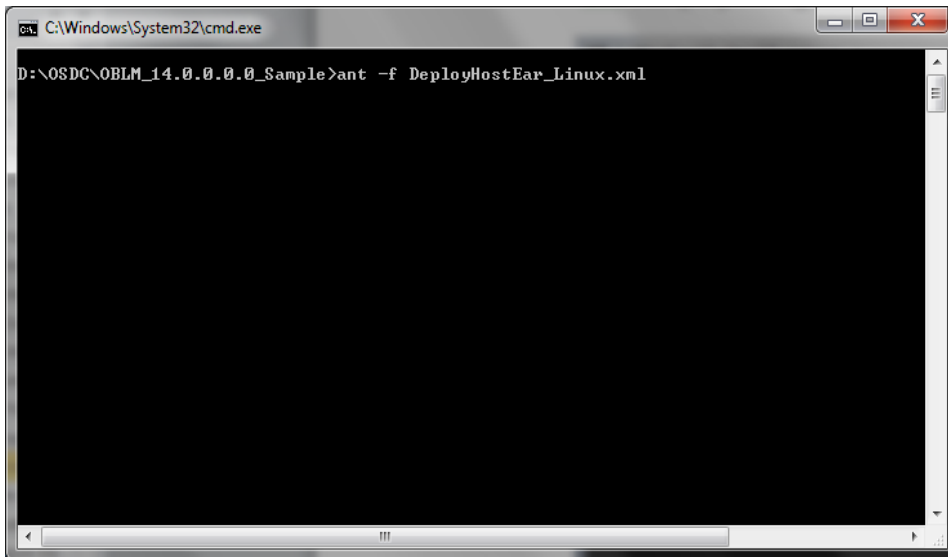

3. Enter the following command to deploy the UI EAR file.

“ant -f DeployUIEar.xml” and press **“Enter”** (Windows System)



[Note: If user is having Linux system use the following command]

“ant -f DeployUiEar_Linux.xml” and press “Enter” (Linux System)



```
C:\Windows\System32\cmd.exe
D:\OSDC\OBLM_14.0.0.0_Sample>ant -f DeployHostEar_Linux.xml
```

2.2.9.2 Deployment of IC module using Scripts

1. Change the Following values in **build.properties** file under the OSDC StandaloneIC source

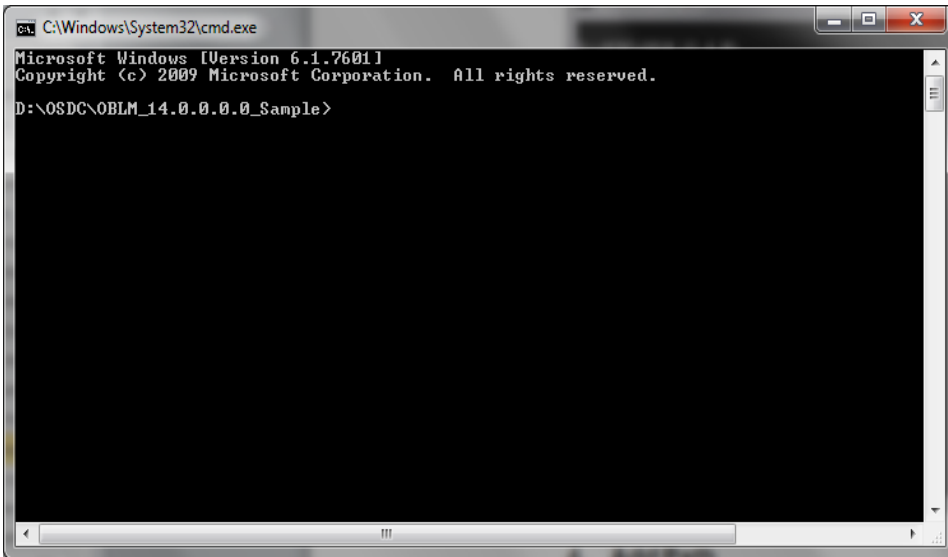
```
1 #Wed Apr 08 12:14:57 IST 2017
2
3 install.dir=D:\ILM\FMW_Installation
4 domain.path=\scratch\oraofss\Oracle\Middleware\Oracle_Home\user_projects\domains\stg_domain
5 domain.name=fmw_domain
6 host=10.184.133.115
7 port=8003
8
9 wls.ui.url=t3://10.184.133.115:8001
10 wls.ui.server.name=LM_SERVER
11 wls.ui.deploy.name=StandaloneICUI-1
12 wls.ui.userName=weblogic
13 wls.ui.password=weblogic123
14 wls.ui.deploy.source=UIReleasedArea/Deploy/ui/buildScript/GLMShell.ear
15
16 wls.host.url=t3://10.184.133.115:8001
17 wls.host.server.name=LM_SERVER
18 wls.host.deploy.name=StandaloneICHost-1
19 wls.host.userName=weblogic
20 wls.host.password=weblogic123
21 wls.host.deploy.source=UIReleasedArea/Deploy/host/com.ofss.glm.ear
```

Use the following details:

- i. **install.dir**= Point to it to the weblogic home folder in the local system. For Example: "C:\Oracle\Middleware\Oracle_Home". (Change it to the format as shown in the figure)
- ii. **domain.path**= Point it to the weblogic domain folder created for the application (*i.e. oblm_domain*). (Change it to the format as shown in the figure)
- iii. **domain.name**= Enter the name of weblogic domain created in the local system. Leave it blank if no domain exists.
- iv. **wls.ui.url**= Enter URL of the Weblogic Console in the following format **t3://<ip_address>:<admin_server_port_no>**
- v. **wls.ui.username**= Enter the username of the Weblogic Console
- vi. **wls.ui.password**= Enter the password of the Weblogic Console
- vii. **wls.host.url**= Same as wls.ui.url
- viii. **wls.host.username**= Same as wls.ui.username
- ix. **wls.host.password**= Same as wls.ui.password

Define remaining properties as mentioned in above screen shot.

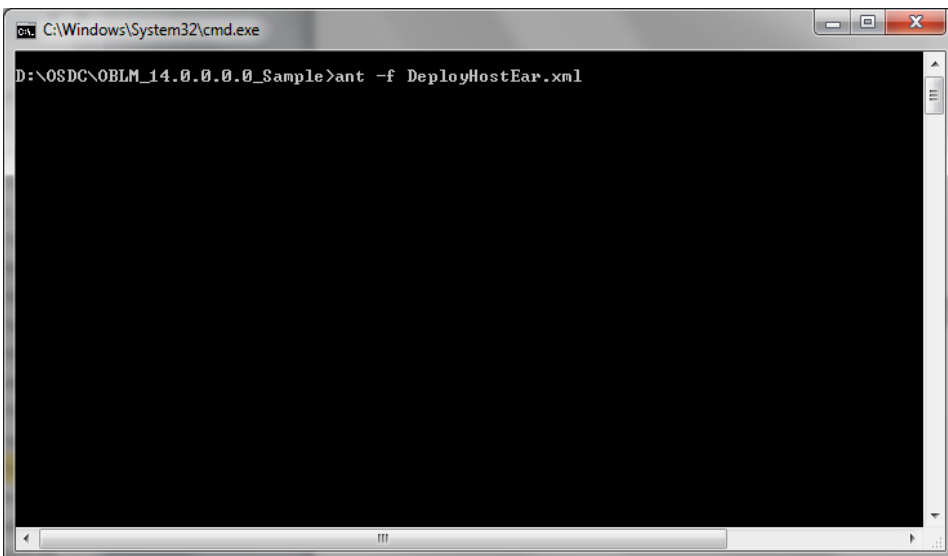
2. Open the Command prompt and Point it to the OSDC package location



```
C:\Windows\System32\cmd.exe
Microsoft Windows [Version 6.1.7601]
Copyright (c) 2009 Microsoft Corporation. All rights reserved.
D:\OSDC\OBLM_14.0.0.0_Sample>
```

3. Enter the following command to deploy the Host EAR file.

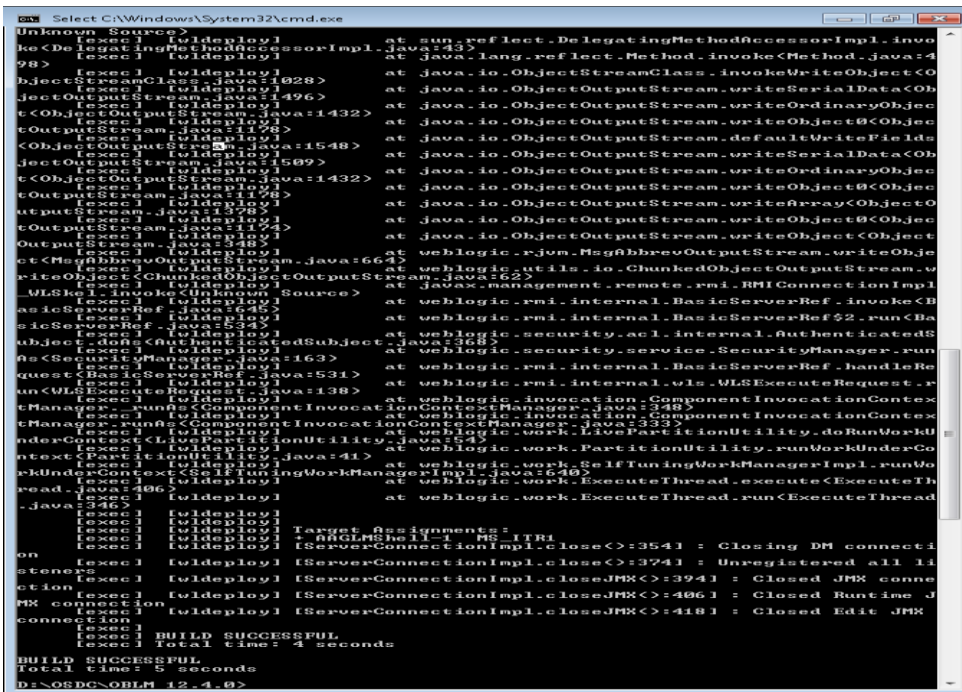
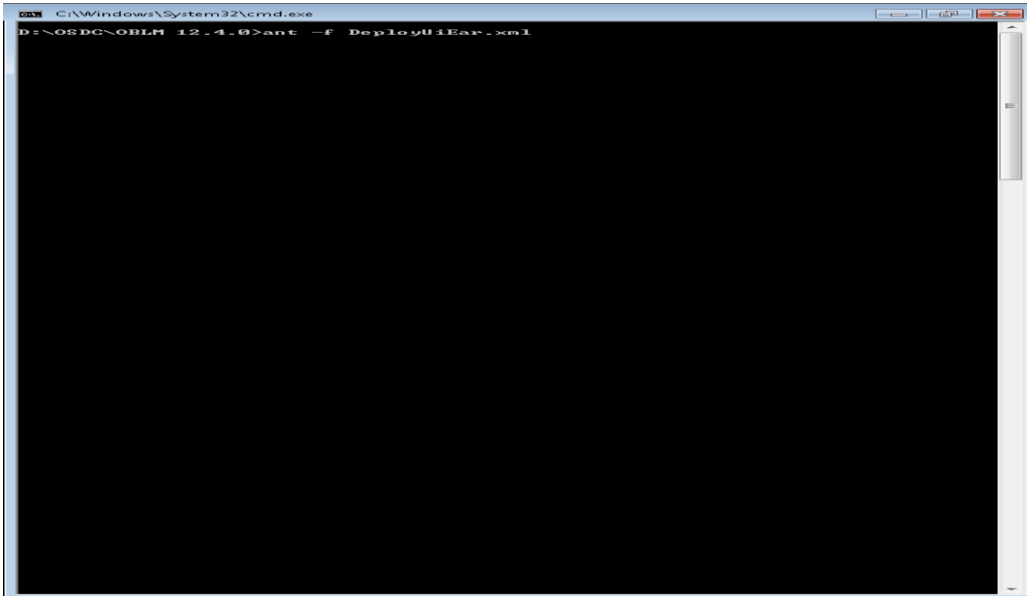
“ant -f DeployHostEar.xml” and press “Enter” (Windows System)



```
C:\Windows\System32\cmd.exe
D:\OSDC\OBLM_14.0.0.0_Sample>ant -f DeployHostEar.xml
```

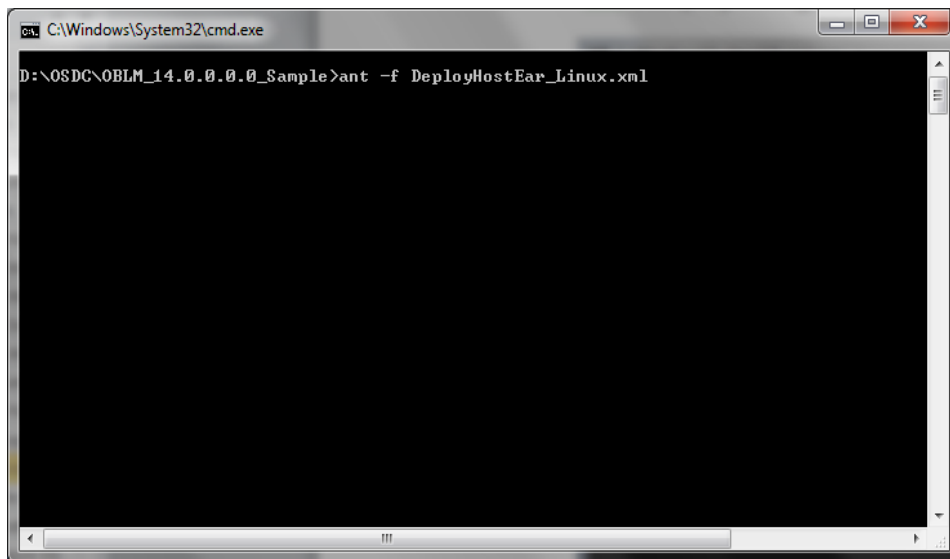

4. Enter the following command to deploy the UI EAR file.

“ant -f DeployUIEar.xml” and press **“Enter”** (Windows System)



[Note: If user is having Linux system use the following command]

“ant -f DeployUiEar_Linux.xml” and press “Enter” (Linux System)

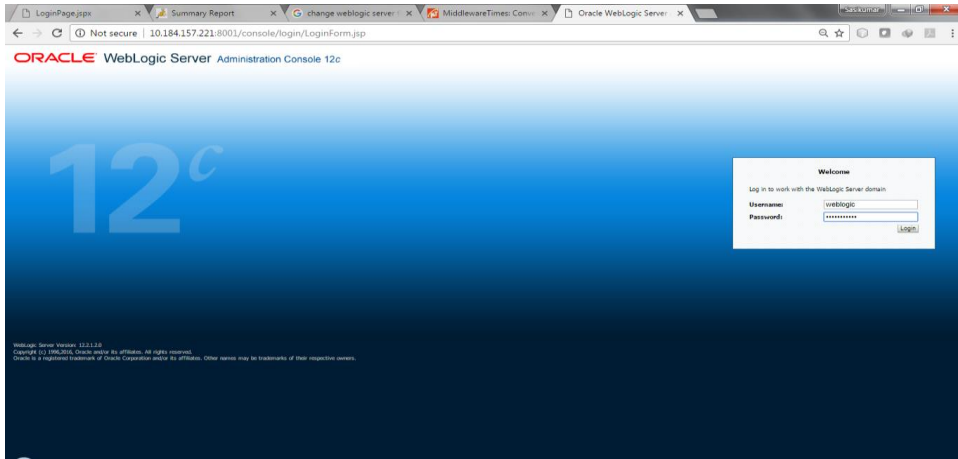


2.2.9.3 Manual Deployment:

For Manual Deployment, Ear (Enterprise Application aRchive) file can be deployed either from Local Machine or from server where Weblogic Server is installed, In case if deployment needs to be done from server then use FTP/SFTP client for Windows in order to move the Ear file to the server and do the deployment as given below. Suggested Software for FTP/SFTP client for Windows: **Winscp**

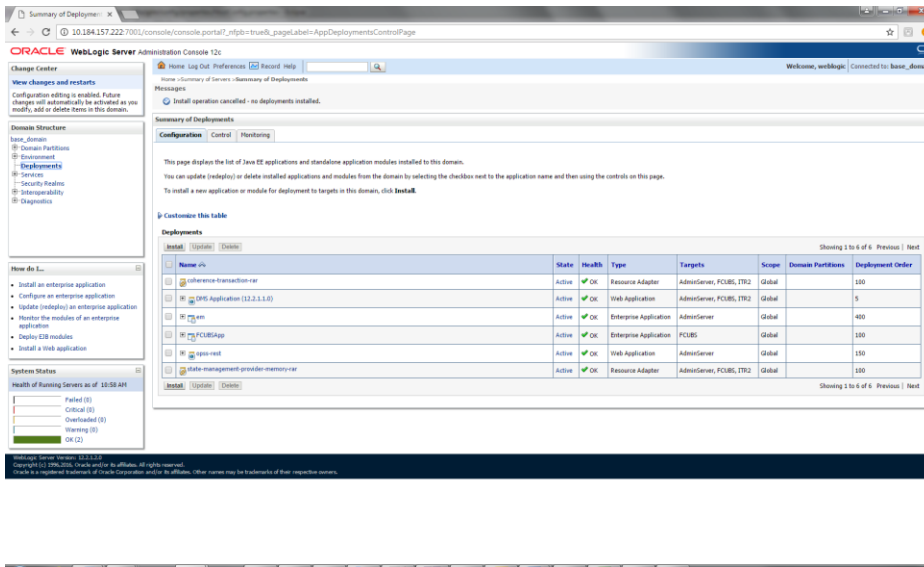
2.2.9.3.1 UI EAR Deployment

1. Give the credential in the console page that you have set in Administrator Account screen.

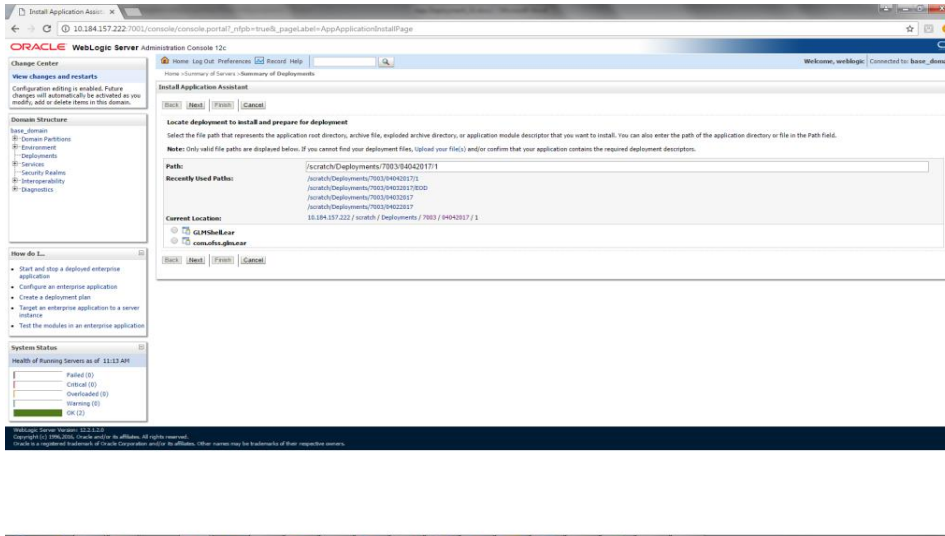


- Now we can see home screen. In home screen in the left side you will find Domain Structure column.

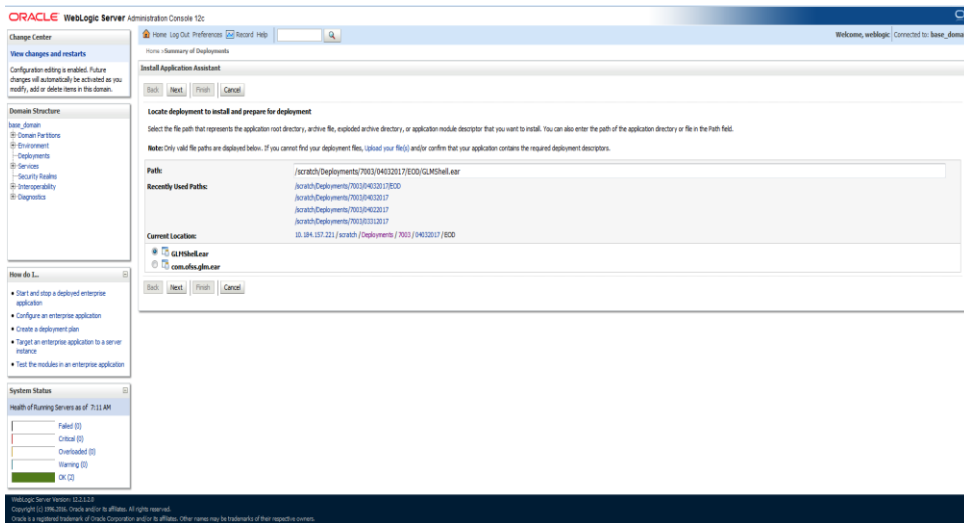
Click on **Deployments**.



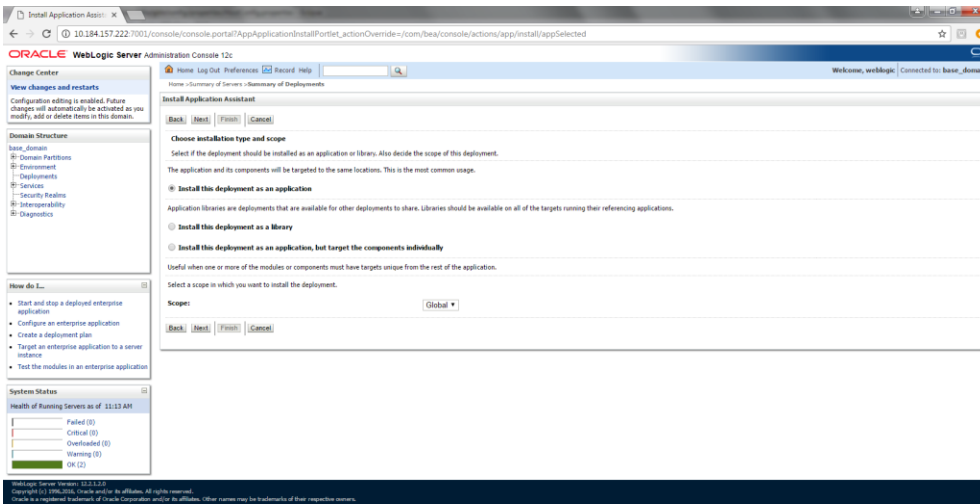
- Click on **Install** and go to the Drive Location where the EAR files are kept.



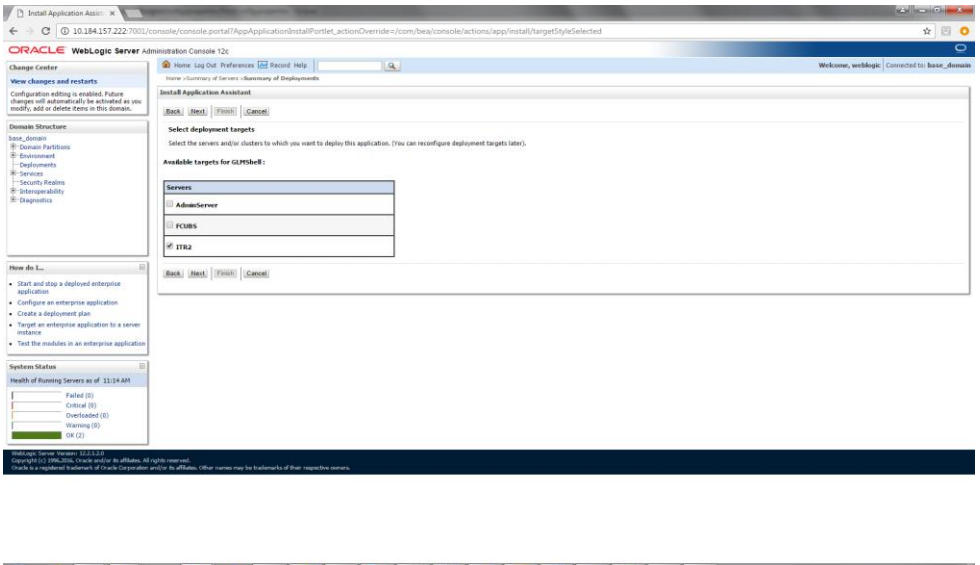
4. Select the UI EAR File **GLMShell.ear** and click on Next



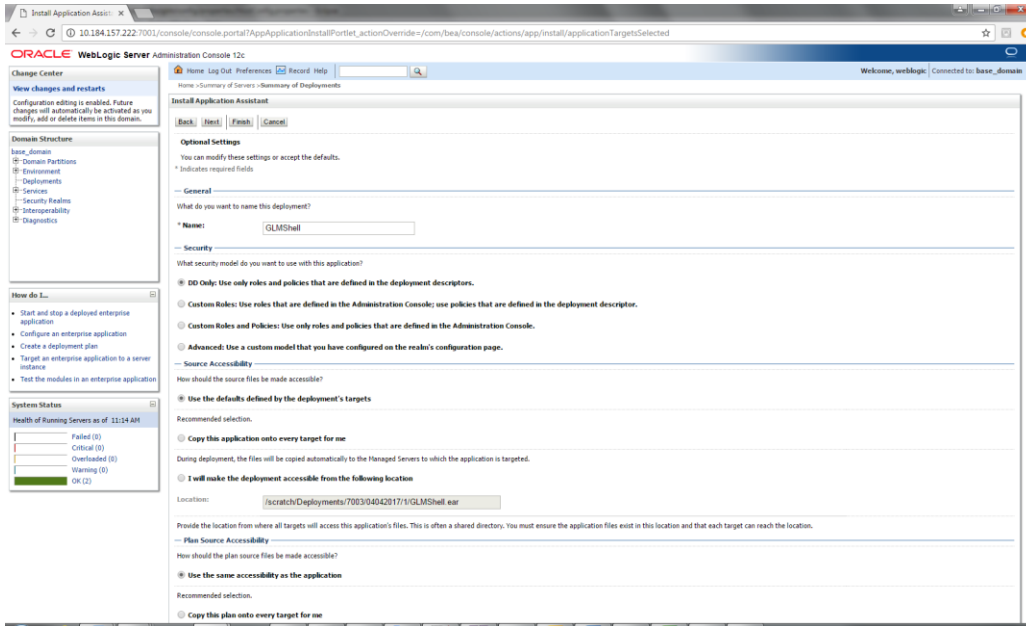
5. Click on Next



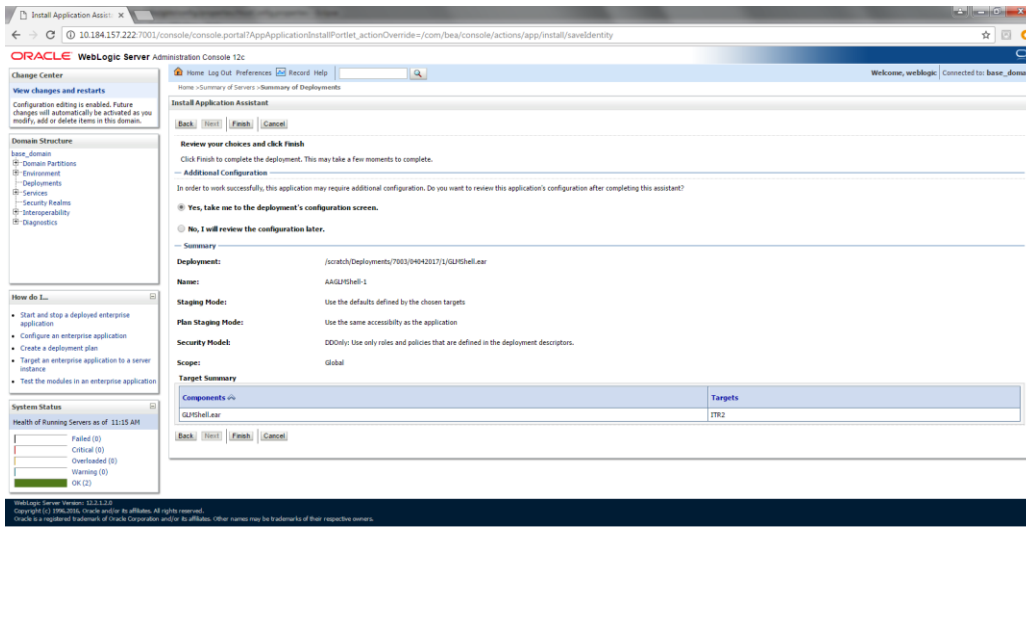
6. Select the **target Server** For example: ITR2



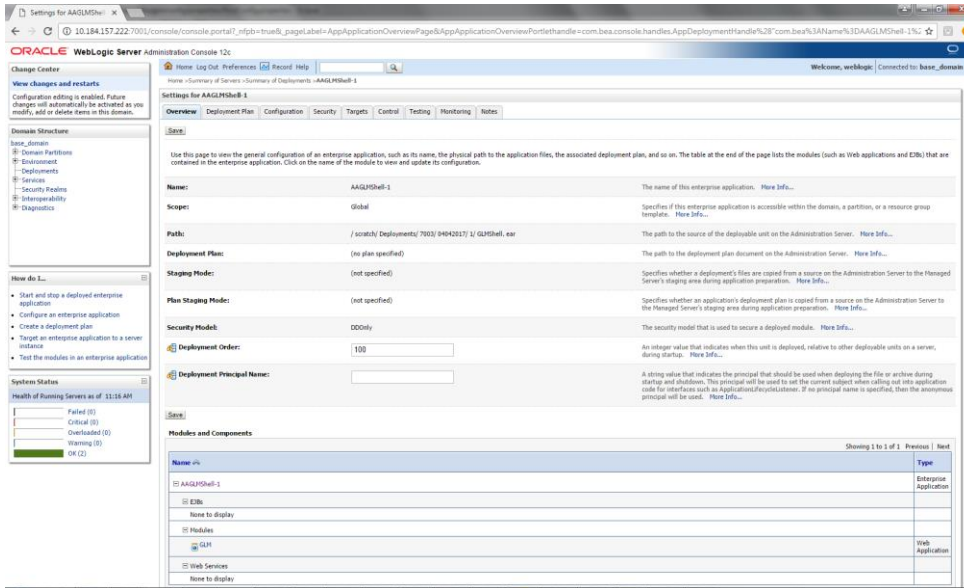
7. Select Name for the deployment file For Example: "GLMShell" and click on **Next**



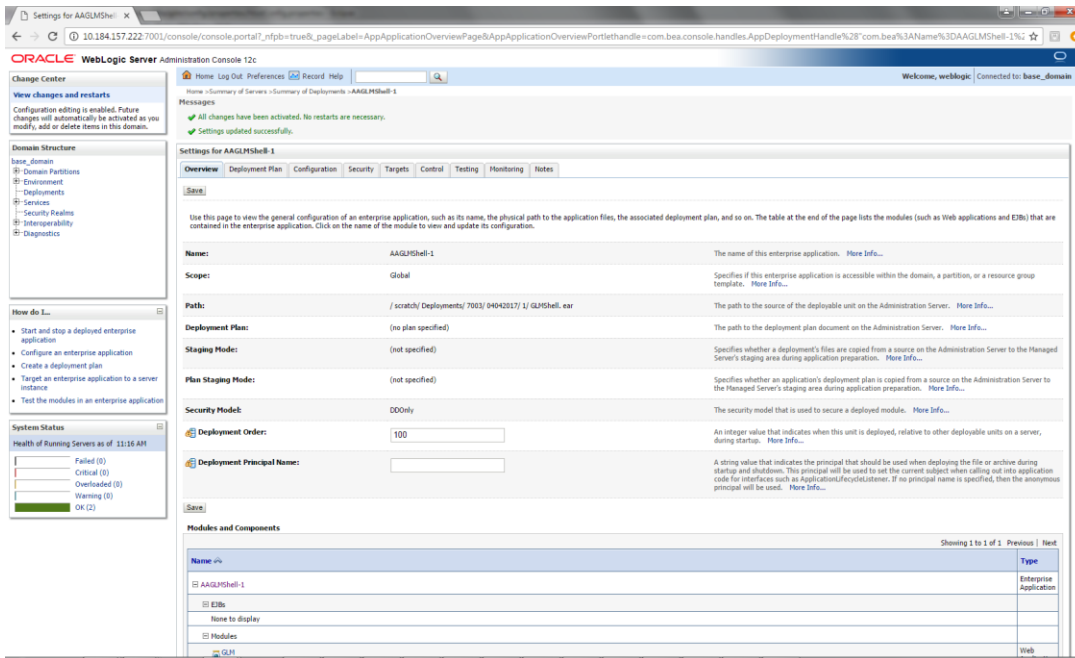
8. Click on **Finish**.



9. Click on **Save**

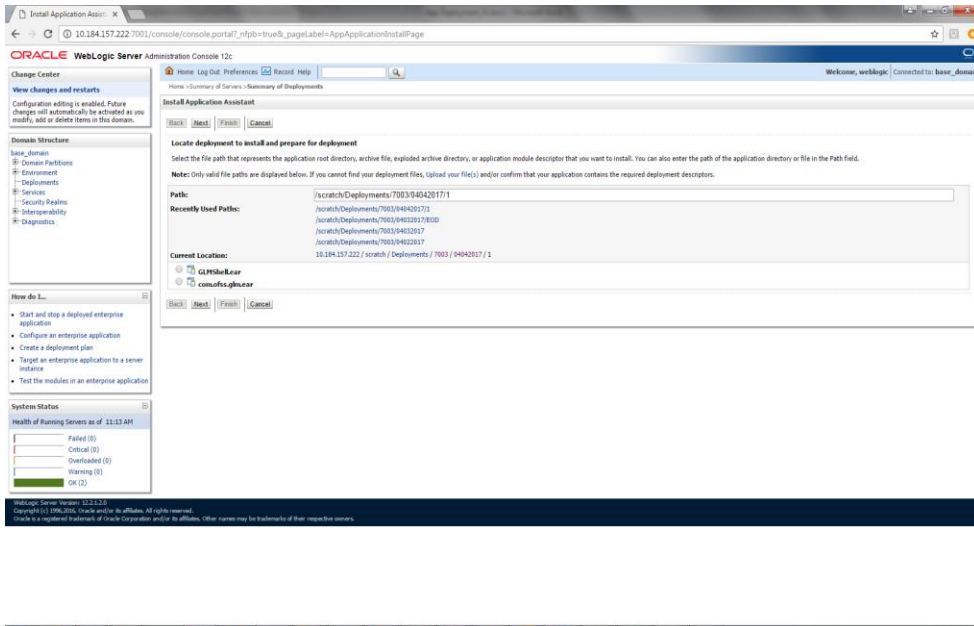


10. After Clicking **Save** the following Screen should appear.

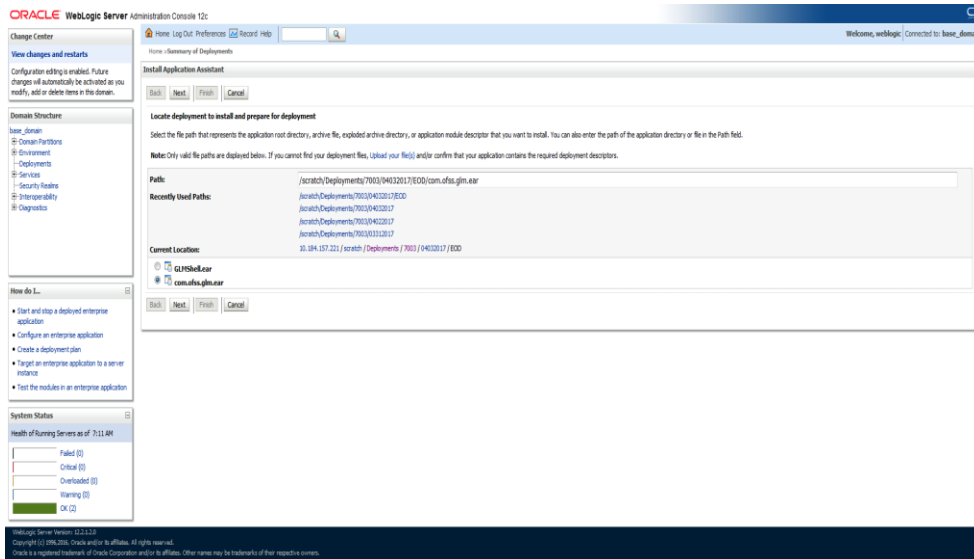


2.2.9.3.2 HOST EAR Deployment

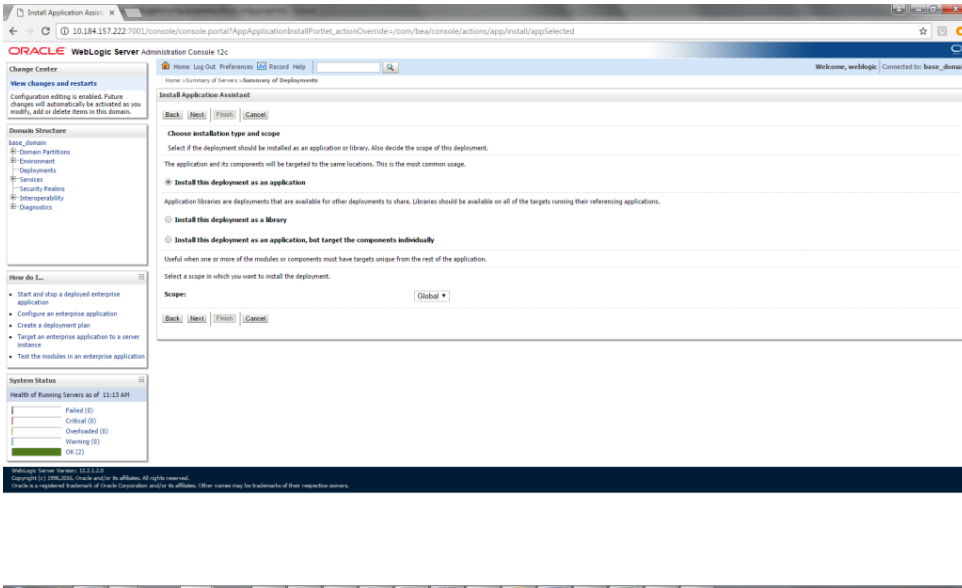
1. Click on **Install** and go o the Drive Location where the EAR files are kept.



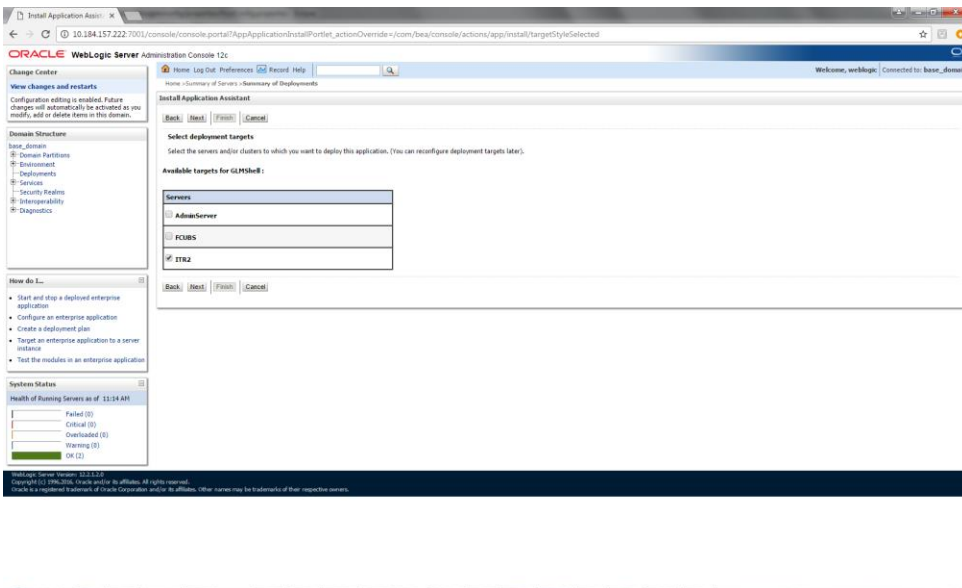
2. Select the Host EAR File **com.ofss.glm.ear** and click on **Next**



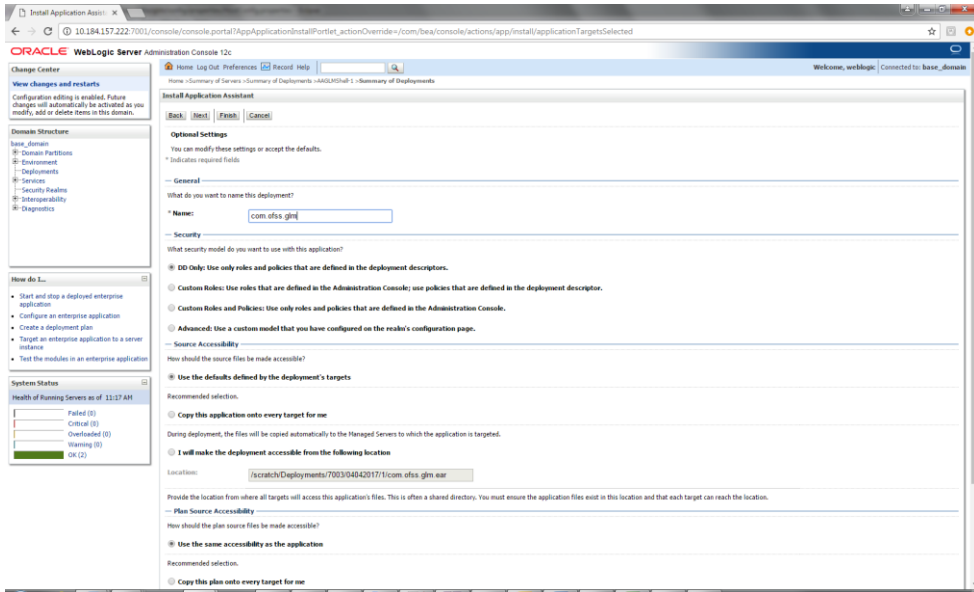
3. Click on **Next**



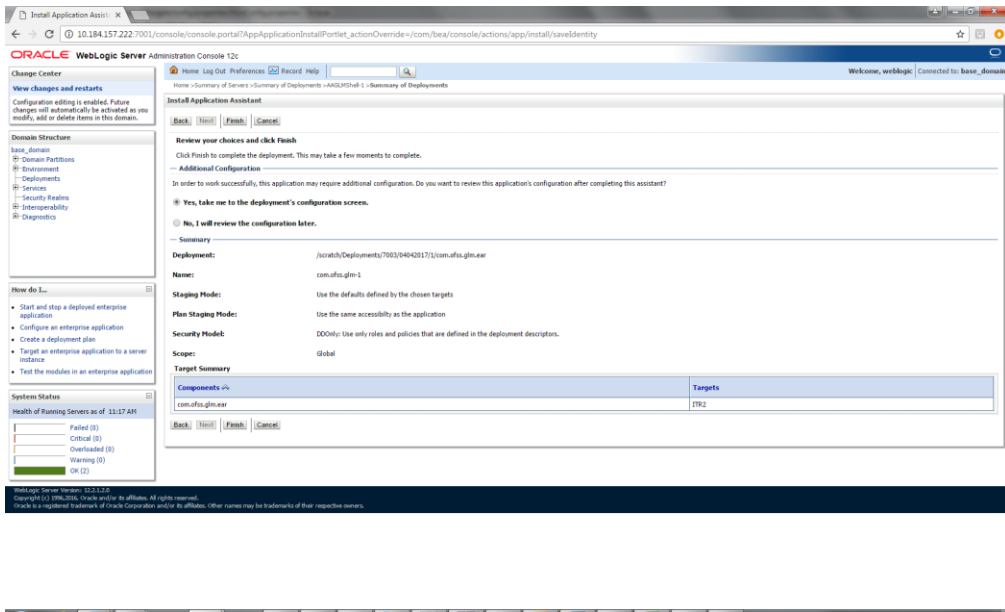
4. Select the target Server For example: ITR2



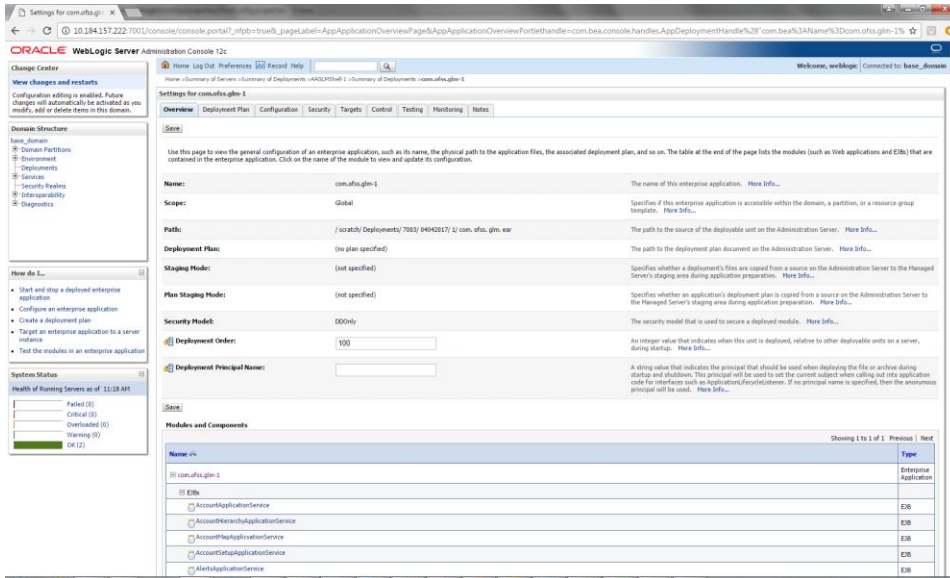
5. Select Name for the deployment file For Example: "com.offss.glm" and click on Next



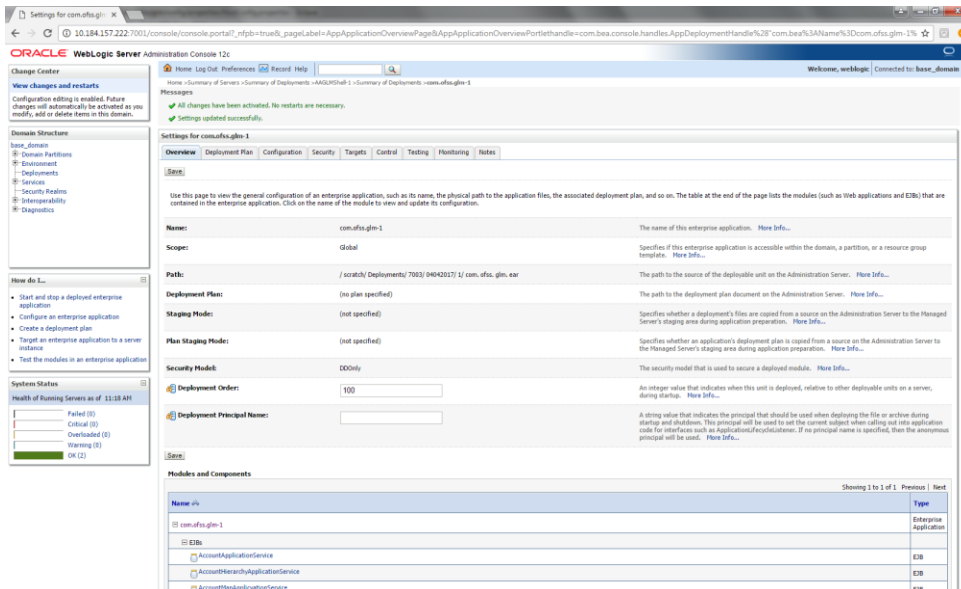
6. Click on Finish.



7. Click on Save

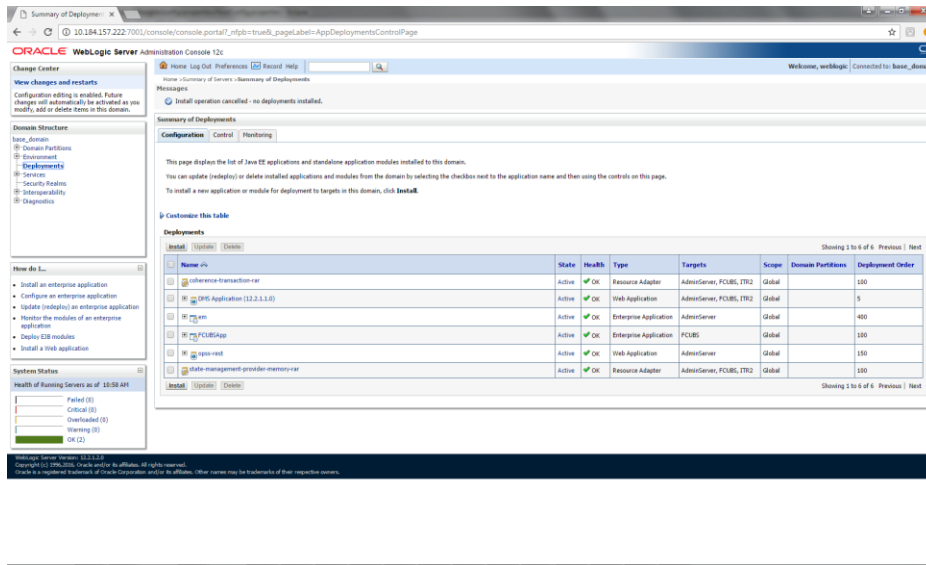


8. After Clicking Save the Following Screen should appear.

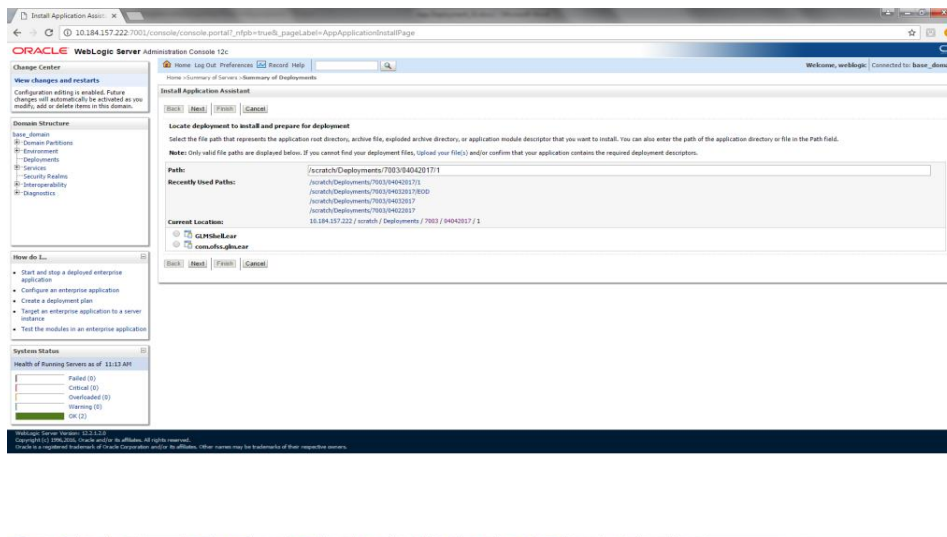


12. Now we can see home screen. In home screen in the left side you will find Domain Structure column.

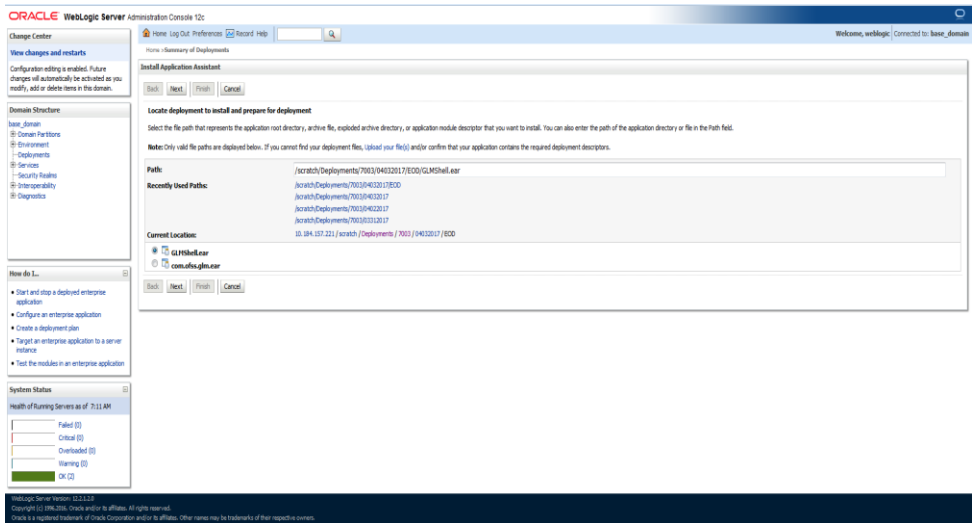
Click on **Deployments**.



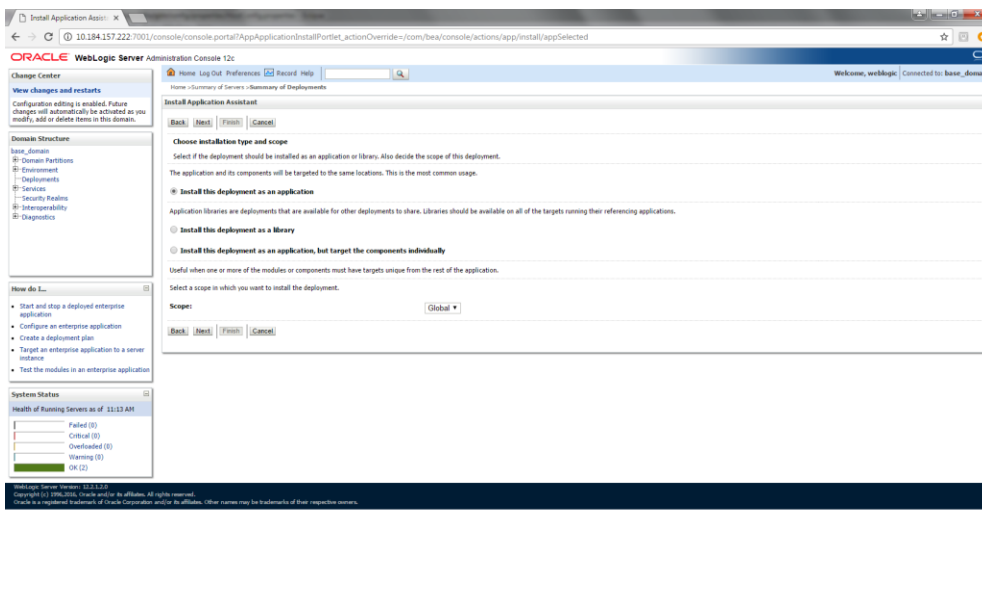
13. Click on **Install** and go to the Drive Location where the EAR files are kept.



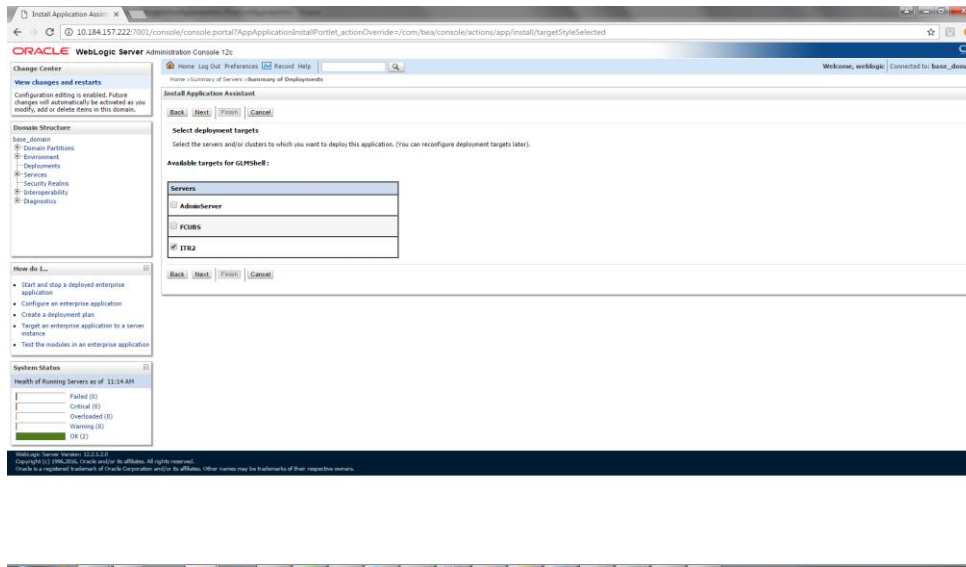
14. Select the UI EAR File **GLMShell.ear** and click on Next



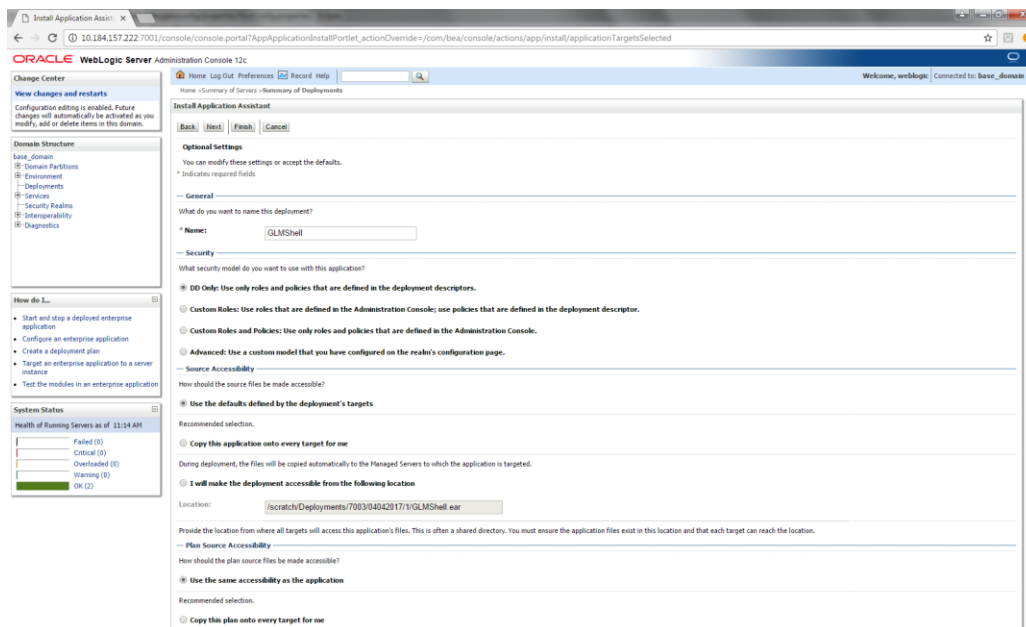
15. Click on Next



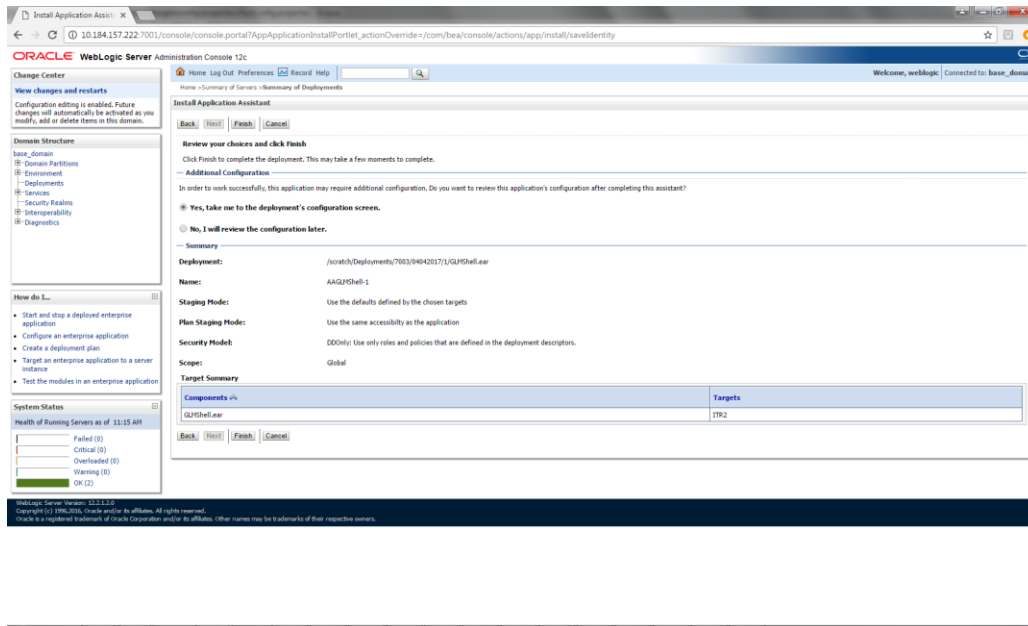
16. Select the target Server For example: ITR2



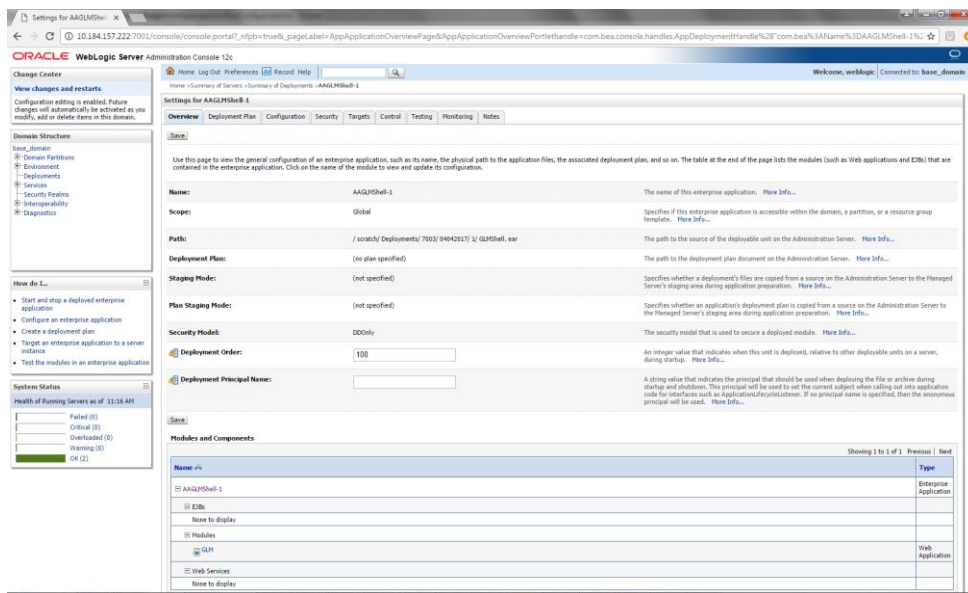
17. Select Name for the deployment file For Example: "GLMShell" and click on Next



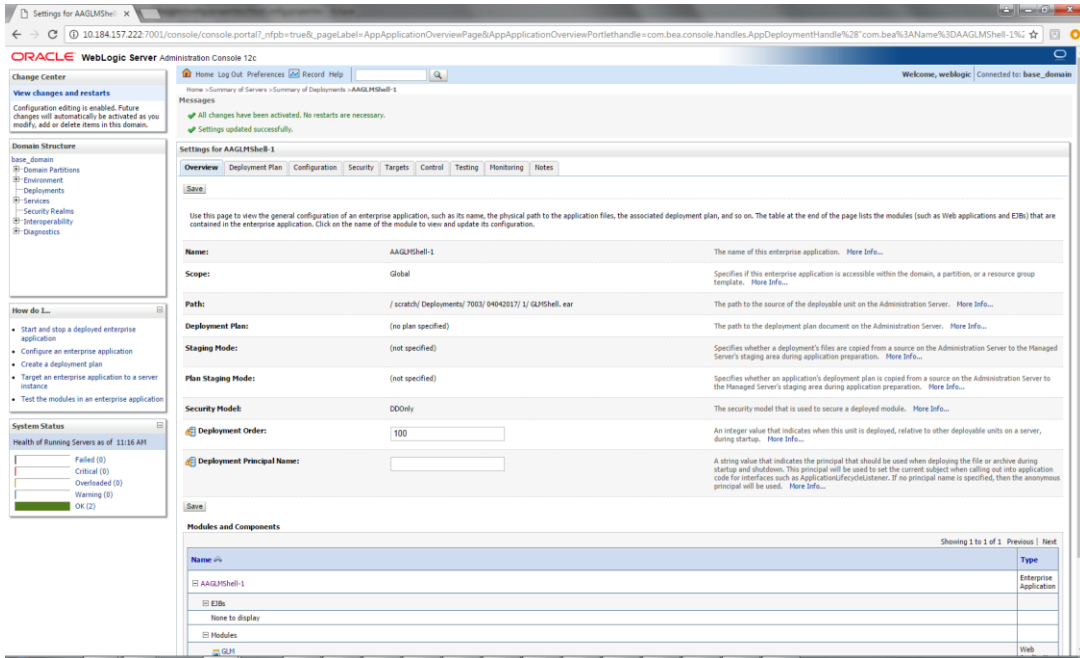
18. Click on **Finish**.



19. Click on **Save**

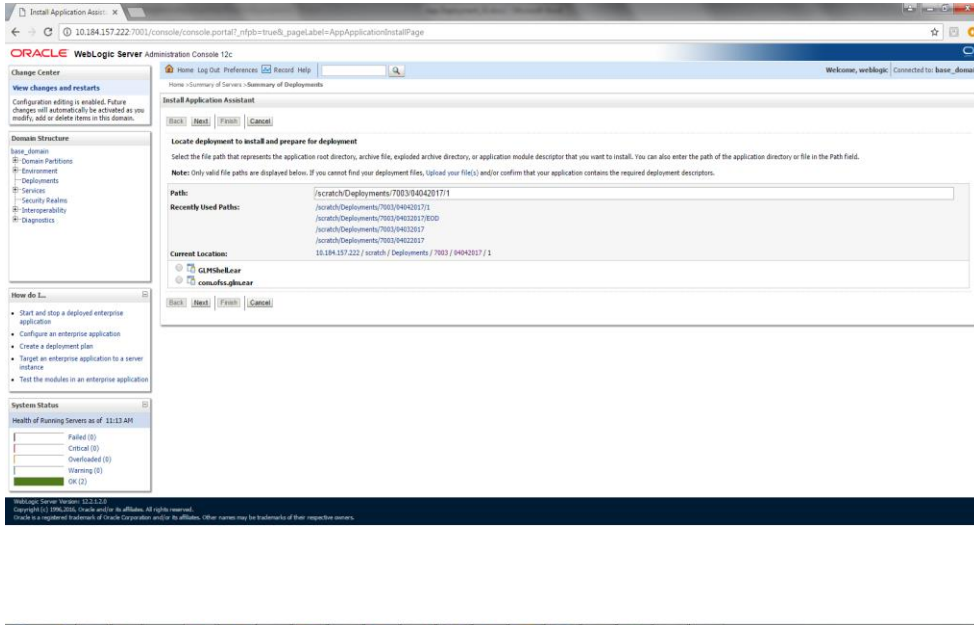


20. After Clicking **Save** the Following Screen should appear.

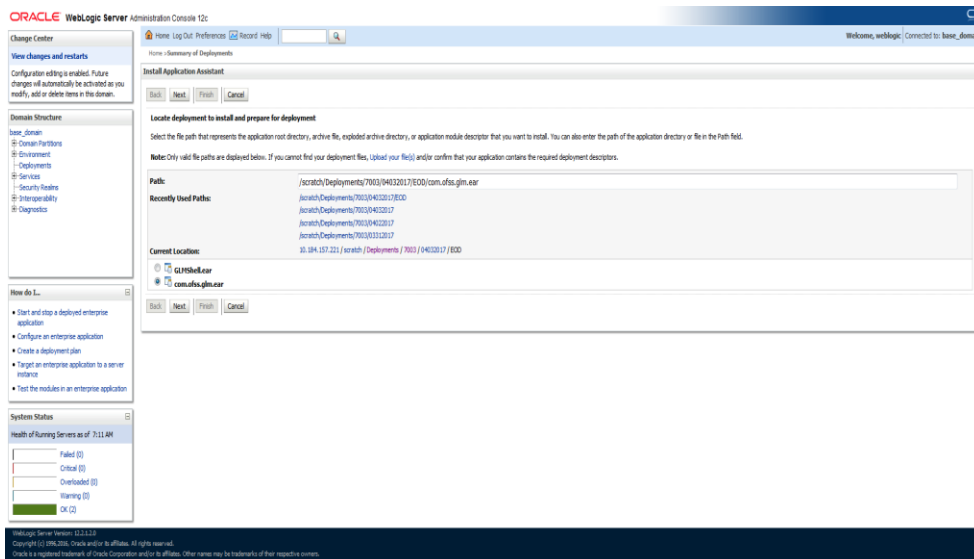


2.2.9.4.2 HOST EAR Deployment

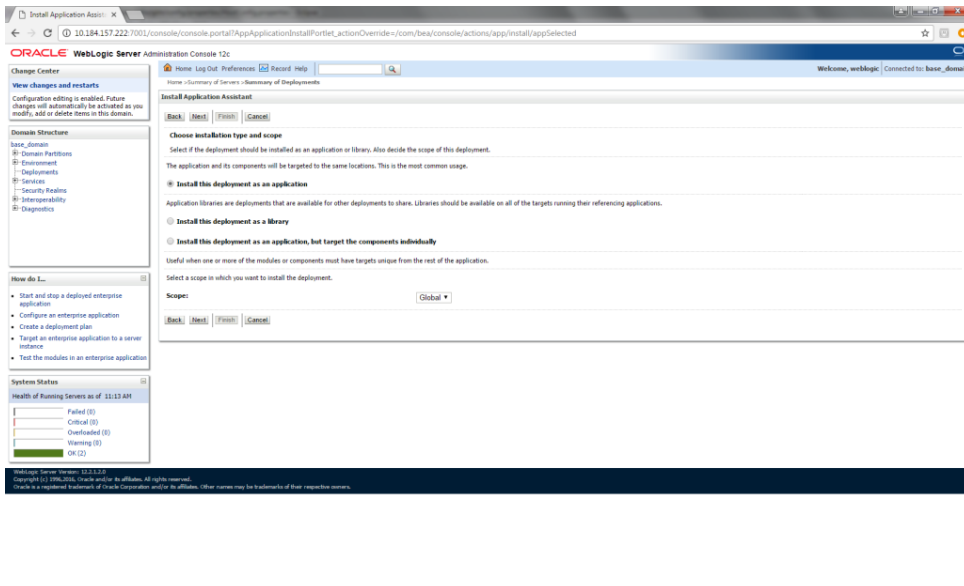
10. Click on **Install** and go o the Drive Location where the EAR files are kept.



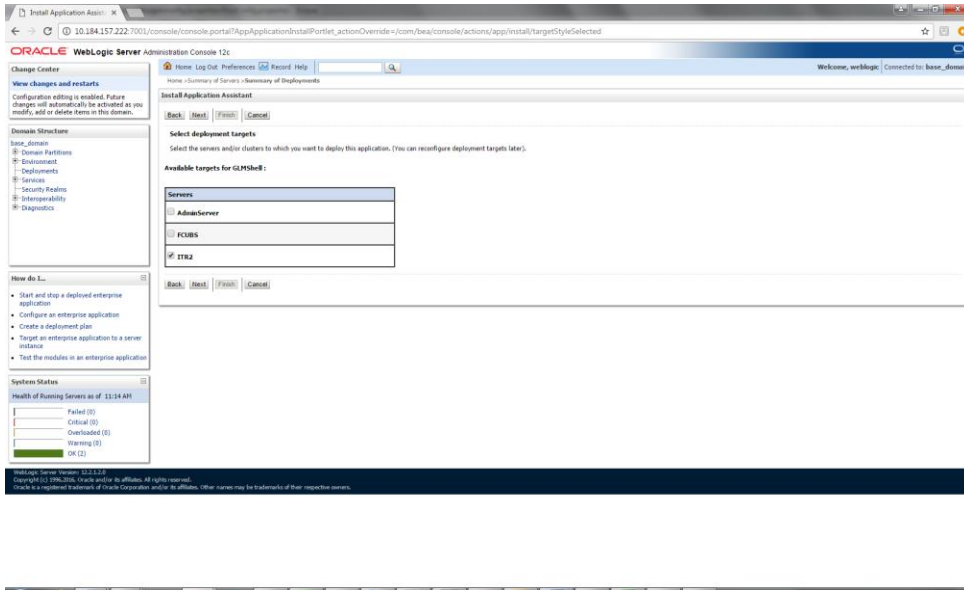
11. Select the Host EAR File **com.ofss.glm.ear** and click on **Next**



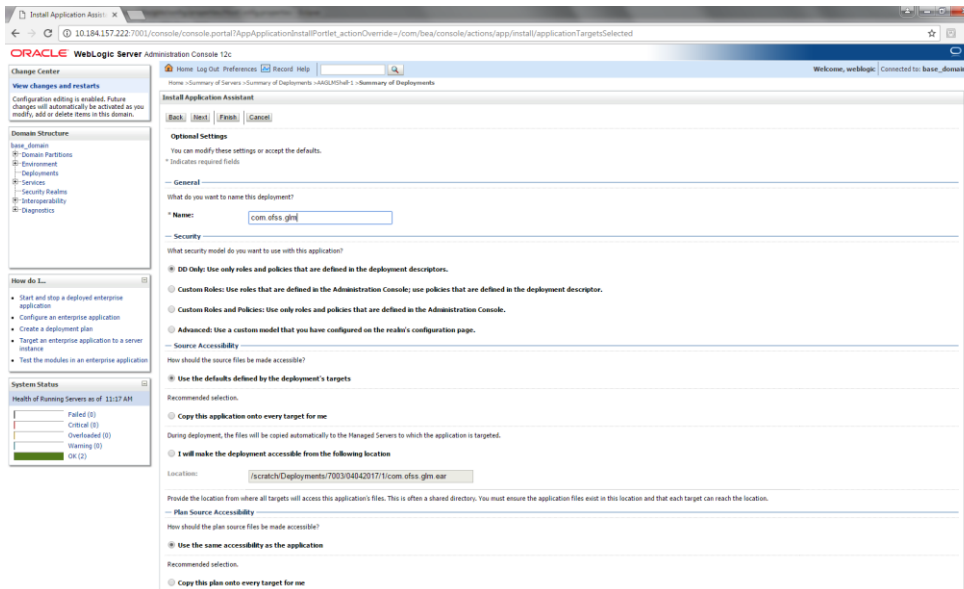
12. Click on **Next**



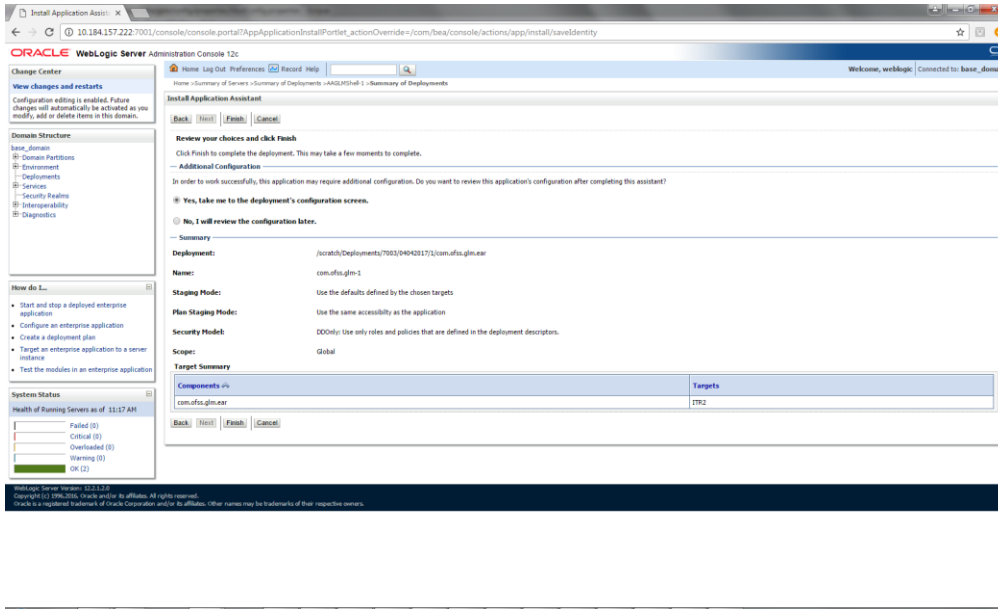
13. Select the target Server For example: **ITR2**



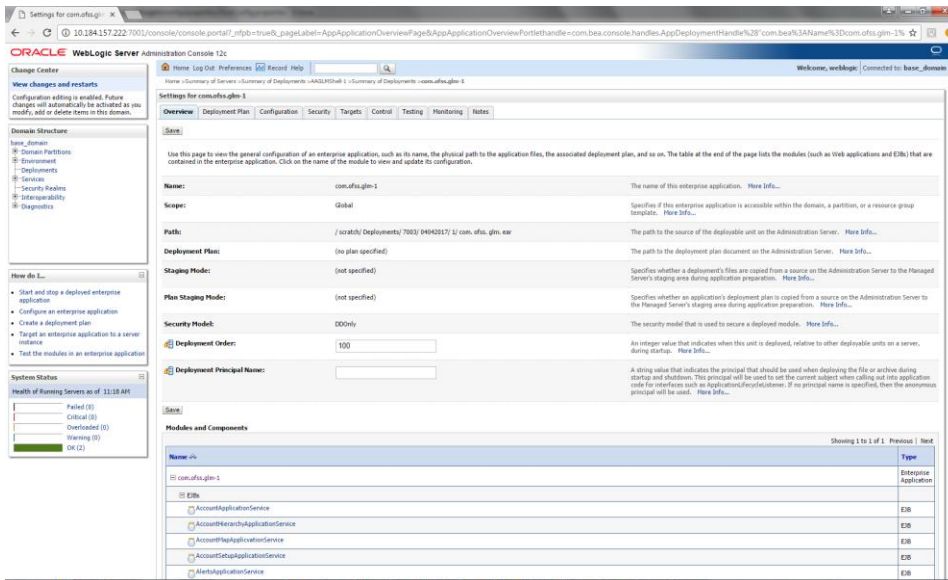
14. Select Name for the deployment file For Example: “com.ofss.glm” and click on **Next**



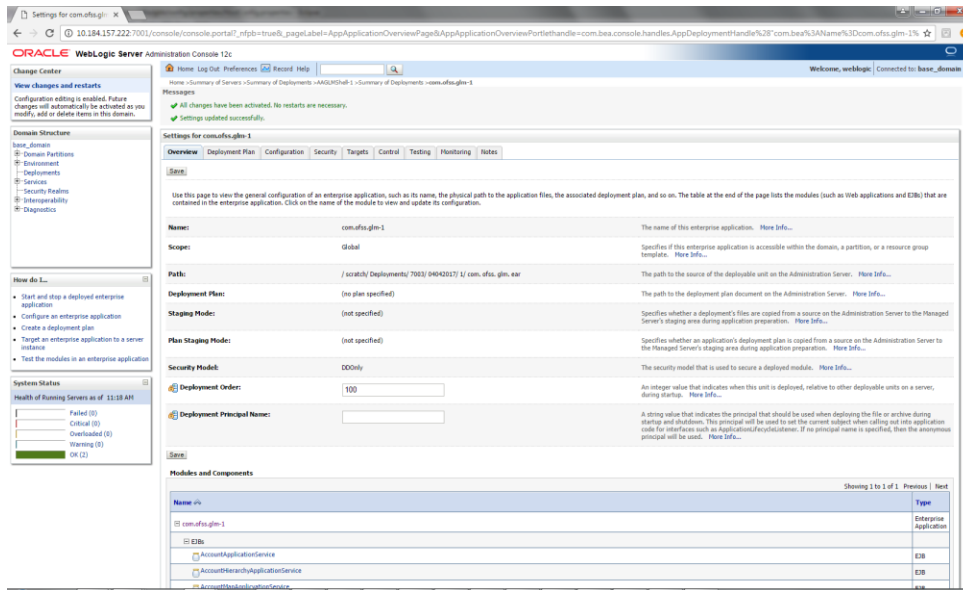
15. Click on **Finish**.



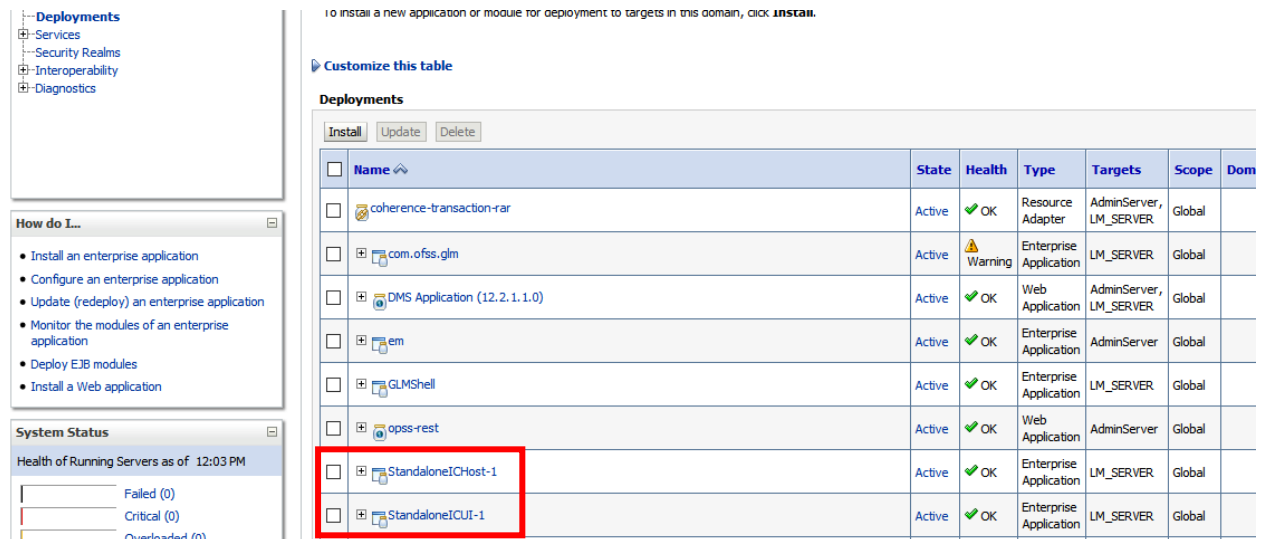
16. Click on Save



17. After Clicking Save the Following Screen should appear.

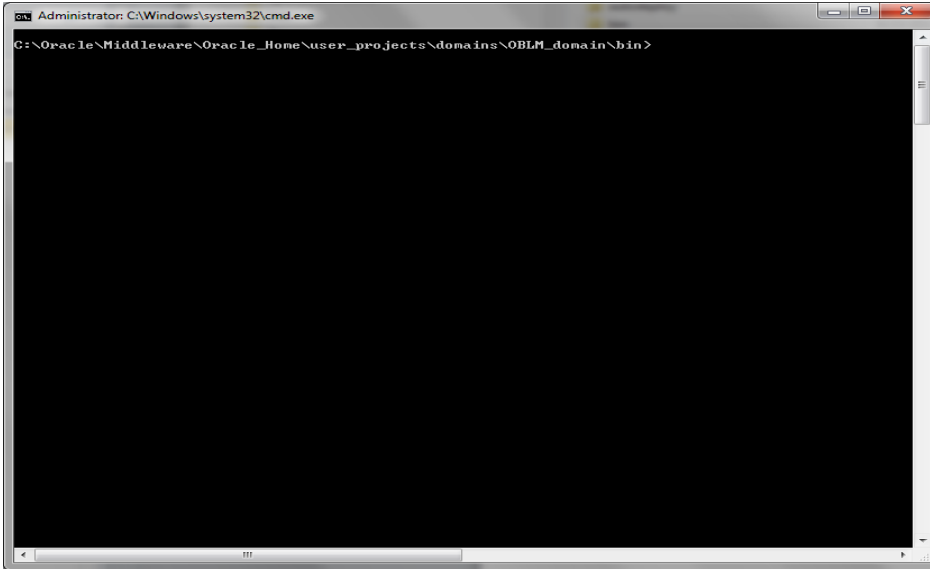


18. Click on Deployment and check the two newly installed EAR's are available and Health column should have the OK status for the EAR's

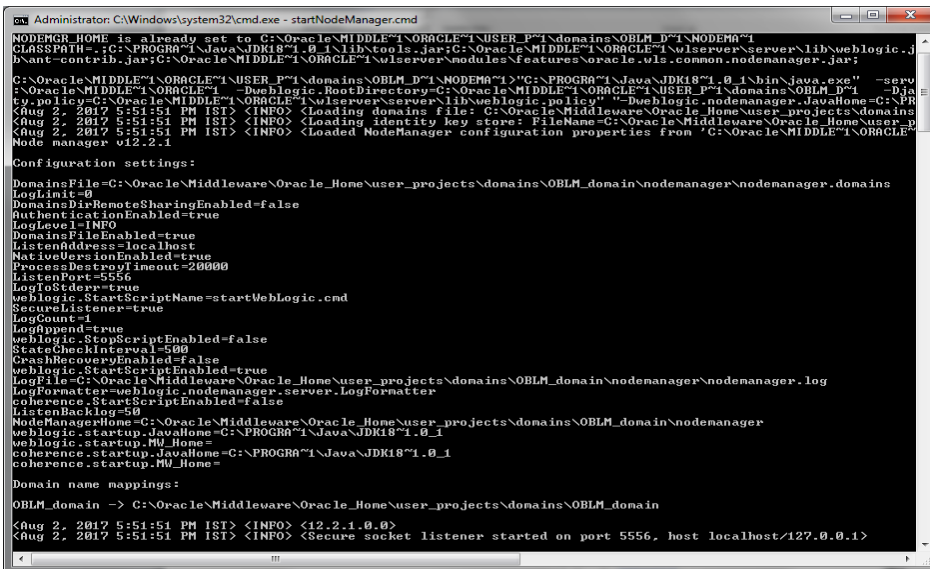


2.2.10 Start The Server

1. Go to the domain path of oblm_domain, (e.g. ...Middleware\Oracle_Home\user_projects\domains\OBLM_domain\). Right click on **bin** folder and Select the “**CMD Prompt Here as Administrator**” to open the Command Prompt.

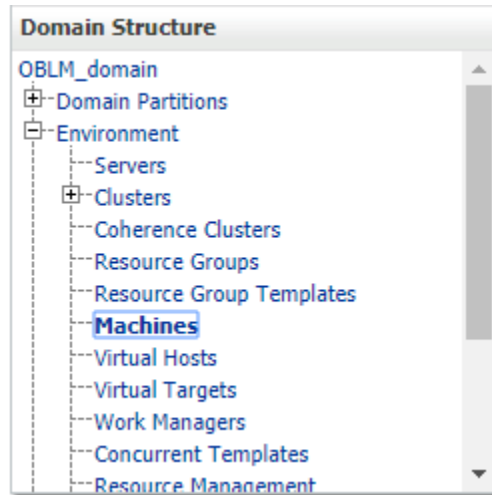


2. Run the **startNodeManager.cmd** file (Linux users run startNodeManager.sh file).

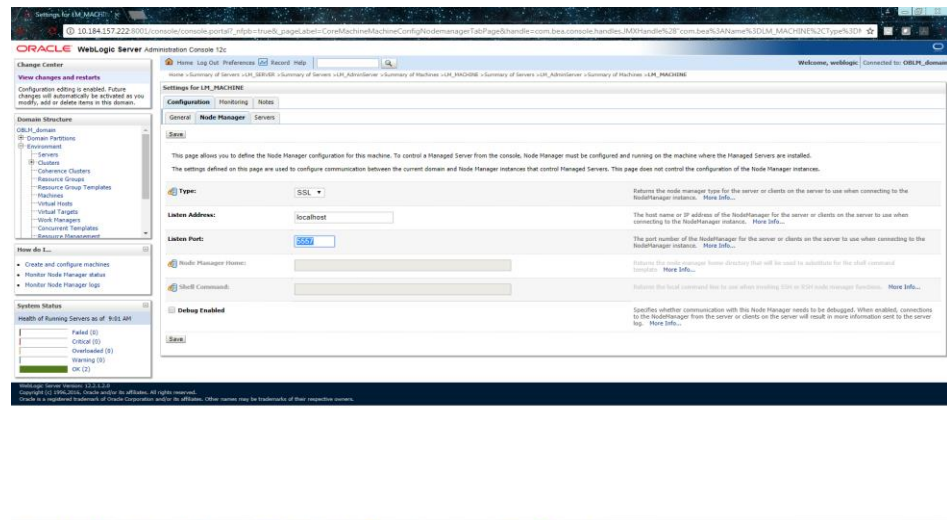


Note: If you get an error stating “5556 port is already in use” then follow the below steps before starting the node manager.

- i. Go to Weblogic Console and click on **Machines** under the **Environment** tab in **Domain Structure** section



- ii. Click on **LM_MACHINE** and then go to **Node Manager** tab



- iii. Change the **Listen Port** to 5557 and click on **Save**

- iv. Go to .../
Oracle/Middleware/Oracle_Home/user_projects/domains/oblm_domain/nodemanager path and edit **nodemanager.properties** file as follows,

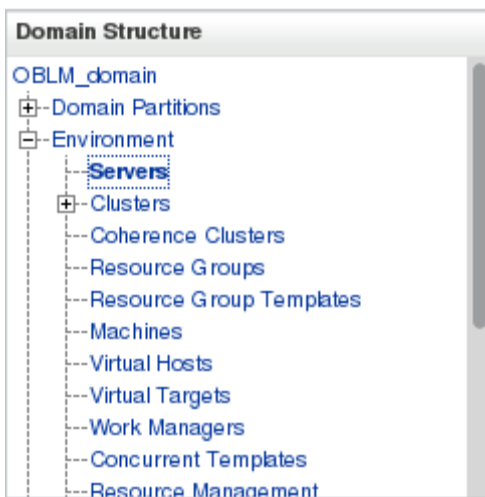
ListenPort=5557

Leave the rest of the properties as it was.

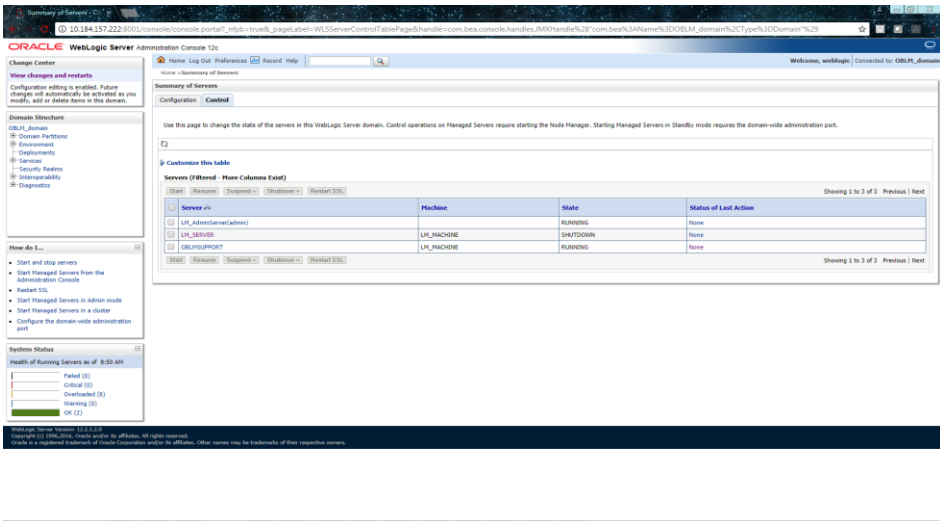
```
#Tue Jul 18 05:12:27 EDT 2017
#Node manager properties
#Tue Jul 18 04:13:25 EDT 2017
DomainsFile=/scratch/oraofss/Oracle/Middleware/Oracle_Home/user_projects/domains/oblm_domain/nodemanager/nodemanager.domains
LogLimit=0
PropertiesVersion=12.2.1.2.0
AuthenticationEnabled=true
NodeManagerHome=/scratch/oraofss/Oracle/Middleware/Oracle_Home/user_projects/domains/oblm_domain/nodemanager
JavaHome=/scratch/jdk/jdk1.8.0_112
LogLevel=INFO
DomainsFileEnabled=true
ListenAddress=localhost
NativeVersionEnabled=true
ListenPort=5556
LogToStderr=true
weblogic.StartScriptName=startweblogic.sh
SecureListener=true
LogCount=1
QuitEnabled=false
LogAppend=true
weblogic.StopScriptEnabled=false
StateCheckInterval=500
CrashRecoveryEnabled=false
weblogic.StartScriptEnabled=true
LogFile=/scratch/oraofss/Oracle/Middleware/Oracle_Home/user_projects/domains/oblm_domain/nodemanager/nodemanager.log
LogFormatter=weblogic.nodemanager.server.LogFormatter
ListenBacklog=50
```

- v. Save the file
- vi. Now, repeat the steps of Section 2.2.7

3. Go to Weblogic console and click on **Server** under the **Environment** tab in **Domain Structure** section



4. You should see the **Summary of Servers** page. Click on **Control** tab



5. Select **LM_SERVER** and click **Start** button
6. Wait till the Server State change to **RUNNING**

2.2.11 Application User Creation

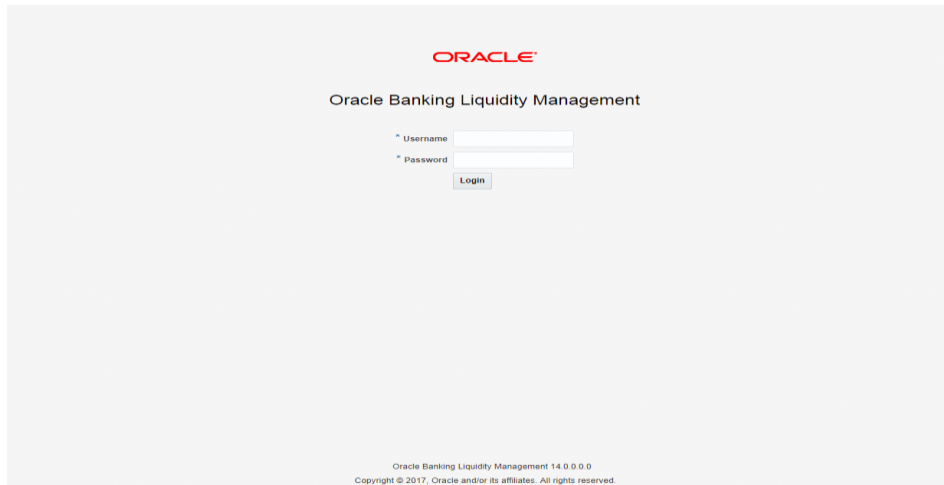
Please refer to User creation utility instruction manual –
 (Oracle_Banking_Liquidity_Management_Create_User_Utility_Setup.pdf)

2.2.12 Configure SSL

To Configure SSL, Please refer to the SSL Configuration Manual
 (Oracle_Banking_Liquidity_Management_SSL_Configuration.pdf)

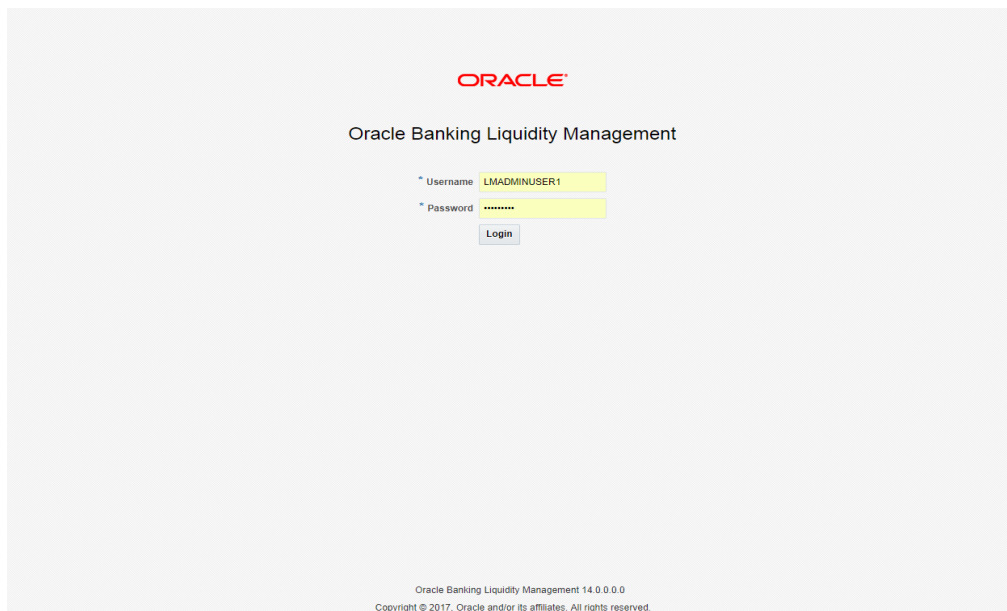
2.2.13 Test Liquidity Management Application

1. Open the Application in a New Tab in the Browser. The Following Screen should appear.



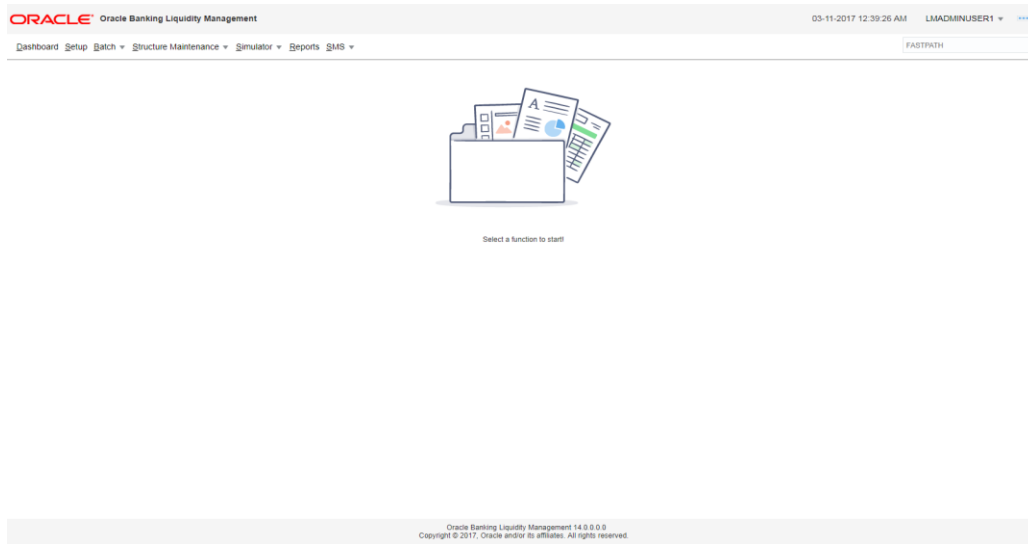
The screenshot shows the Oracle Banking Liquidity Management login interface. At the top center is the Oracle logo. Below it, the text "Oracle Banking Liquidity Management" is displayed. The login form consists of two input fields: "Username" and "Password", both with asterisks indicating they are required. A "Login" button is positioned below the password field. At the bottom of the page, the version "Oracle Banking Liquidity Management 14.0.0.0.0" and the copyright notice "Copyright © 2017, Oracle and/or its affiliates. All rights reserved." are visible.

2. Enter the user credentials and click on Login



This screenshot shows the same Oracle Banking Liquidity Management login interface as the previous one, but with user credentials entered. The "Username" field contains the text "LMADMINUSER1" and the "Password" field is filled with a series of dots. The "Login" button remains visible below the password field. The footer text at the bottom of the page is identical to the previous screenshot, showing the version "Oracle Banking Liquidity Management 14.0.0.0.0" and the copyright notice "Copyright © 2017, Oracle and/or its affiliates. All rights reserved."

3. After Logging into the application the following screen should appear.



4. Click on any of the Menu Items. For Example: Click on **Setup** menu

The following screen should appear.

ORACLE Oracle Banking Liquidity Management 03-11-2017 12:39:26 AM LMADMINUSER1

Dashboard Setup Batch Structure Maintenance Simulator Reports SMS FASTPATH

Setup x

SYSTEM PARAMETERS Define Liquidity Management System Parameters	REGULATORY PARAMETERS Define Country Level Regulatory Parameters	BANK MAINTENANCE Define Host and External Bank Details	BRANCH MAINTENANCE Define Branch Details
INTERFACE INSTRUCTION MAINTENANCE Define Interface Specific Parameters	CURRENCY MAINTENANCE Define Currencies	CURRENCY EXCHANGE RATE MAINTENANCE Define Exchange Rates	BRANCH HOLIDAY MAINTENANCE Define Branch Holidays
CURRENCY HOLIDAY MAINTENANCE Define Currency Holidays	CUSTOMER MAINTENANCE Define Customer	ACCOUNT MAINTENANCE Define Participating Accounts	SWEEP FREQUENCY SETUP Define Sweep Frequencies
EXTERNAL SYSTEM SETUP Define External System Parameters	SWEEP CONCENTRATION METHODS Summary of Sweep Concentration Methods	SWEEP INSTRUCTION SETUP Define Instruction Parameters	MSBC CURRENCY CUT-OFF MAINTENANCE Maintain MSBC Currency Cut-off Timings
INTEREST RULE SETUP Define Interest Rule	INTEREST PRODUCT SETUP Define Interest Product	INTEREST UDE SETUP Define User Defined Elements for Interest Rule	INTEREST PRODUCT MAPPING Participant Account and Interest Product Mapping
FILE UPLOAD Upload of Maintenance Data			

Oracle Banking Liquidity Management 14.0.0.0.0
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- Select any of the items under **Setup** menu and do the necessary operations.
For Example select **System Setup**. The following screen should appear.

ORACLE Oracle Banking Liquidity Management 03-11-2017 12:39:26 AM LMADMINUSER1

Dashboard Setup Batch Structure Maintenance Simulator Reports SMS FASTPATH

Setup x System Parameters x

Modify

System ID: LM001 Release Number: 1.0
 Instance Name: LM Instance Description: ORACLE BANKING LIQUE
 Instance Host Country: United States of America Region: America/Anchorage
 Multi Bank Cash Concentration:

Products

Sweep <input checked="" type="checkbox"/>	Domestic <input checked="" type="checkbox"/>	Cross Border <input checked="" type="checkbox"/>	Cross Currency <input checked="" type="checkbox"/>
Pool <input checked="" type="checkbox"/>	Domestic <input checked="" type="checkbox"/>	Cross Border <input checked="" type="checkbox"/>	Cross Currency <input checked="" type="checkbox"/>
Hybrid <input checked="" type="checkbox"/>	Domestic Sweep <input checked="" type="checkbox"/>	Cross Border Sweep <input checked="" type="checkbox"/>	Cross Currency Sweep <input checked="" type="checkbox"/>
	Domestic Pool <input checked="" type="checkbox"/>	Cross Border Pool <input checked="" type="checkbox"/>	Cross Currency Pool <input checked="" type="checkbox"/>

Action When Account is Blocked / Insufficient Funds: Skip Account Pair Skip Whole Structure

Parameters

Name	Value	Description
No data to display		

Input By: _____ Date Time: _____ Modification Number: _____
 Authorized By: _____ Date Time: _____ _____ Open
 _____ Authorized

Oracle Banking Liquidity Management 14.0.0.0.0
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Application Setup
Oracle Banking Liquidity Management
Version 14.1.0.0.0
[May] [2018]

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