

WISOR LOCAL SETUP

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Version History

| Version | Date | Updated By | Description |
|---------|-------------|------------------|---|
| 0.0 | 13-Dec-2017 | Rajesh Kamparaju | Initial Version |
| 0.1 | 15-Dec-2017 | Rajesh Kamparaju | Removed new domain creation and added the step to use existing wisor.dev domain. Added steps for private libraries and plugins for maven. |
| | | | |
| | | | |
| | | | |

Pre - Requirements

JDK 1.8

Oracle Database 11g Express Edition Software

WISORDEV-R1502.dmp file

Weblogic Server 12.2.1.2 (fmw_12.2.1.2.0_wls.jar) Software

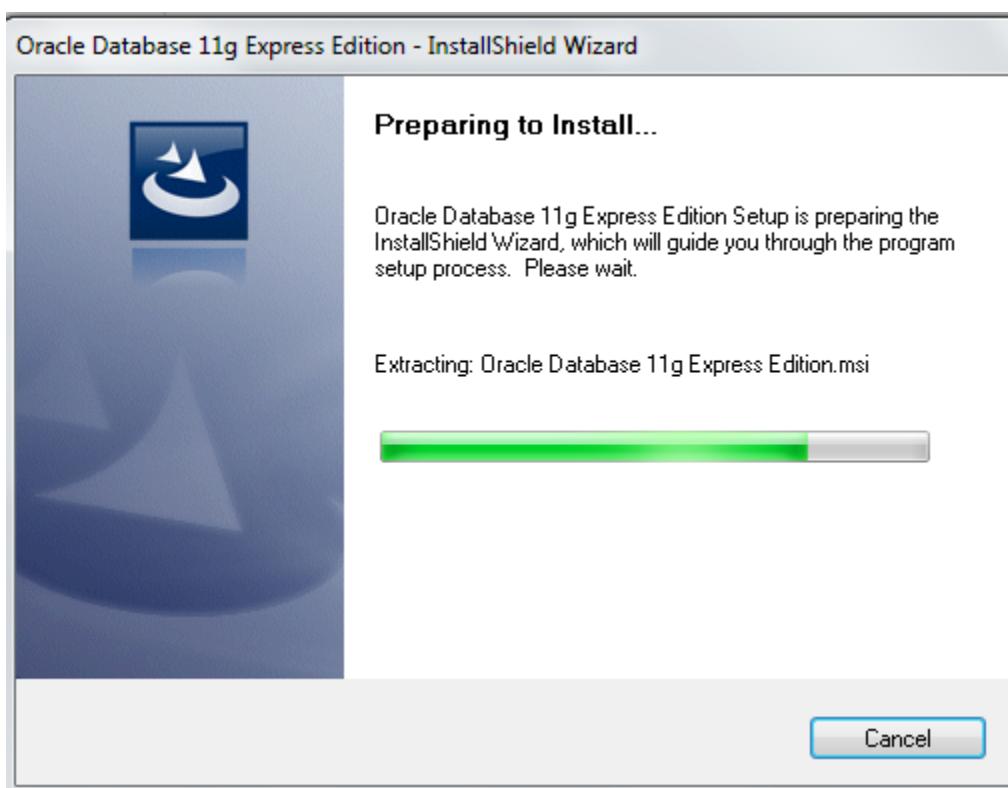
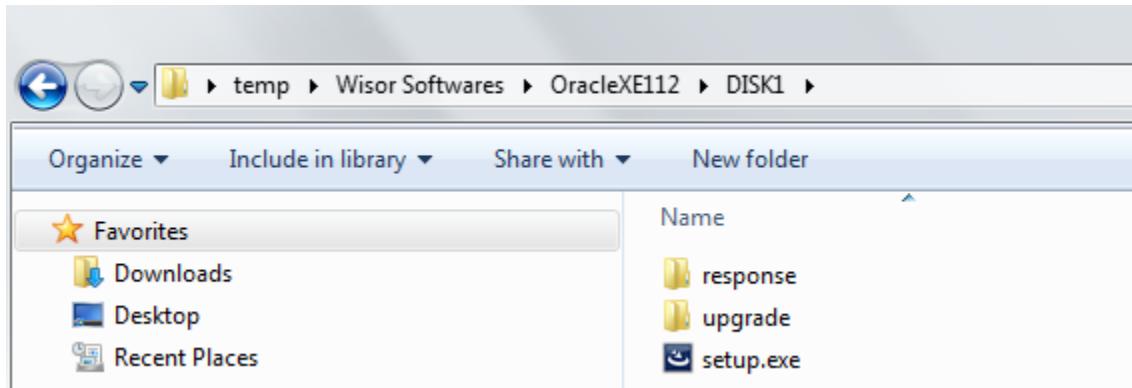
wisor.dev domain folder

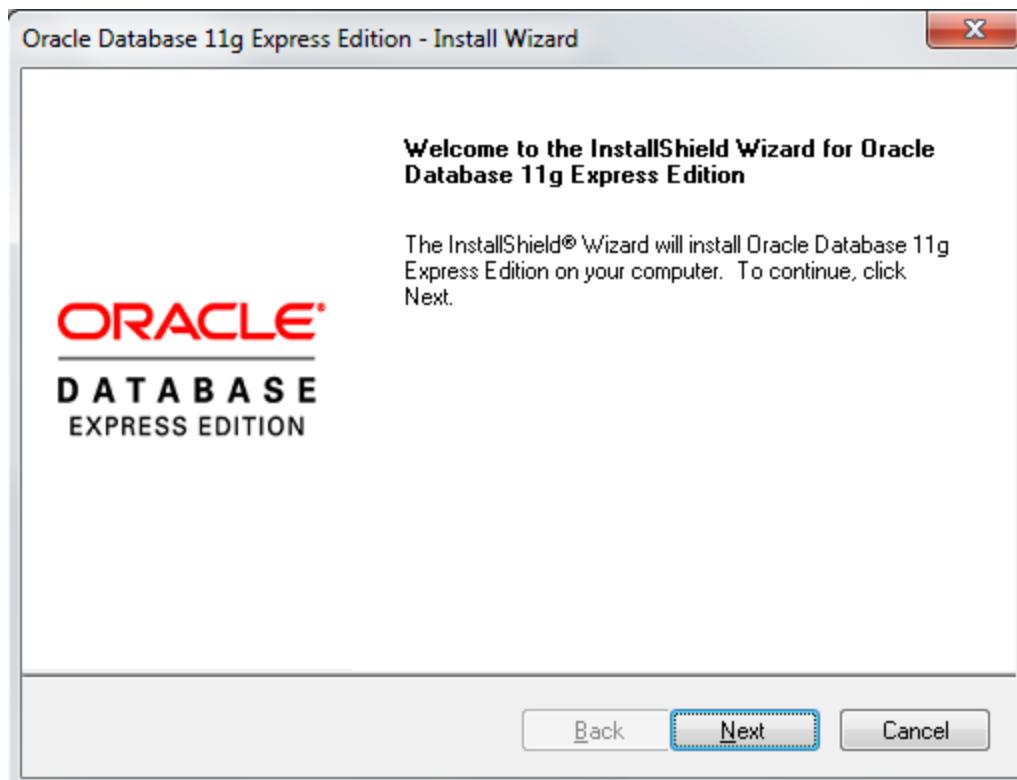
Maven Software

1. Database (Oracle Database 11g Express Edition)

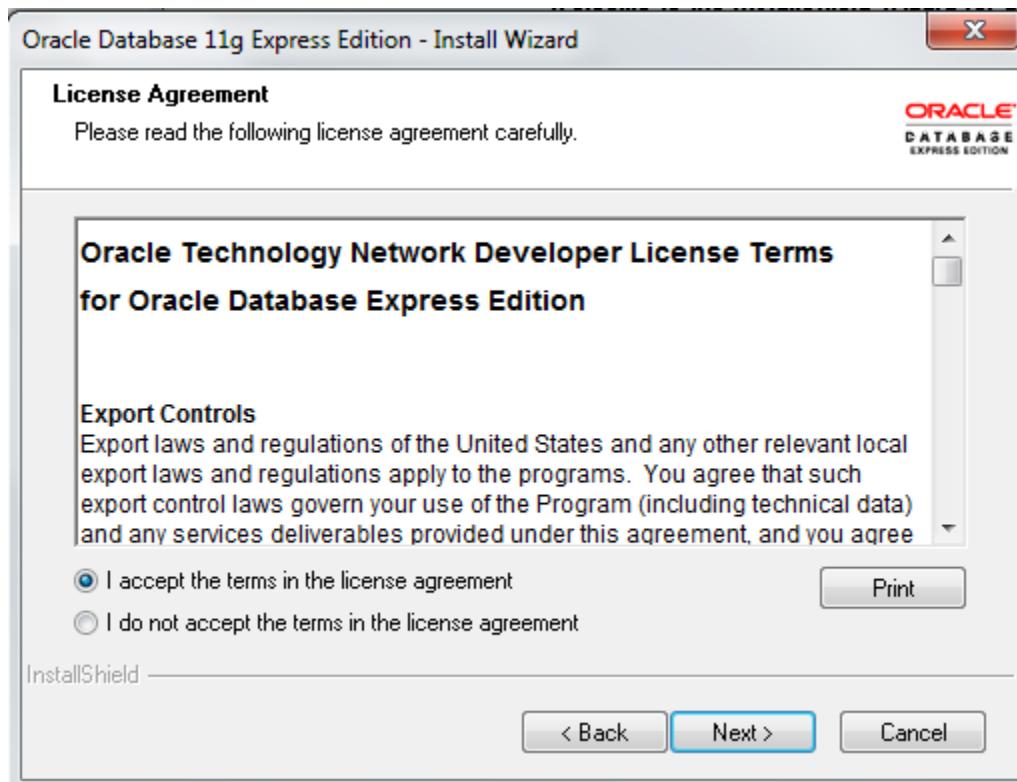
a. Installation

Double click on setup.exe

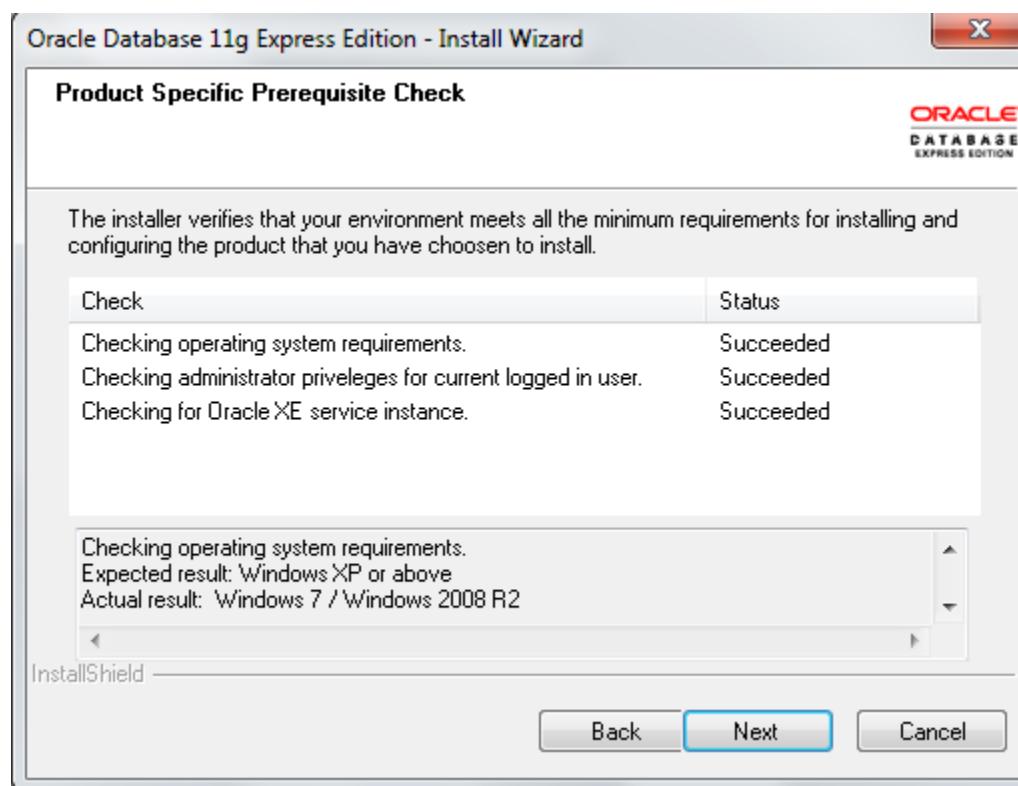




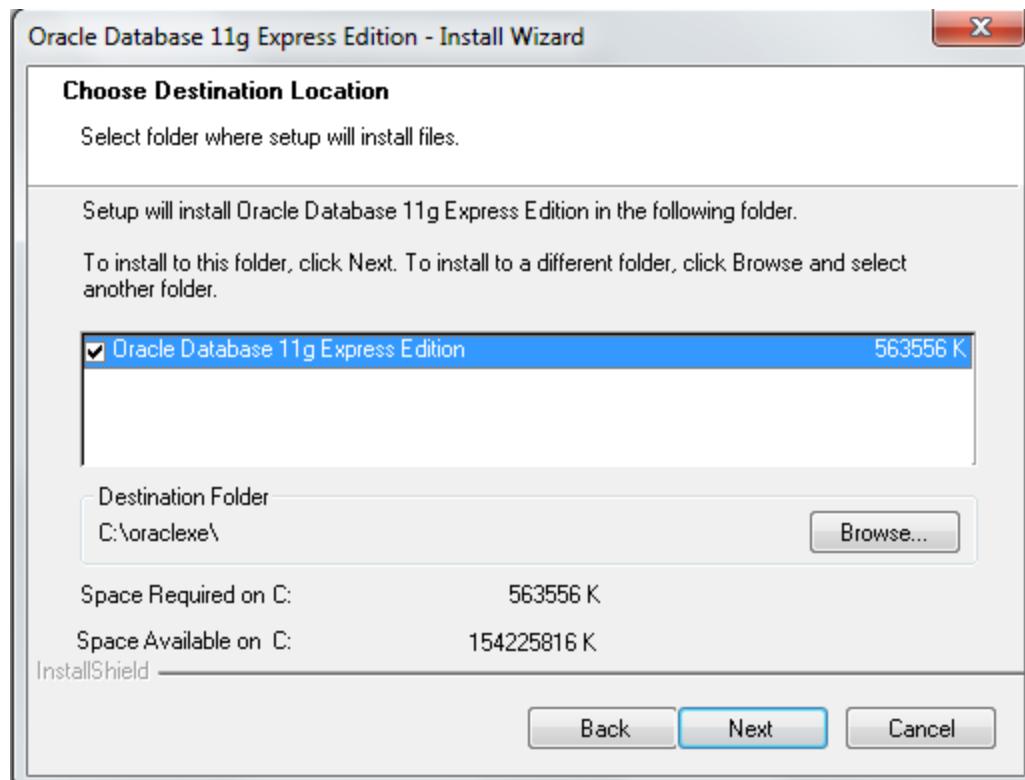
Click on **Next**



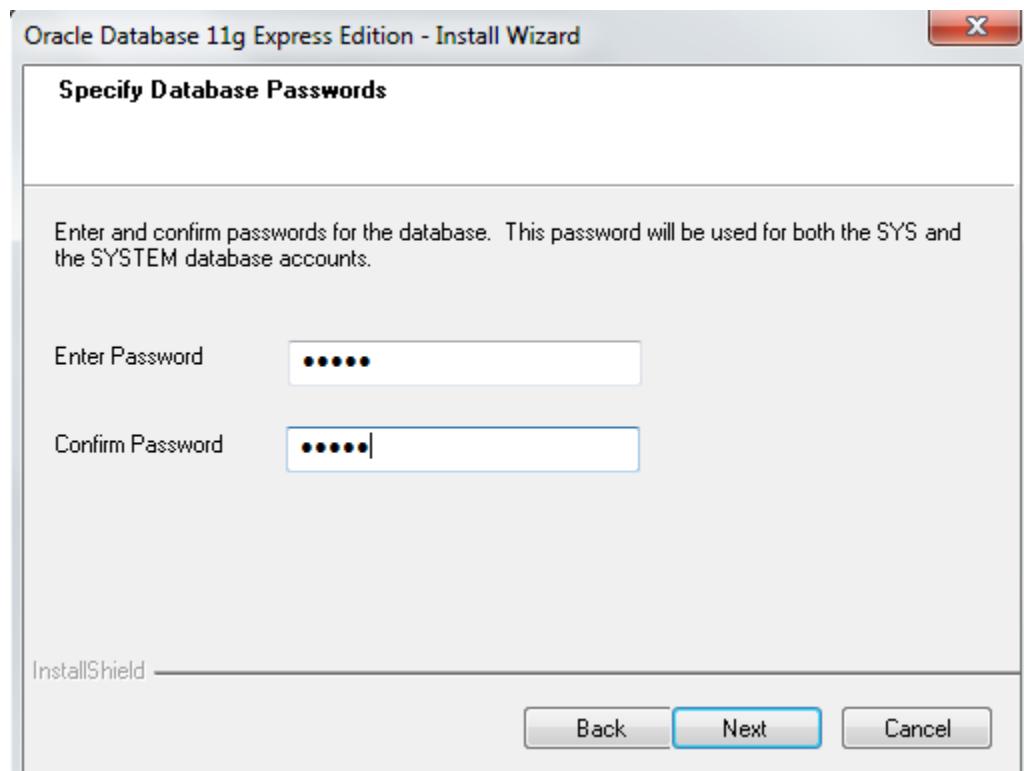
Accept the licence and click on **Next**



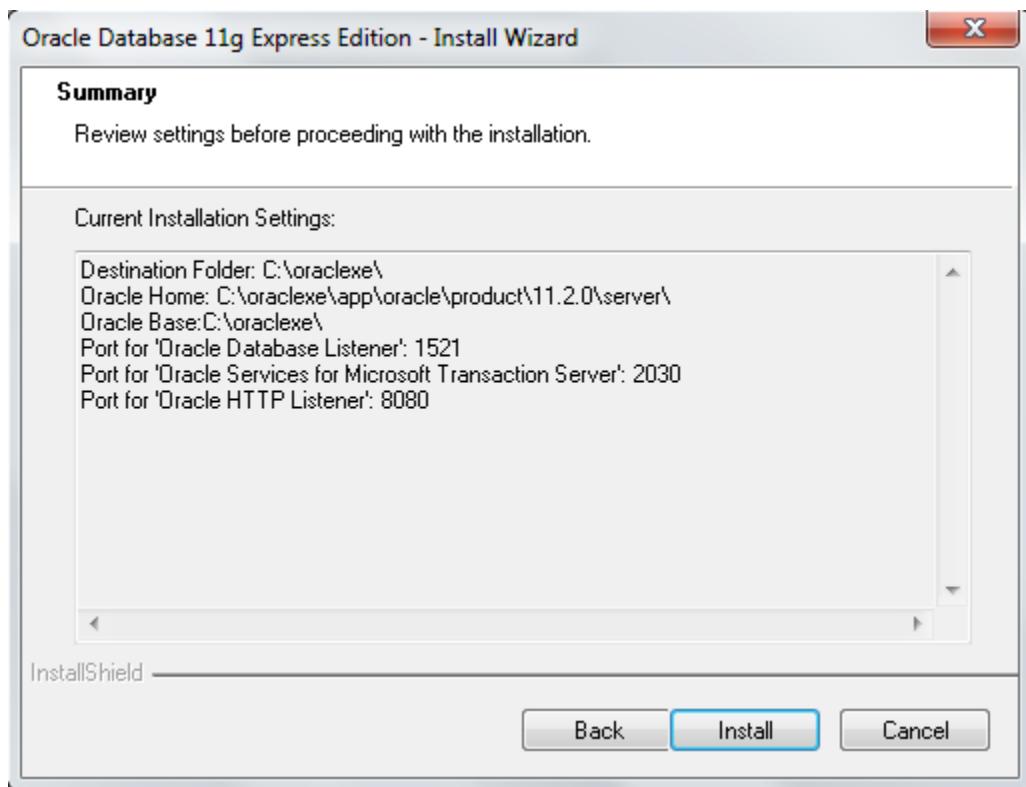
Click on **Next**



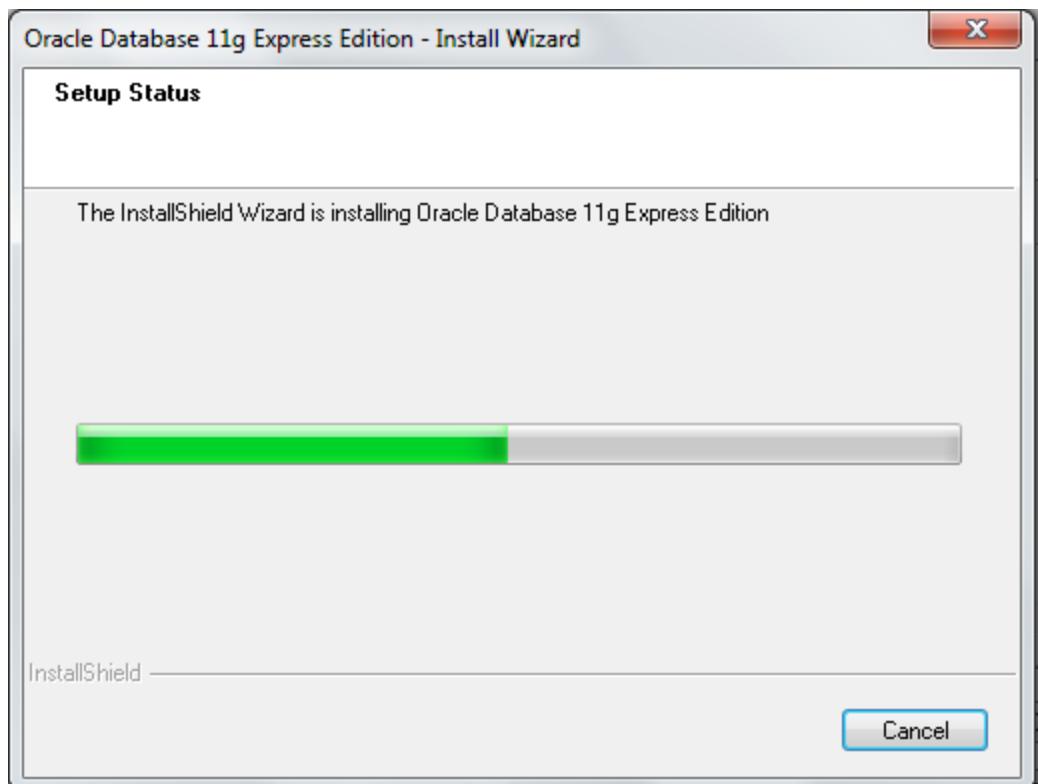
Click on **Next**



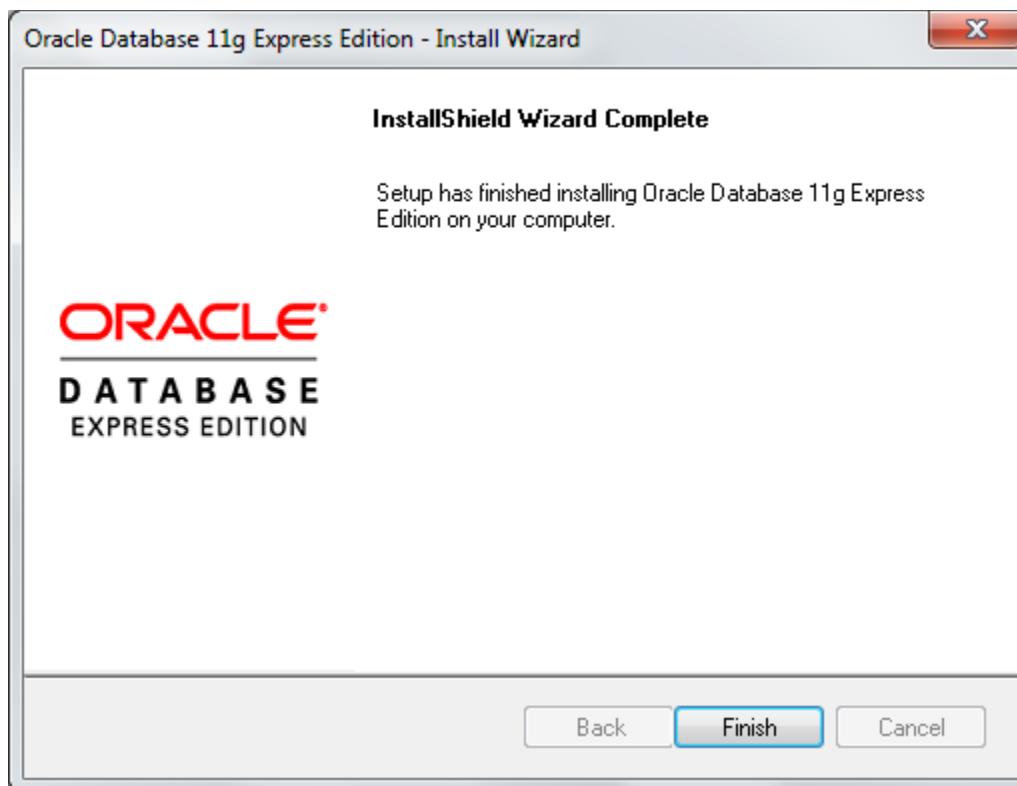
Enter password(ex: admin) and click on **Next**.



Click on **Install**

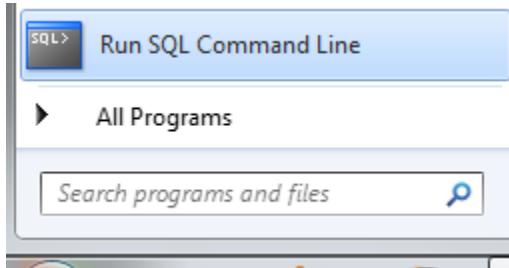


Click on **Finish**



b. Data Setup

Run SQL Command Line



Connect SQL using command **connect**, then enter **username(system)** and **passwords(Ex: admin)**

A screenshot of the SQL*Plus command line interface. The title bar says "Run SQL Command Line". The window displays the following text:

```
SQL*Plus: Release 11.2.0.2.0 Production on Tue Dec 12 16:10:47 2017
Copyright (c) 1982, 2010, Oracle. All rights reserved.

SQL> connect
Enter user-name: system
Enter password:
Connected.
SQL>
```

Change Profile DEFAULT Expire in (days) to UNLIMITED

Run below SQL command

```
SELECT resource_name,limit FROM dba_profiles WHERE profile='DEFAULT' AND
resource_name='PASSWORD_LIFE_TIME';
```

```
SQL> SELECT resource_name,limit FROM dba_profiles WHERE profile='DEFAULT' AND re
source_name='PASSWORD_LIFE_TIME';
RESOURCE_NAME          LIMIT
-----  -----
PASSWORD_LIFE_TIME      180
SQL>
```

Then Run below command

```
ALTER PROFILE DEFAULT LIMIT PASSWORD_LIFE_TIME UNLIMITED;
```

```
SQL> ALTER PROFILE DEFAULT LIMIT PASSWORD_LIFE_TIME UNLIMITED;
Profile altered.
SQL>
```

Then Run below command

```
SELECT resource_name,limit FROM dba_profiles WHERE profile='DEFAULT' AND
resource_name='PASSWORD_LIFE_TIME';
```

```
SQL> SELECT resource_name,limit FROM dba_profiles WHERE profile='DEFAULT' AND re
source_name='PASSWORD_LIFE_TIME';
-----          -----
RESOURCE_NAME      LIMIT
-----          -----
PASSWORD_LIFE_TIME    UNLIMITED
SQL>
```

Create tablespace WISOR_DATA.DBF in c:\oraclexe\app\oracle\oradata\xe size 5GB auto-extend on

Run below command

```
CREATE TABLESPACE WISOR_DATA DATAFILE 'C:/oraclexe/app/oracle/oradata/XE/WISOR_DATA.DBF'
SIZE 5120M AUTOEXTEND ON;
```

```
SQL> CREATE TABLESPACE WISOR_DATA DATAFILE 'C:/oraclexe/app/oracle/oradata/XE/WI
SOR_DATA.DBF' SIZE 5120M AUTOEXTEND ON;
Tablespace created.
SQL>
```

Change character set:

Run below commands

```
SQL> CONNECT SYS AS SYSDBA;
SQL> CONNECT SYS AS SYSDBA;
Enter password:
Connected.
SQL>
```

```
SQL> shutdown immediate;
Connected.
SQL> shutdown immediate;
Database closed.
Database dismounted.
ORACLE instance shut down.
SQL>
```

```
SQL> startup restrict;
SQL> startup restrict;
ORACLE instance started.

Total System Global Area 1071333376 bytes
Fixed Size          1388352 bytes
Variable Size       620757184 bytes
Database Buffers   444596224 bytes
Redo Buffers        4591616 bytes
Database mounted.
Database opened.
SQL>
```

```
SQL> select name from v$database;
SQL> select name from v$database;
NAME
-----
XE
SQL>
```

```
SQL> ALTER DATABASE CHARACTER SET INTERNAL_USE WE8MSWIN1252;
```

```
SQL> ALTER DATABASE CHARACTER SET INTERNAL_USE WE8MSWIN1252;
Database altered.
SQL>
```

```
SQL> select value from NLS_DATABASE_PARAMETERS where parameter='NLS_CHARACTERSET';
SQL> select value from NLS_DATABASE_PARAMETERS where parameter='NLS_CHARACTERSET';
VALUE
-----
WE8MSWIN1252
SQL>
```

```
SQL> shutdown immediate;
SQL> shutdown immediate;
Database closed.
Database dismounted.
ORACLE instance shut down.
SQL>
```

```
SQL> startup;
SQL> startup;
ORACLE instance started.

Total System Global Area 1071333376 bytes
Fixed Size          1388352 bytes
Variable Size       620757184 bytes
Database Buffers   444596224 bytes
Redo Buffers        4591616 bytes
Database mounted.
Database opened.
SQL>
```

```
SQL> select value from NLS_DATABASE_PARAMETERS where parameter='NLS_CHARACTERSET';
SQL> select value from NLS_DATABASE_PARAMETERS where parameter='NLS_CHARACTERSET';
-----
VALUE
-----
WE8MSWIN1252
SQL>
```

1. Create Roles (leave password blank):

WISORDEV_COMMON, WISORDEV_SUPPORTER and WISORDEV_UPDATER

Run below commands

```
Create Role WISORDEV_COMMON;
SQL> Create Role WISORDEV_COMMON;
Role created.
SQL>
```

```
Create Role WISORDEV_SUPPORTER;
SQL> Create Role WISORDEV_SUPPORTER;
Role created.
SQL>
```

```
Create Role WISORDEV_UPDATER;
```

```
SQL> Create Role WISORDEV_UPDATER;  
Role created.  
SQL>
```

2. Create users

Create user WISORDEV

default tablespace=WISOR_DATA, temp tblspace=TEMP

pw devowner

Run below command.

```
create user WISORDEV identified by devowner default tablespace WISOR_DATA temporary tablespace  
TEMP;  
SQL> create user WISORDEV identified by devowner default tablespace WISOR_DATA  
temporary tablespace TEMP;  
User created.  
SQL>
```

Grant ROLES=CONNECT, RESOURCE

```
GRANT CONNECT,RESOURCE TO WISORDEV;  
SQL> GRANT CONNECT,RESOURCE TO WISORDEV;  
Grant succeeded.  
SQL>
```

Sys priv = CREATE JOB, SEQUENCE, SESSION ,SYNONYM, TABLE, TRIGGER, VIEW, UNLIMITED
TABLESPACE

```
GRANT create JOB, create SEQUENCE, create SESSION, create SYNONYM, create TABLE, create TRIGGER,  
create VIEW, UNLIMITED TABLESPACE to WISORDEV;  
SQL> GRANT create JOB, create SEQUENCE, create SESSION, create SYNONYM, create T  
ABLE, create TRIGGER, create VIEW, UNLIMITED TABLESPACE to WISORDEV;  
Grant succeeded.  
SQL>
```

create user WISORDEV_SUPPORT

default tablespace=WISOR_DATA, temp tablespace=TEMP

pw supportaccount

```
create user WISORDEV_SUPPORT identified by supportaccount default tablespace WISOR_DATA  
temporary tablespace TEMP;
```

```
SQL> create user WISORDEV_SUPPORT identified by supportaccount default tablespace WISOR_DATA  
temporary tablespace TEMP;
```

```
User created.
```

```
SQL>
```

ROLES=WISORDEV_SUPPORTER

```
GRANT WISORDEV_SUPPORTER to WISORDEV_SUPPORT;
```

```
SQL> GRANT WISORDEV_SUPPORTER to WISORDEV_SUPPORT;
```

```
Grant succeeded.
```

```
SQL>
```

Sys priv= none

Obj priv = imported from dmp

create user WISORDEV_USER

default tablespace=WISOR_DATA, temp tablespace=TEMP

pw devupdate

```
create user WISORDEV_USER identified by devupdate default tablespace WISOR_DATA temporary  
tablespace TEMP;
```

```
SQL> create user WISORDEV_USER identified by devupdate default tablespace WISOR_DATA  
temporary tablespace TEMP;
```

```
User created.
```

```
SQL>
```

Roles= WISOR_UPDATER

```
GRANT WISORDEV_UPDATER to WISORDEV_USER;
```

```
SQL> GRANT WISORDEU_UPDATER to WISORDEU_USER;  
Grant succeeded.  
SQL>
```

Sys priv = Create Session

Obj priv = n/a

Create user WISORINT

default tablespace=WISOR_DATA, temp tablespace=TEMP

pw intowner

```
create user WISORINT identified by intowner default tablespace WISOR_DATA temporary tablespace  
TEMP;  
SQL> create user WISORINT identified by intowner default tablespace WISOR_DATA  
temporary tablespace TEMP;  
User created.  
SQL>
```

Roles = n/a

Sys priv = n/a

Obj priv = imported from dmp

Create user WISORSYS

default tablespace=WISOR_DATA, temp tablespace=TEMP

pw sysowner

```
create user WISORSYS identified by sysowner default tablespace WISOR_DATA temporary tablespace  
TEMP;  
SQL> create user WISORSYS identified by sysowner default tablespace WISOR_DATA  
temporary tablespace TEMP;  
User created.  
SQL>
```

Roles = n/a

Sys priv = n/a

Obj priv = imported from dmp

3. To import dmp we need to use the 'sys' account:

Open Command prompt and go to the path where WISORDEV-R1502.dmp file exist and run below command.

```
imp 'system/manager as sysdba' file=WISORDEV-R1502.dmp fromuser=WISORDEV touser=WISORDEV log=importlog.txt
```

```
C:\Users\atul.sharma1>cd C:\Users\atul.sharma1\Desktop\temp\Wisor Softwares\DB DMP
C:\Users\atul.sharma1\Desktop\temp\Wisor Softwares\DB DMP>dir
 Volume in drive C is OS
 Volume Serial Number is 9036-F2E1

 Directory of C:\Users\atul.sharma1\Desktop\temp\Wisor Softwares\DB DMP

12/12/2017  05:04 PM    <DIR>      .
12/12/2017  05:04 PM    <DIR>      ..
12/12/2017  05:04 PM    <DIR>          data
12/12/2017  03:33 PM        301,340,672 WISORDEV-R1502.dmp
               1 File(s)   301,340,672 bytes
               3 Dir(s)  150,418,251,776 bytes free

C:\Users\atul.sharma1\Desktop\temp\Wisor Softwares\DB DMP>
```

```
cmd /c cmd.exe - imp 'system/manager as sysdba' file=WISORDEV-R1502.dmp fromuser=WISORDEV touser=WISORDEV log=importlog.txt
Copyright (c) 2009 Microsoft Corporation. All rights reserved.

C:\Users\atul.sharma1>cd C:\Users\atul.sharma1\Desktop\temp\Wisor Softwares\DB DMP
C:\Users\atul.sharma1\Desktop\temp\Wisor Softwares\DB DMP>dir
 Volume in drive C is OS
 Volume Serial Number is 9036-F2E1

 Directory of C:\Users\atul.sharma1\Desktop\temp\Wisor Softwares\DB DMP

12/12/2017  05:04 PM    <DIR>      .
12/12/2017  05:04 PM    <DIR>      ..
12/12/2017  05:04 PM    <DIR>          data
12/12/2017  03:33 PM        301,340,672 WISORDEV-R1502.dmp
               1 File(s)   301,340,672 bytes
               3 Dir(s)  150,418,251,776 bytes free

C:\Users\atul.sharma1\Desktop\temp\Wisor Softwares\DB DMP>imp 'system/manager as sysdba' file=WISORDEV-R1502.dmp fromuser=WISORDEV touser=WISORDEV log=importlog.txt
Import: Release 11.2.0.2.0 - Production on Tue Dec 12 17:07:29 2017
Copyright (c) 1982, 2009, Oracle and/or its affiliates. All rights reserved.

Connected to: Oracle Database 11g Express Edition Release 11.2.0.2.0 - Production
Export file created by EXPORT:U11.02.00 via conventional path
Warning: the objects were exported by WISORDEV, not by you

import done in WE8MSWIN1252 character set and AL16UTF16 NCHAR character set
. . . importing WISORDEV's objects into WISORDEV
. . . importing table "ACLOCATION"      558 rows imported
. . . importing table "ASRSHOLD"       756 rows imported
. . . importing table "ASRUDITITEM"     44625 rows imported
. . . importing table "ASREBORN"        1722 rows imported
. . . importing table "ASRNOTE"         7 rows imported
. . . importing table "ASRORDER"        984 rows imported
. . . importing table "ASREMARK"        1392 rows imported
. . . importing table "ASREMARKS"       849 rows imported
. . . importing table "ASRSAVEDSCREENS" 2620 rows imported
. . . importing table "ASRWARESELECTIONS" 335 rows imported
. . . importing table "BILLINGACCOUNT"   1381 rows imported
. . . importing table "CIRCUIT"         366 rows imported
. . . importing table "CIRCUIT"         1749 rows imported
. . . importing table "CIRCUITCOLLECTION" 1047 rows imported
. . . importing table "CIRCUITKEY"       482 rows imported
. . . importing table "COMMAND"         965 rows imported
. . . importing table "CONFIRMATIONHIST"  39 rows imported
. . . importing table "CONFIRMATIONHISTORY" 75 rows imported
. . . importing table "CONTACT"         326 rows imported
. . . importing table "CROSSSECTION"    113 rows imported
. . . importing table "CSRKEY"          2329 rows imported
. . . importing table "CSRKEY"          472 rows imported
. . . importing table "CSR FILE"        0 rows imported
. . . importing table "CSR_ITEM"        0 rows imported
```

```

C:\Windows\system32\cmd.exe
.
. importing table "REF_NC_CODE" 43 rows imported
. importing table "REF_NOTE TYPE" 27 rows imported
. importing table "REF_OBJECT_HELP" 580 rows imported
. importing table "REF_OFFICECLASS" 7 rows imported
. importing table "REF_ORGANIZATION_ICSC" 43 rows imported
. importing table "REF_PRICEPLAN" 27 rows imported
. importing table "REF_PROUNCE" 13 rows imported
. importing table "REF_PROVISIONING_WORKLIST_NPA" 30 rows imported
. importing table "REF_PULSING" 3 rows imported
. importing table "REF_SCREEN" 73 rows imported
. importing table "REF_SCREENOBJECT_HELP" 1252 rows imported
. importing table "REF_SCREENOBJECT_HELP_T" 1227 rows imported
. importing table "REF_SECONDARYLOCATION" 902 rows imported
. importing table "REF_SERVICE" 18 rows imported
. importing table "REF_SERVICEPACKAGE" 351 rows imported
. importing table "REF_SERVICEPACKAGEFIELD" 967 rows imported
. importing table "REF_SERVICEPACKAGEFIELDVALUE" 2679 rows imported
. importing table "REF_SERVICEPACKAGEUSOC" 902 rows imported
. importing table "REF_SERVICE_OPTION" 66 rows imported
. importing table "REF_STANDARD_INTERVAL" 5631 rows imported
. importing table "REF_STANDARD_INTERVAL_X" 33786 rows imported
. importing table "REF_TABLECOLUMNDISPLAY" 21 rows imported
. importing table "REF_TABLENAMEREference" 37 rows imported
. importing table "REF_TAX" 9 rows imported
. importing table "REF_TEMPLATEGROUP" 121 rows imported
. importing table "REF_TRAFFIC_CLASS" 7 rows imported
. importing table "REF_TRAFFIC_MODIFIER" 2456 rows imported
. importing table "REF_TRAFFIC_USE" 26 rows imported
. importing table "REF_TRANSLATION_SERVICE" 21 rows imported
. importing table "REF_TRAN_SRUC_TO_TEMPLATE" 69 rows imported
. importing table "REF_USO_ITEM" 760 rows imported
. importing table "REF_USO_ITEM_TO_MODULE" 1175 rows imported
. importing table "REF_USO_TEMPLATE" 46 rows imported
. importing table "REPORTDATADESCRIPTOR" 964 rows imported
. importing table "REPORTDEFINITION" 128 rows imported
. importing table "REPORTDEFINITIONOLD" 122 rows imported
. importing table "ROLE" 9 rows imported
. importing table "RULE" 88449 rows imported
. importing table "RULEMODULES" 42973 rows imported
. importing table "SECLOCATION" 534 rows imported
. importing table "SSPC" 204 rows imported
. importing table "SSR" 0 rows imported
. importing table "SWITCHEDCIRCUIT" 892 rows imported
. importing table "SWITCHEDCIRCUITCOLLECTION" 619 rows imported
. importing table "TNCIRCUIT" 60 rows imported
. importing table "TRANSITINGCIC" 123 rows imported
. importing table "TRANSLATIONQUESTIONNAIRE" 53 rows imported
. importing table "USERPREFERENCE" 45 rows imported
. importing table "USO" 1994 rows imported
. importing table "USOITEM" 255166 rows imported
. importing table "USOSTATUS" 4174 rows imported
. importing table "USOTEMPLATEAUDIT" 6590 rows imported
About to enable constraints...
Import terminated successfully without warnings.

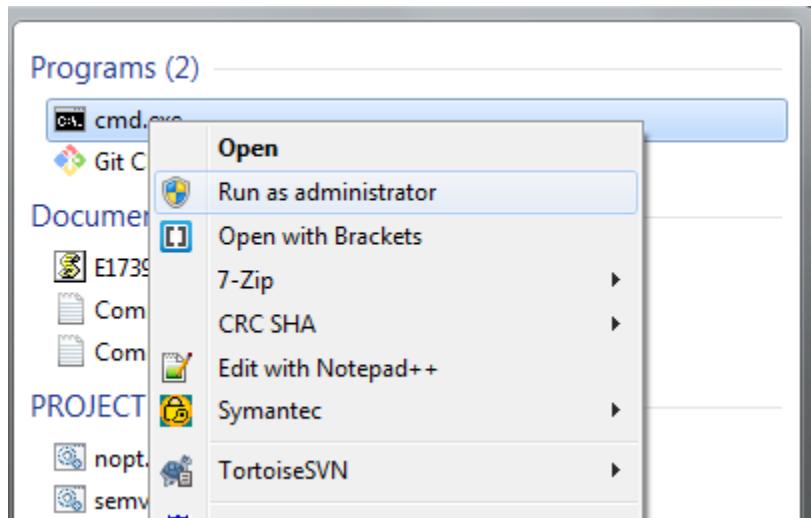
```

C:\Users\atul.sharma1\Desktop\temp\Wisor Softwares\DB DMP>

2. Weblogic server (Weblogic Server 12.2.1.2)

a. Installation

Run cmd.exe as administrator



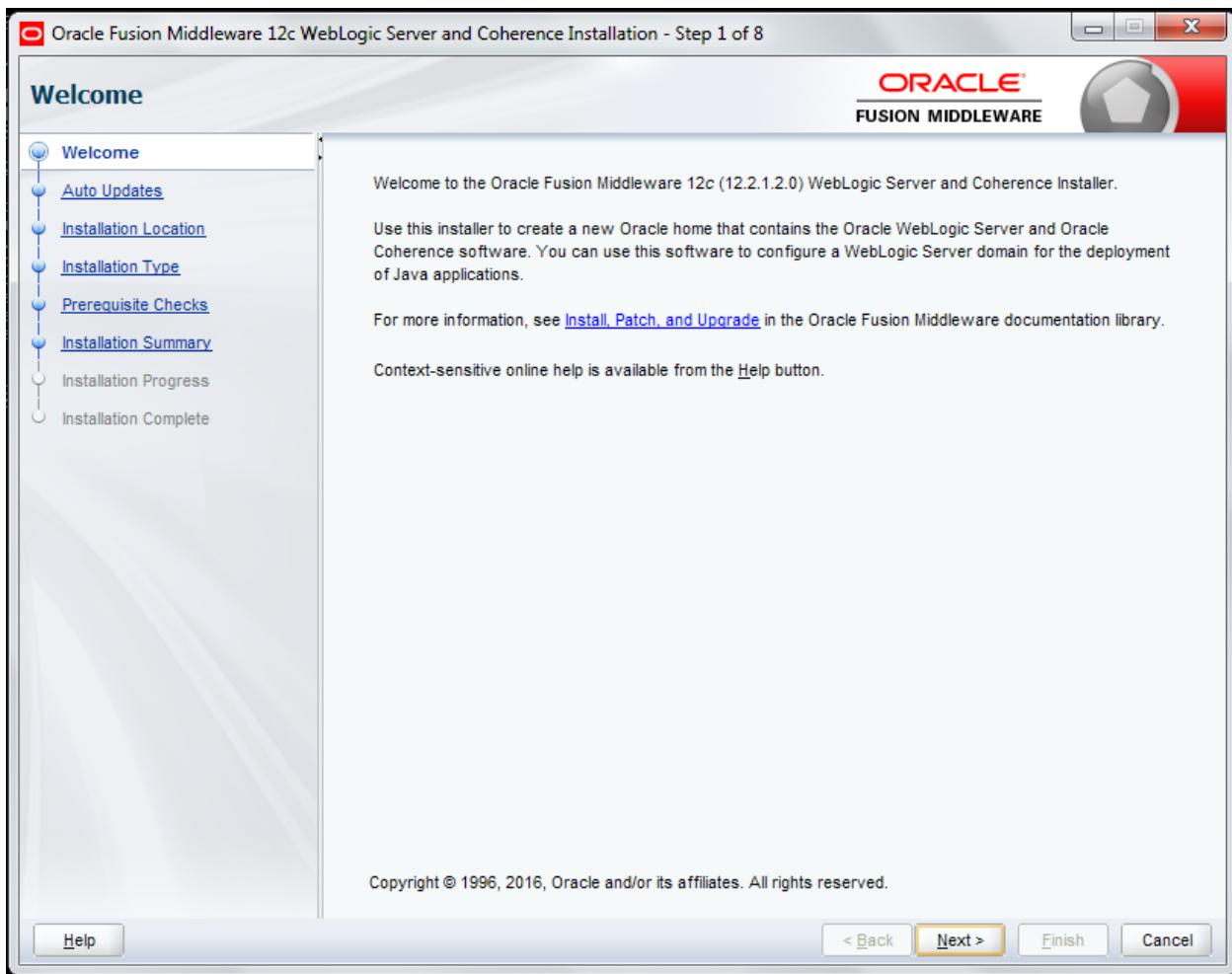
Go to the path where you have copied "**fmw_12.2.1.2.0_wls.jar**" file.

```
Administrator: C:\Windows\System32\cmd.exe
C:\windows\system32>cd C:\Users\atul.sharma1\Desktop\temp\Wisor Softwares\Weblogic Server 12.2.1.2
C:\Users\atul.sharma1\Desktop\temp\Wisor Softwares\Weblogic Server 12.2.1.2>dir
 Volume in drive C is OS
 Volume Serial Number is 9036-F2E1
 Directory of C:\Users\atul.sharma1\Desktop\temp\Wisor Softwares\Weblogic Server 12.2.1.2
12/12/2017  04:03 PM    <DIR>    .
12/12/2017  04:03 PM    <DIR>    ..
12/12/2017  03:17 PM           829,753,003 fmw_12.2.1.2.0_wls.jar
                           1 File(s)   829,753,003 bytes
                           2 Dir(s)  155,590,217,728 bytes free
C:\Users\atul.sharma1\Desktop\temp\Wisor Softwares\Weblogic Server 12.2.1.2>
```

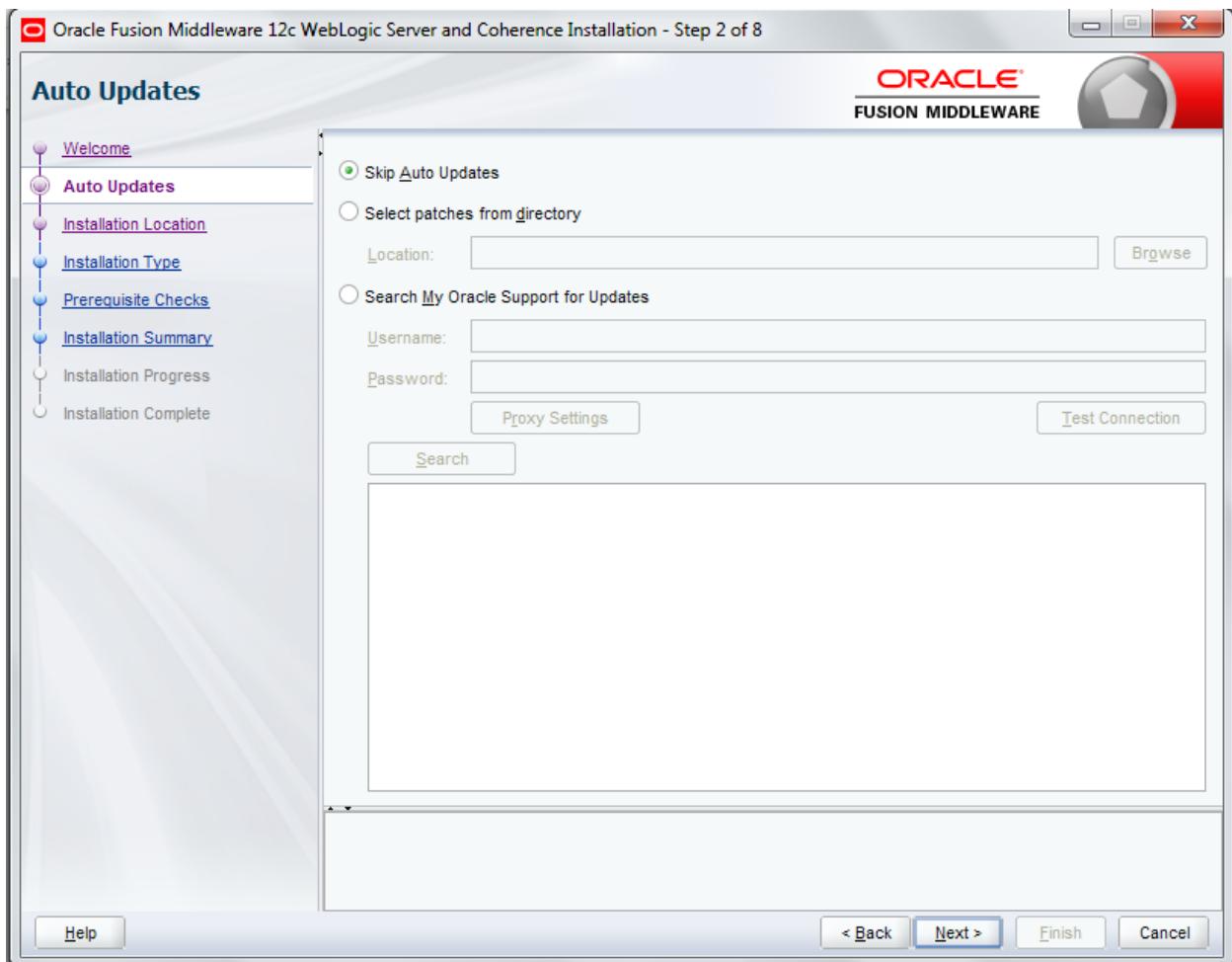
Execute below command

```
java -jar fmw_12.2.1.2.0_wls.jar
```

It will launch Oracle Fusion Middleware 12c Weblogic Server and Coherence Installation as below.

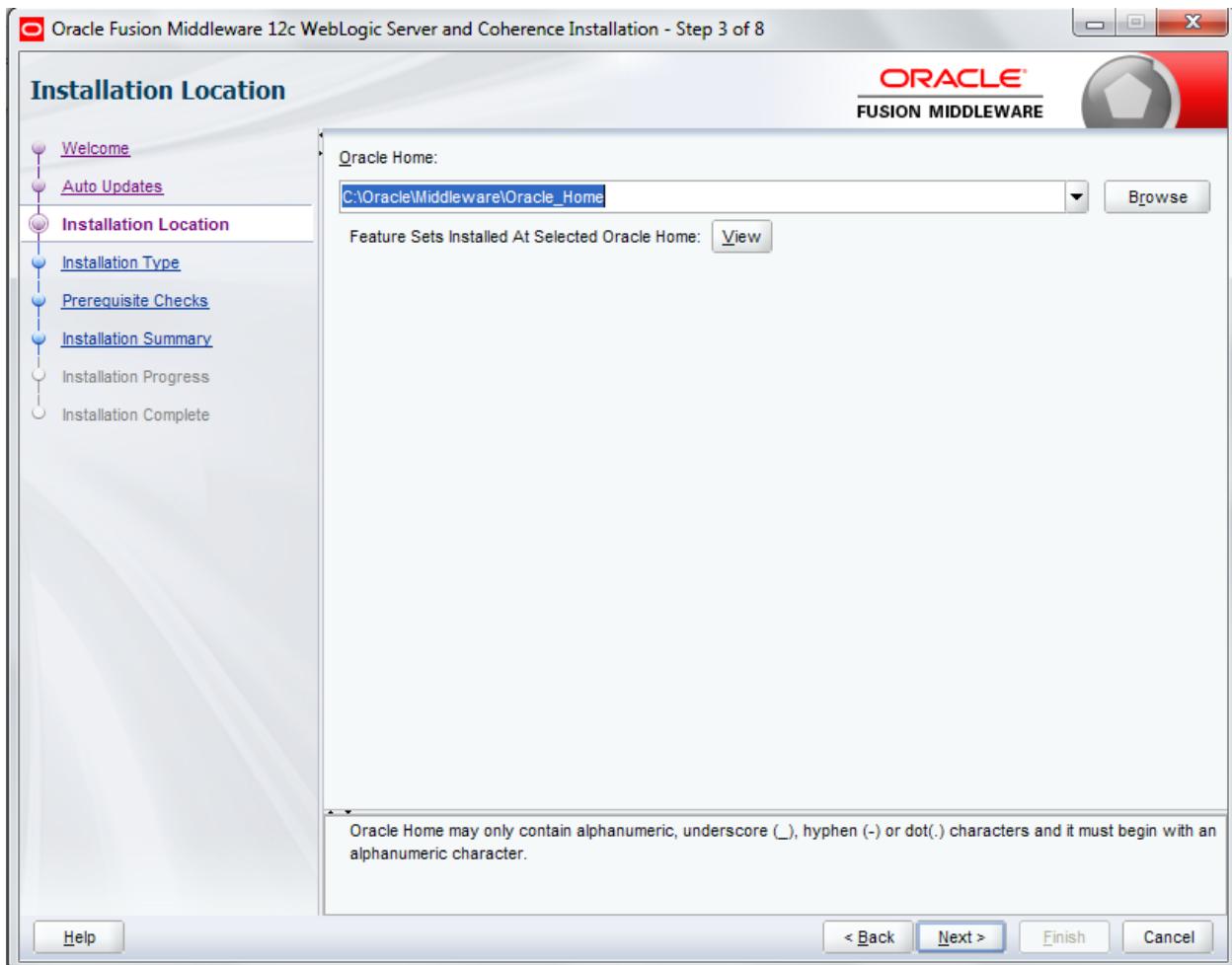


Click on **Next**

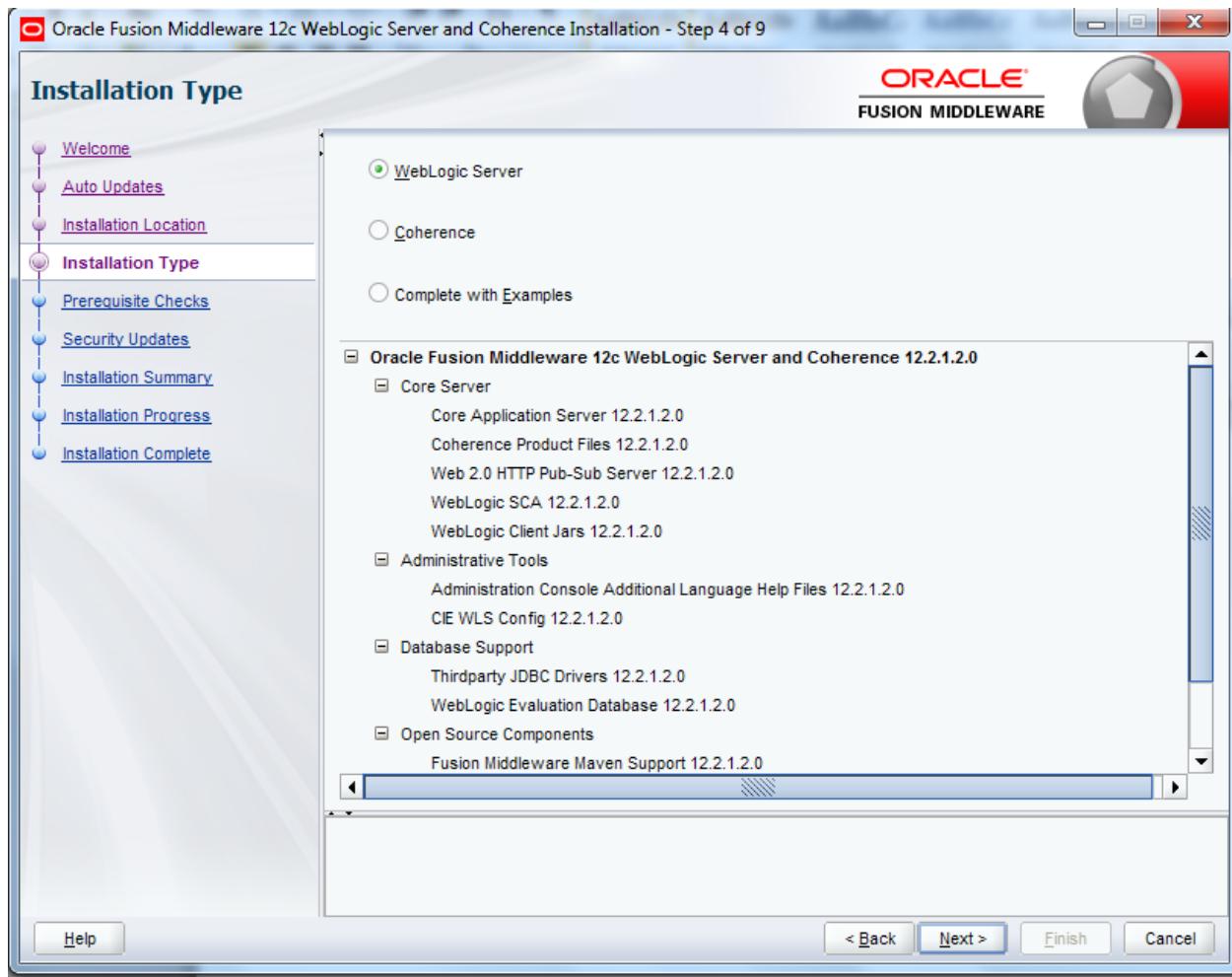


Click on **Next**

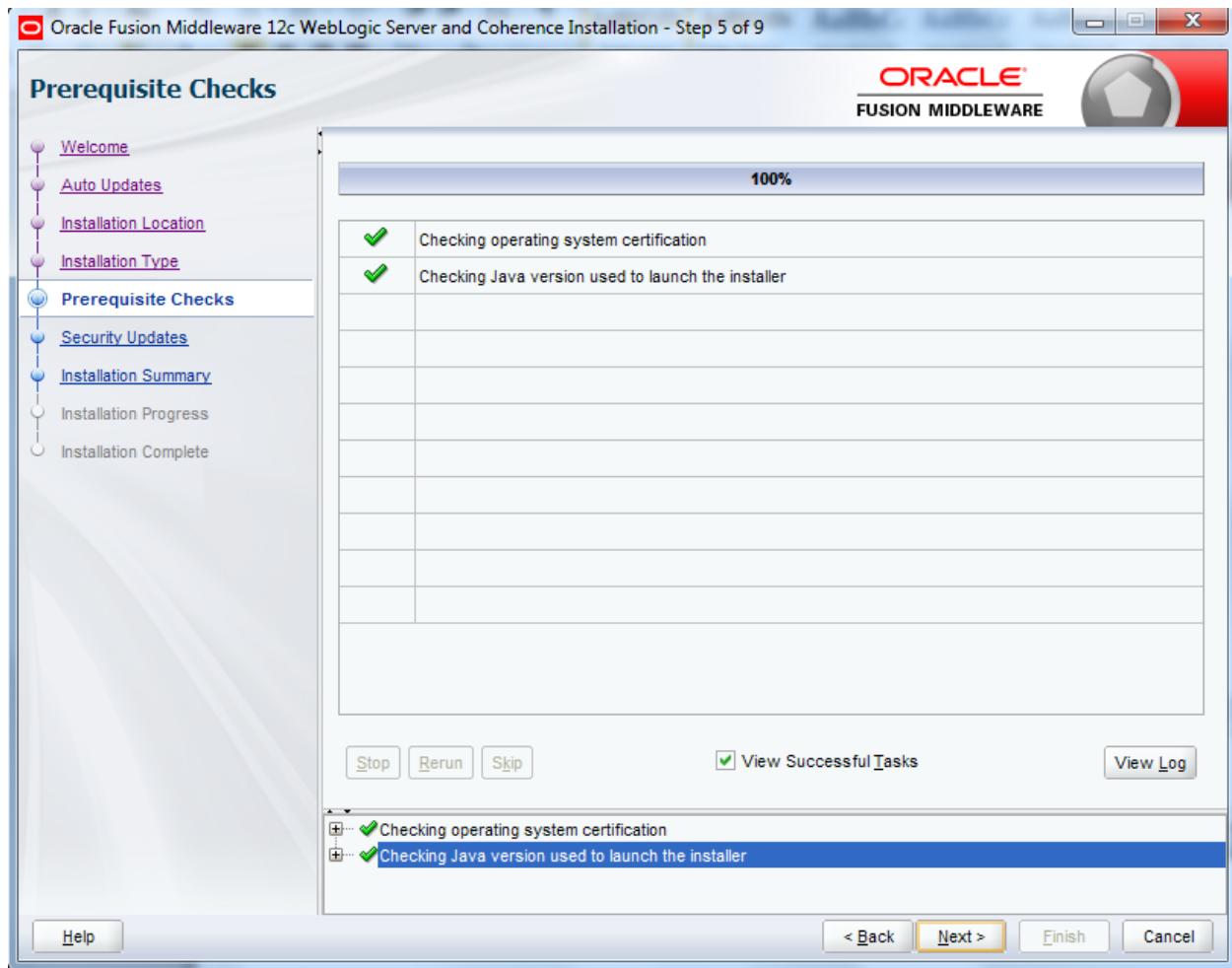
Oracle Home : C:\Oracle\Middleware\Oracle_Home



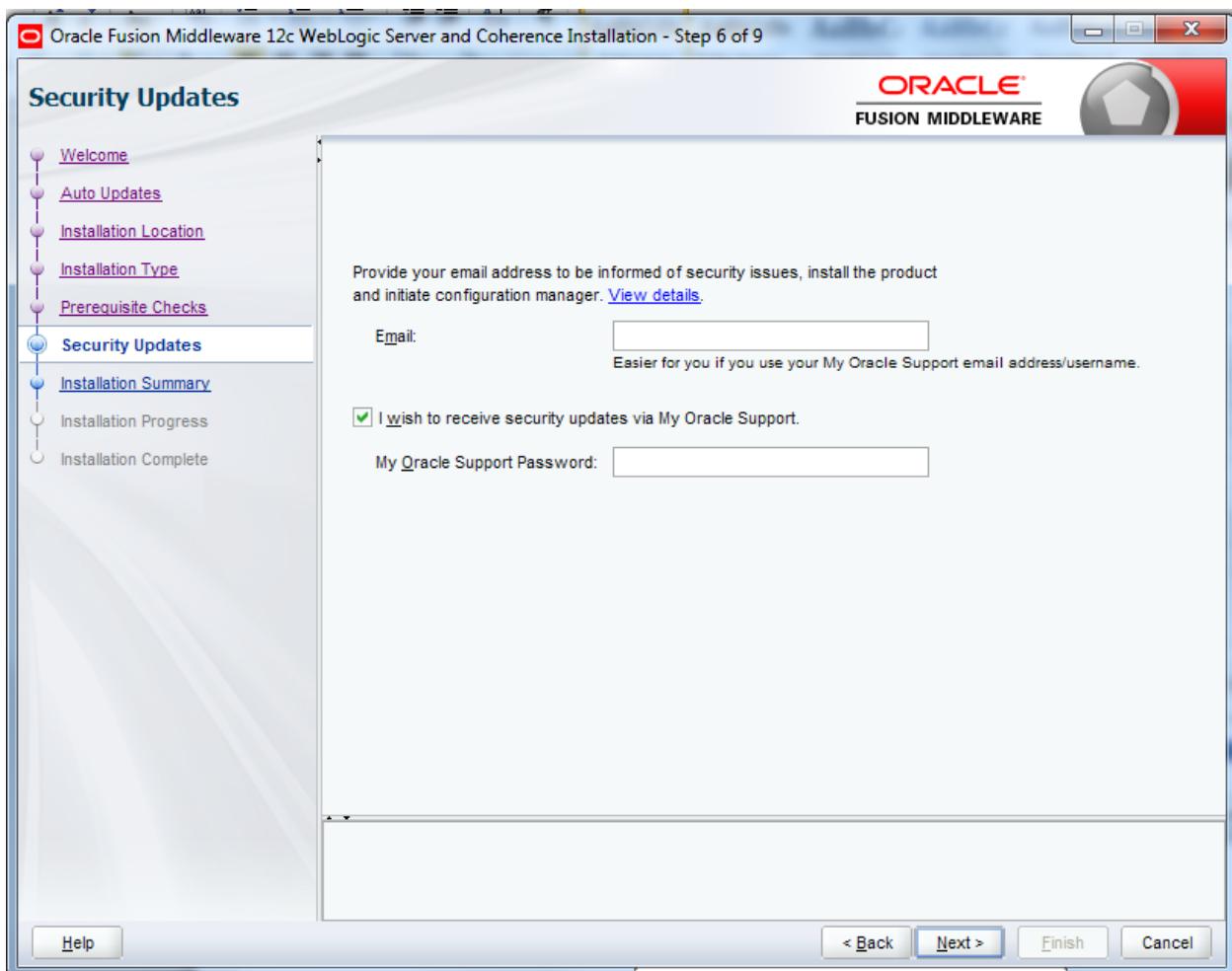
Click **Next**



Click on **Next**

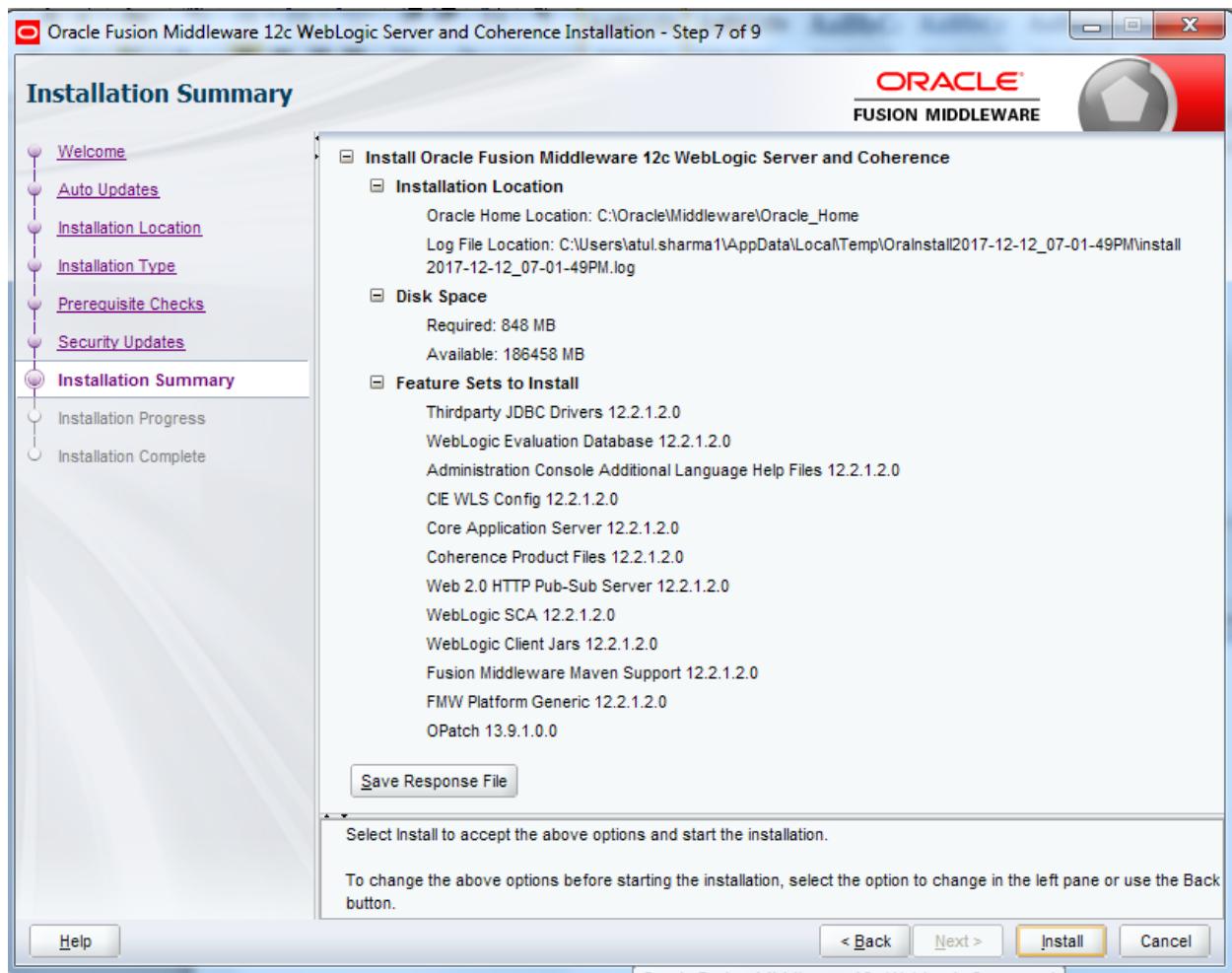


Click on **Next**

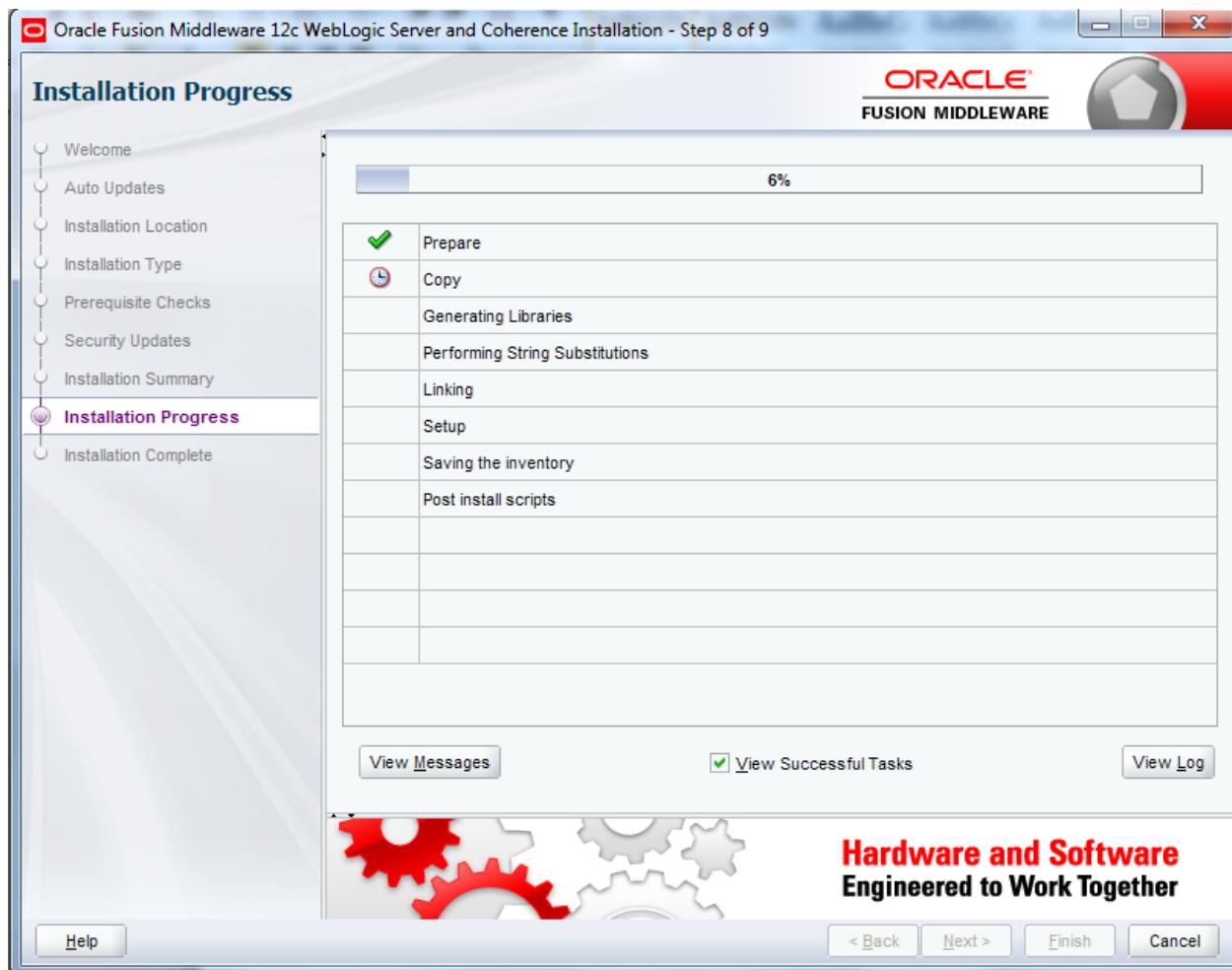


Uncheck the security updates from Oracle support as it requires oracle support password.

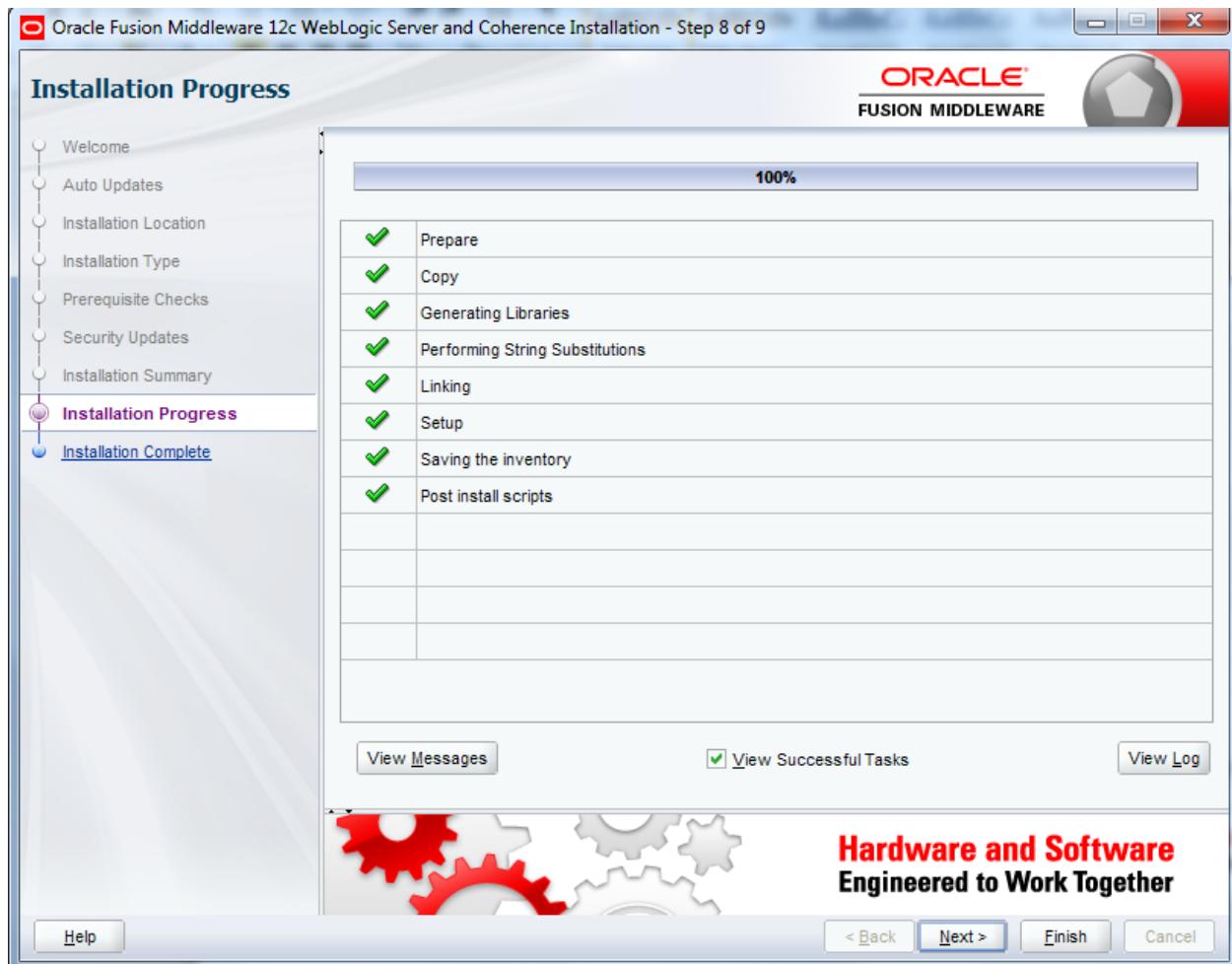
Click on **Next**



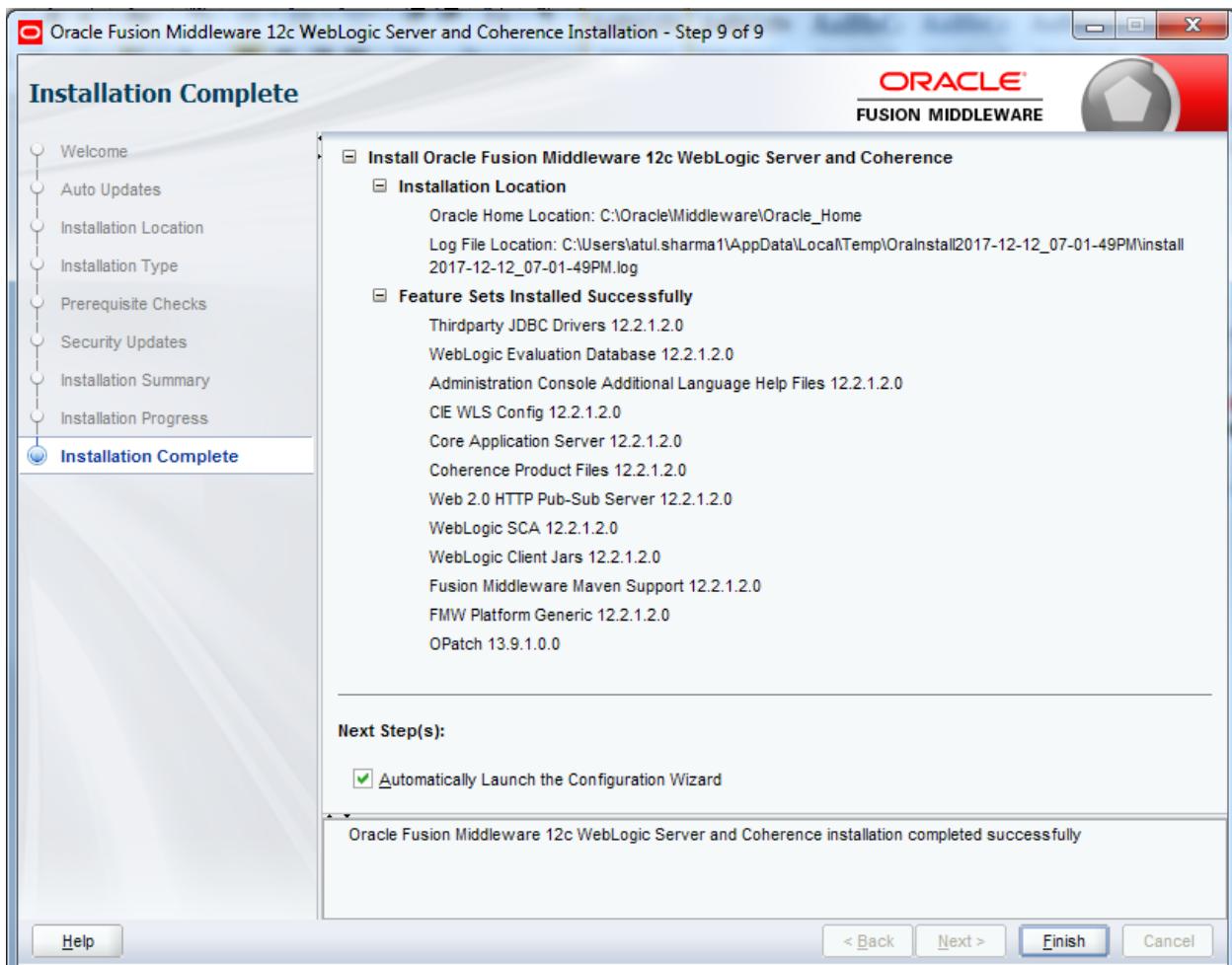
Click on **Install**



Click on **Next**



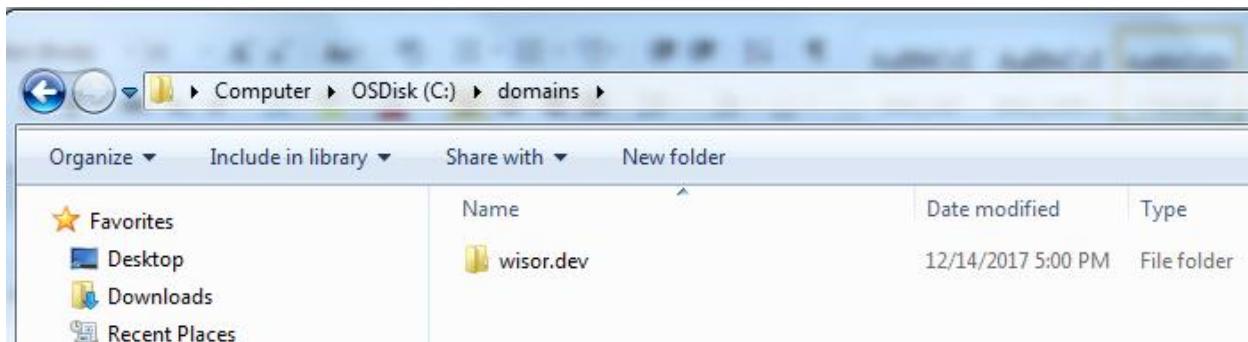
Click on Next



Click on Finish.

b. Domain Configuration (wisor.dev)

Create folder with the name **domains** in **C drive** and copy the domain **wisor.dev** in to it.



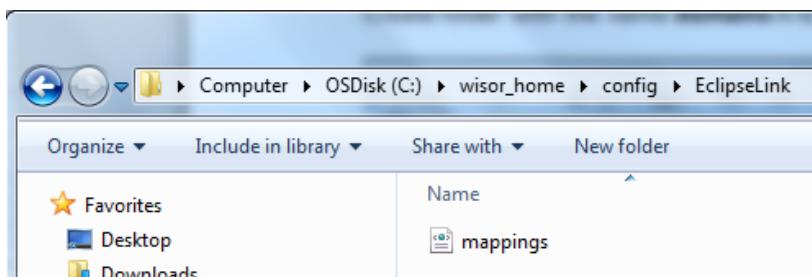
Domain path is: C:\domains\wisor.dev

Update the **LibDir** property in config.properties as per your folder structure

```
from  
LibDir=C:/wisor_home/WISOR-MAVEN/wisor/wisor/target/wisor-1.0-SNAPSHOT/WEB-INF/lib  
To  
LibDir=C:/YourFolder_Where_WisorCodePresent/WISOR-MAVEN/wisor/wisor/target/wisor-1.0-SNAPSHOT/WEB-INF/lib
```

Create a folder **wisor_home** in **C drive**.

Extract below embedded **config.zip** file and copy it in **wisor_home** folder. It contains mappings.xml for EclipseLink.



c. Creation of Data Source (wisor_datasource)

1. After successful creation of Domain, start the Weblogic server using **startWisor.cmd** file from the path C:\domains\wisor.dev.
2. Access the URL <http://localhost:7001/console>
User name: weblogic
Password: wisor123
3. On Weblogic console under **Domain Structure**, expand **Services** and click on **Data Sources**

Configuration editing is enabled. Future changes will automatically be activated as you modify, add or delete items in this domain.

Summary of JDBC Data Sources

Configuration Monitoring

A JDBC data source is an object bound to the JNDI tree that provides database connectivity through a pool of JDBC connections. Applications can look up a data source on the JNDI tree and then borrow a database connection from a data source.

This page summarizes the JDBC data source objects that have been created in this domain.

Customize this table

Data Sources (Filtered - More Columns Exist)

| New | Delete | Name | Type | JNDI Name | Targets | Scope | Domain Partitions |
|-------------------------------|--------|------|------|-----------|---------|-------|-------------------|
| There are no items to display | | | | | | | |

New Delete

Showing 0 to 0 of 0 Previous | Next

How do I... Create JDBC generic data sources

4. Under **Summary of JDBC Data Sources** click on **New** dropdown list and select **Generic Data Source**

Home >Summary of JDBC Data Sources >Summary of Services >Summary of JDBC Data Sources

Summary of JDBC Data Sources

Configuration Monitoring

A JDBC data source is an object bound to the JNDI tree that provides database connectivity through a pool of JDBC connections. Applications can look up a data source on the JNDI tree and then borrow a database connection from a data source.

This page summarizes the JDBC data source objects that have been created in this domain.

Customize this table

Data Sources (Filtered - More Columns Exist)

| New | Delete | Type | JNDI Name |
|----------------------|--------|------|-----------|
| Generic Data Source | | | The |
| GridLink Data Source | | | |
| Multi Data Source | | | |
| Proxy Data Source | | | |
| UCP Data Source | | | |

New Delete

Showing 0 to 0 of 0 Previous | Next

5. Under **Create a New JDBC Data Source** give below details and click on **Next**:

- o **Name:** wisor_datasource
- o **JNDI Name:** wisor_datasource
- o **Database Type:** Oracle

Home >Summary of JDBC Data Sources >Summary of Services >Summary of JDBC Data Sources

Create a New JDBC Data Source

Back Next Finish Cancel

JDBC Data Source Properties

The following properties will be used to identify your new JDBC data source.
* Indicates required fields

What would you like to name your new JDBC data source?

Name:

What scope do you want to create your data source in ?

Scope:

What JNDI name would you like to assign to your new JDBC Data Source?

JNDI Name:

What database type would you like to select?

Database Type:

Back Next Finish Cancel

6. Select the default Database Driver and click on **Next**

Home >Summary of JDBC Data Sources

Create a New JDBC Data Source

Back Next Finish Cancel

JDBC Data Source Properties

The following properties will be used to identify your new JDBC data source.

Database Type: Oracle

What database driver would you like to use to create database connections? Note: * indicates that the driver is explicitly supported by Oracle WebLogic Server.

Database Driver:

Back Next Finish Cancel

7. Keep the default settings on the next page and click on **Next**

Home > Summary of JDBC Data Sources

Create a New JDBC Data Source

[Back](#) [Next](#) [Finish](#) [Cancel](#)

Transaction Options

You have selected non-XA JDBC driver to create database connection in your new data source.

Does this data source support global transactions? If yes, please choose the transaction protocol for this data source.

Supports Global Transactions

Select this option if you want to enable non-XA JDBC connections from the data source to participate in global transactions using the *Logging Last Resource* (LLR) transaction optimization. Recommended in place of Emulate Two-Phase Commit.

Logging Last Resource

Select this option if you want to enable non-XA JDBC connections from the data source to emulate participation in global transactions using JTA. Select this option only if your application can tolerate heuristic conditions.

Emulate Two-Phase Commit

Select this option if you want to enable non-XA JDBC connections from the data source to participate in global transactions using the one-phase commit transaction processing. With this option, no other resources can participate in the global transaction.

One-Phase Commit

[Back](#) [Next](#) [Finish](#) [Cancel](#)

8. Enter below details and click on **Next**:

- Database Name :** XE
- Host Name:** localhost
- Port:** 1521
- Database User Name:** WISORDEV
- Password:** devowner
- Confirm Password:** devowner

[Back](#) [Next](#) [Finish](#) [Cancel](#)

Connection Properties

Define Connection Properties.

What is the name of the database you would like to connect to?

Database Name:

What is the name or IP address of the database server?

Host Name:

What is the port on the database server used to connect to the database?

Port:

What database account user name do you want to use to create database connections?

Database User Name:

What is the database account password to use to create database connections?

Password:

Confirm Password:

Additional Connection Properties:

oracle.jdbc.DRCPConnectionClass:

[Back](#) [Next](#) [Finish](#) [Cancel](#)

9. Click on **Test Configuration**, it will show a message as **Connection test succeeded.**
Then Click on **Next**.

Home >Summary of JDBC Data Sources >wisor_datasource >**Summary of JDBC Data Sources**

Messages

✓ Connection test succeeded.

Create a New JDBC Data Source

[Test Configuration] [Back] [Next] [Finish] [Cancel]

Test Database Connection

Test the database availability and the connection properties you provided.

What is the full package name of JDBC driver class used to create database connections in the connection pool?

(Note that this driver class must be in the classpath of any server to which it is deployed.)

Driver Class Name: oracle.jdbc.OracleDriver

What is the URL of the database to connect to? The format of the URL varies by JDBC driver.

URL: jdbc:oracle:thin:@//localhost:1521/XE

What database account user name do you want to use to create database connections?

Database User Name: WISORDEV

10. Select Targets as **AdminServer** and click on **Finish**

Create a New JDBC Data Source

[Back] [Next] [Finish] [Cancel]

Select Targets

You can select one or more targets to deploy your new JDBC data source. If you don't select a target, the data source will be created but not deployed. You will need to deploy the data source at a later time.

Servers

AdminServer

[Back] [Next] [Finish] [Cancel]

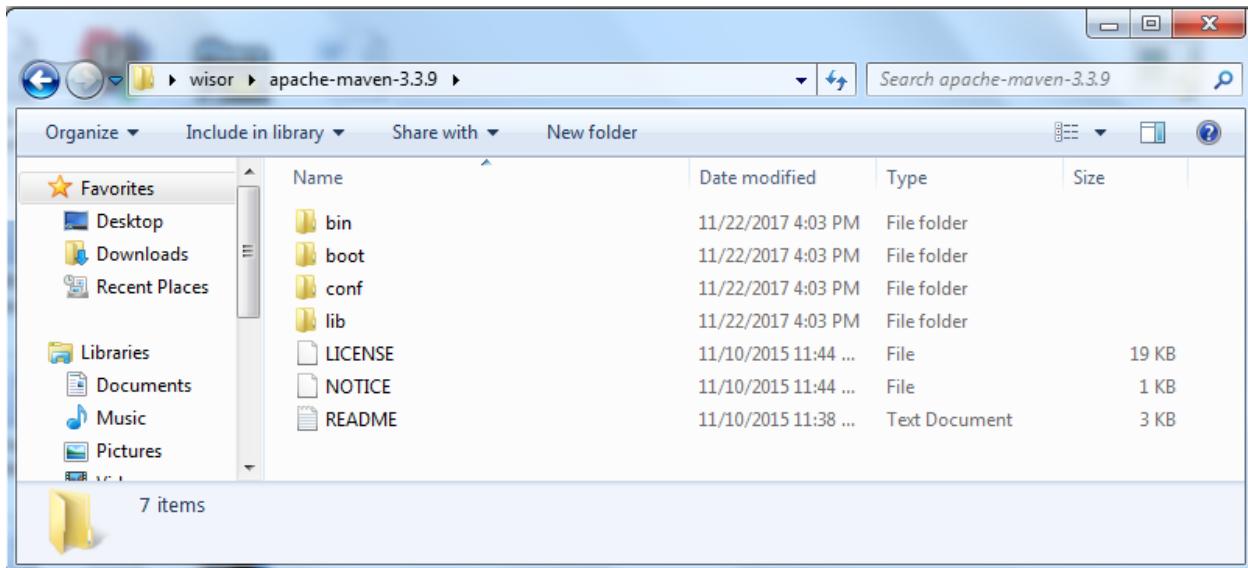
11. Successful Data Source creation looks like below.

| Data Sources (Filtered - More Columns Exist) | | | | | | |
|--|------------------|-------------------------------------|------------------|---------|--------|-------------------------------------|
| New | Delete | Showing 1 to 1 of 1 Previous Next | | | | |
| | Name | Type | JNDI Name | Targets | Scope | Domain Partitions |
| <input type="checkbox"/> | wisor_datasource | Generic | wisor_datasource | | Global | |
| New Delete | | | | | | Showing 1 to 1 of 1 Previous Next |

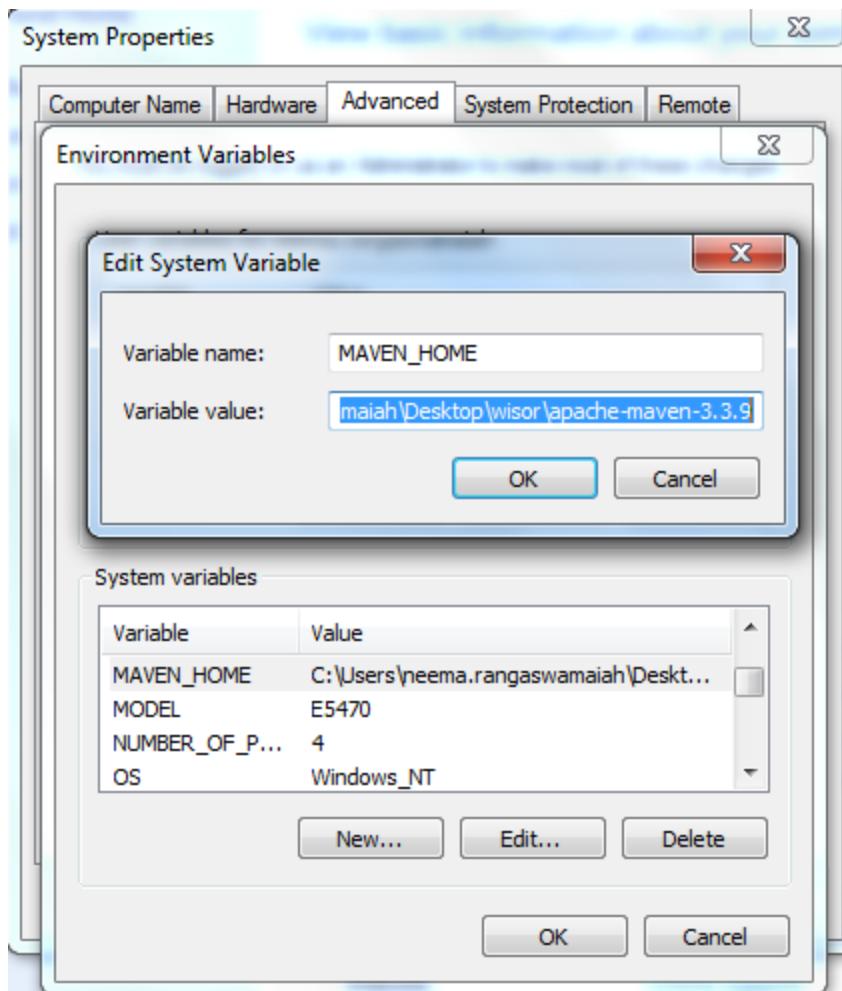
3. Maven Installation

Download Maven Software from <http://maven.apache.org/download.cgi>

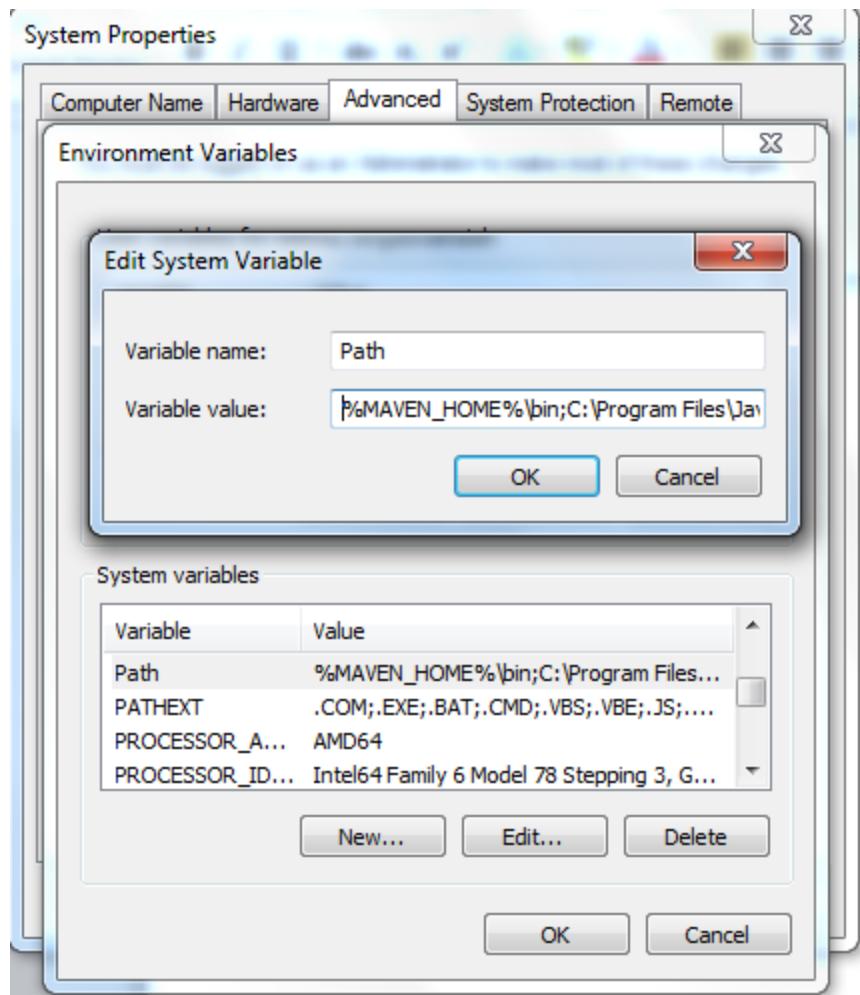
and Extract it



Create System Variable **MAVEN_HOME** as below



Update the variable **Path** with **%MAVEN_HOME%\bin** as shown below.



Open the cmd and run the command **mvn –version** and you should be able to see the maven version as below.

```
C:\> C:\Windows\system32\cmd.exe
Microsoft Windows [Version 6.1.7601]
Copyright <c> 2009 Microsoft Corporation. All rights reserved.

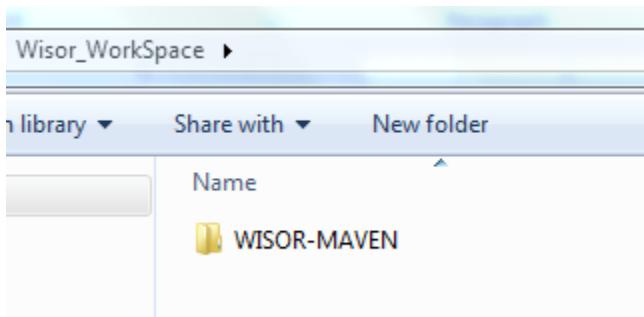
C:\>Users\neema.rangaswamaiah>mvn –version
Apache Maven 3.3.9 (9bb52d8502b132ec0a5a3f4c09453c07478323dc5; 2015-11-10T22:11:47+05:30)
Maven home: C:\Users\neema.rangaswamaiah\Desktop\wisor\apache-maven-3.3.9\bin\..
Java version: 1.8.0_131, vendor: Oracle Corporation
Java home: C:\Program Files\Java\jdk1.8.0_131\jre
Default locale: en_US, platform encoding: Cp1252
OS name: "windows 7", version: "6.1", arch: "amd64", family: "dos"

C:\>Users\neema.rangaswamaiah>
```

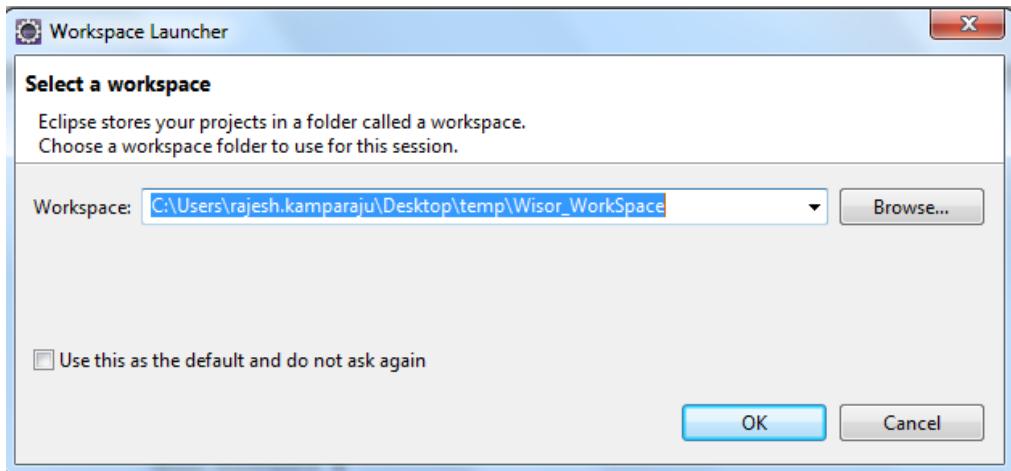
4. Wisor Code – Eclipse IDE Integration

Import Existing Wisor Project into Eclipse IDE

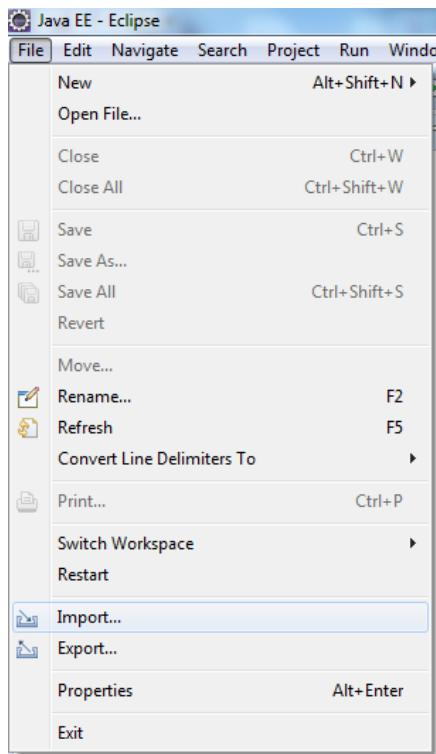
Create a workspace folder and copy Wisor source code into it.



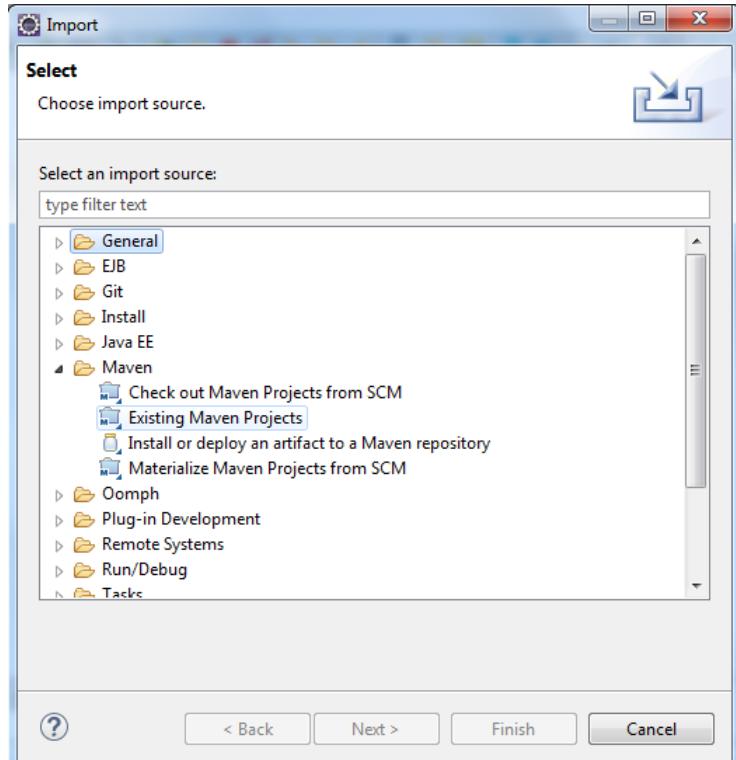
Open Eclipse and give workspace path and click on OK.



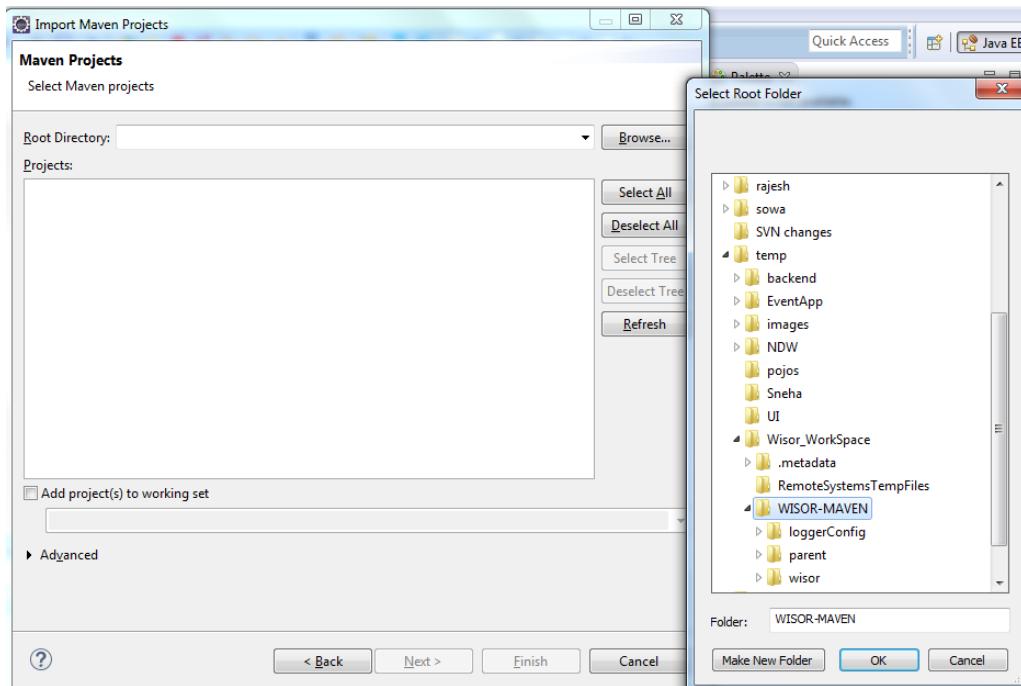
Go to **File** and click on **import**



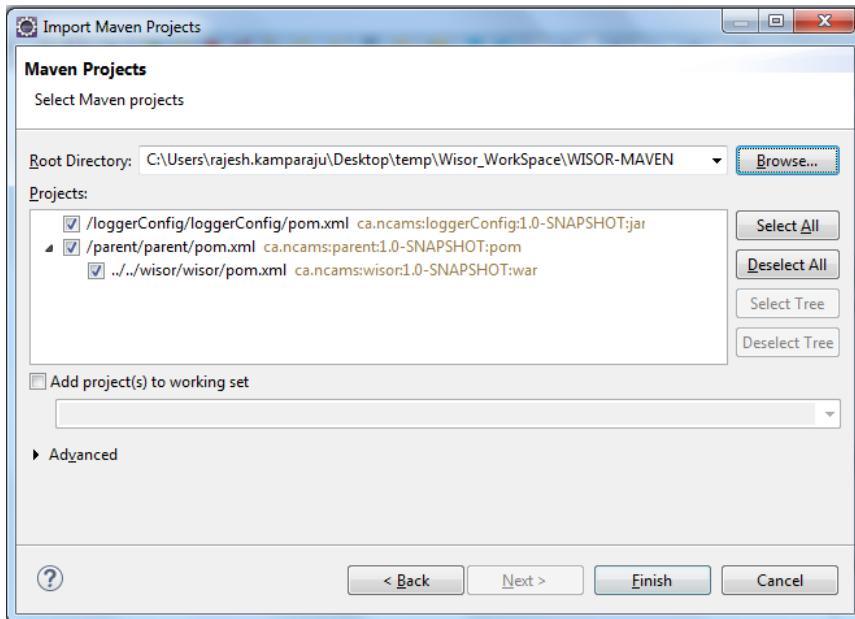
Go to **Maven** and select **Existing Maven Projects** and click on **Next**



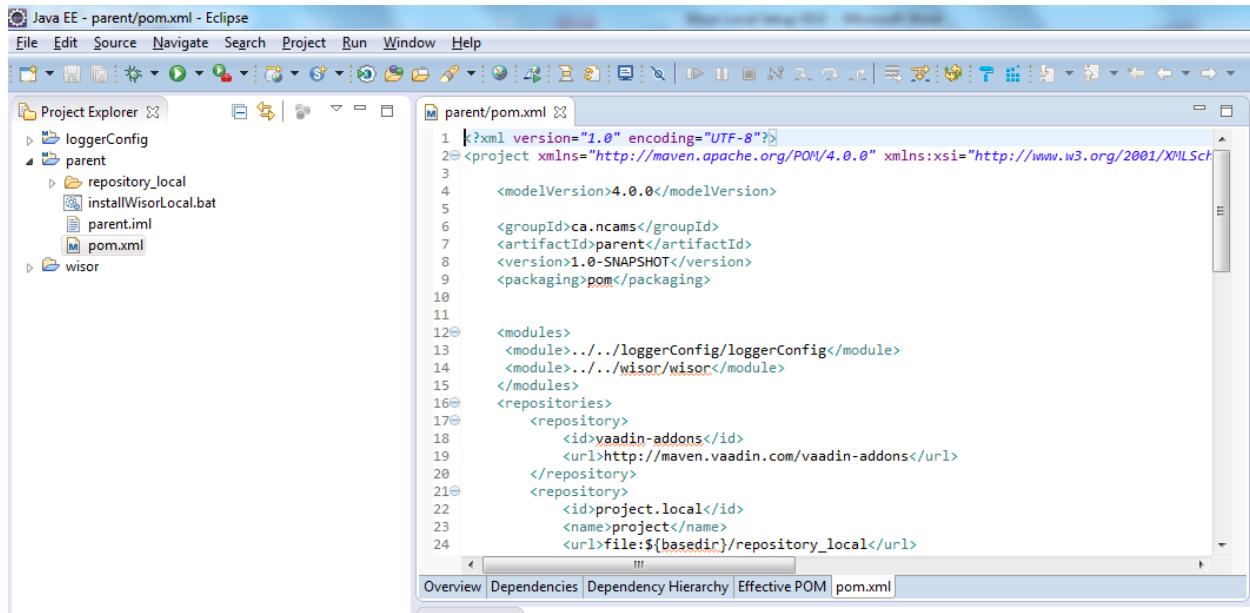
Click on Browse and select wisor source code folder (WISOR-MAVEN) in the workspace and click on Ok.



Click on **Finish**



Go to **parent** and open **pom.xml** file.



Verify and update local Oracle username, password and Domain Name as per your installations above.

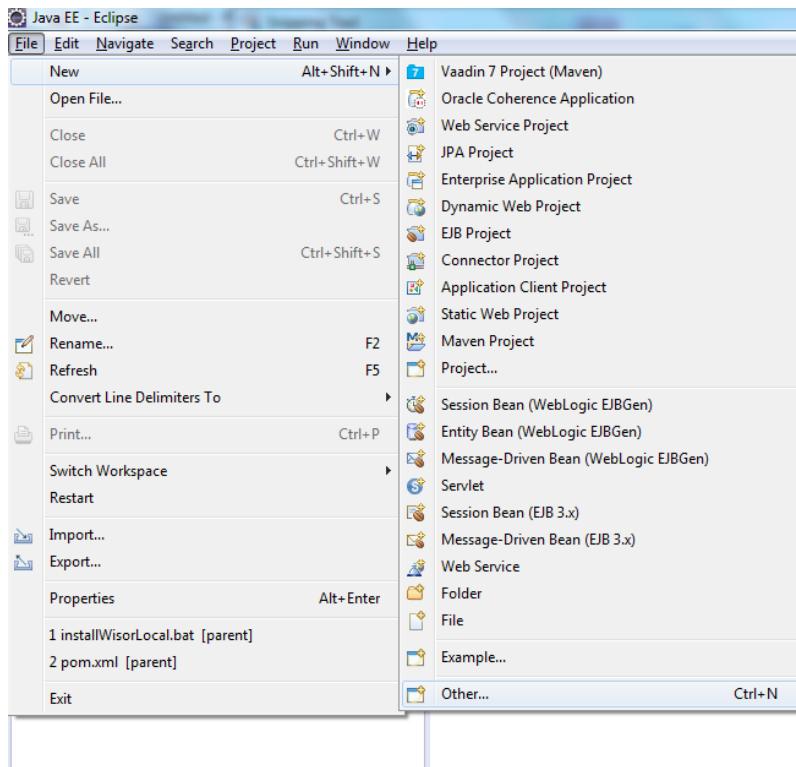
```

39  <profile>
40    <id>local-dev</id>
41    <activation>
42      <property>
43        <name>env</name>
44        <value>local</value>
45      </property>
46    </activation>
47    <properties>
48      <oracleMiddlewareHome>C:\Oracle\Middleware\Oracle_Home</oracleMiddlewareHome>
49      <oracleServerUrl>t3://localhost:7001</oracleServerUrl>
50      <oracleUsername>weblogic</oracleUsername>
51      <oraclePassword>wisor123</oraclePassword>
52      <oracleServerName>adminServer</oracleServerName>
53      <oracleDomainName>c:\domains\wisor.dev</oracleDomainName>
54    </properties>
55  </profile>
56

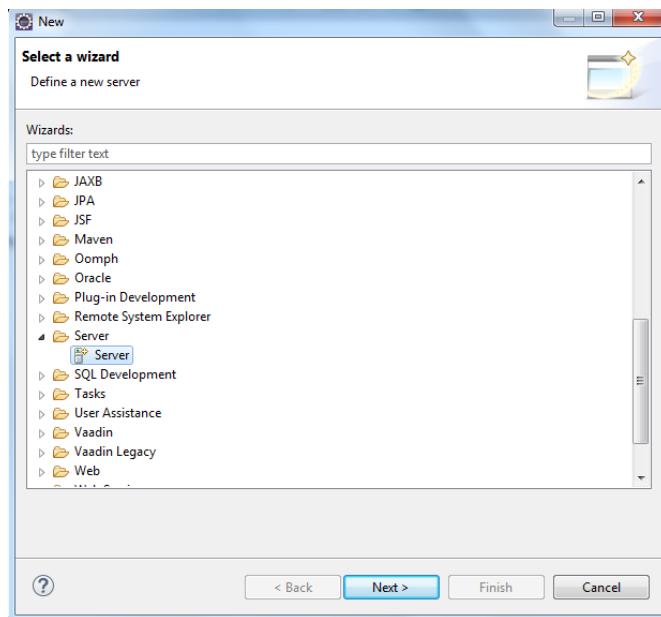
```

Add Weblogic Server to Eclipse IDE

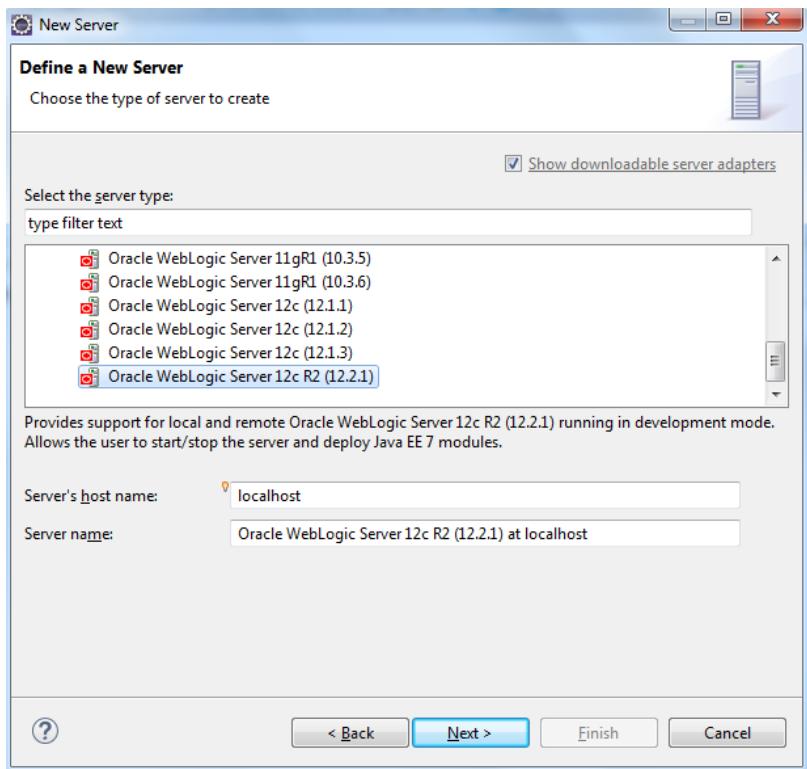
Go to **File** click on **New** click on **Other**



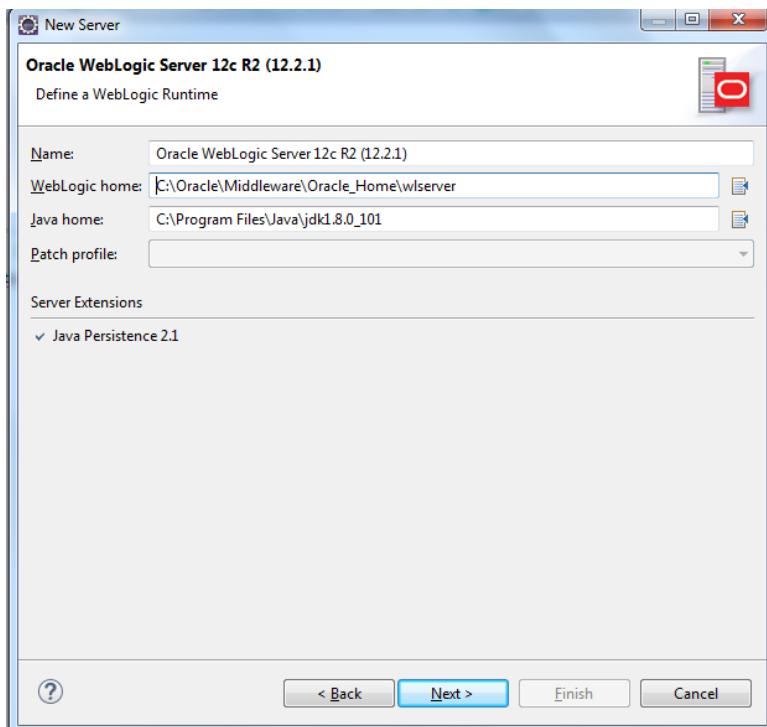
Go to **Server** , select **Server** and click on **Next**



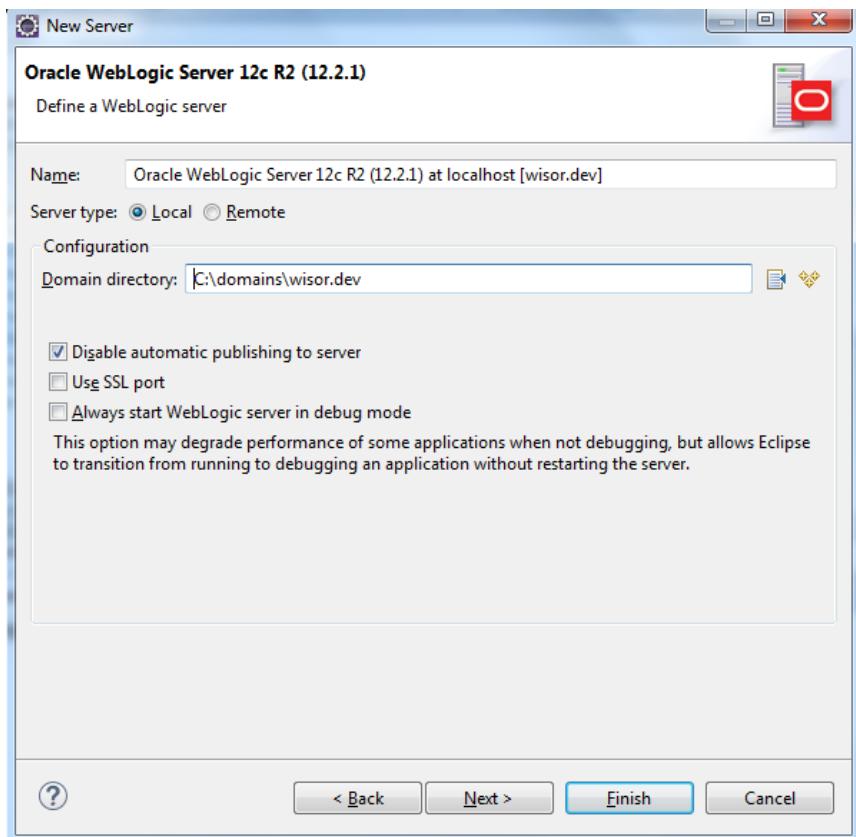
Go to **Oracle**, select **Oracle WebLogic Server 12c R2 (12.2.1)** and click on **Next**



Add **Weblogic home** and **Java home** and click on **Next**

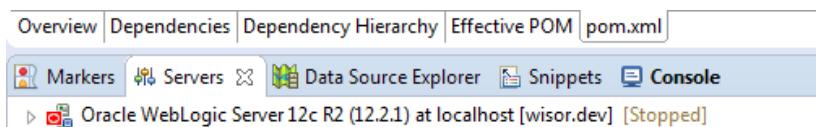


Add **Domain directory**

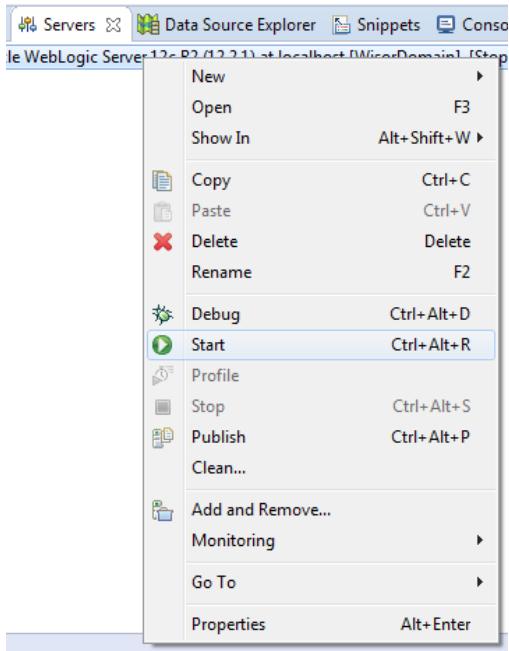


Click on **Next**, **Next** and **Finish**.

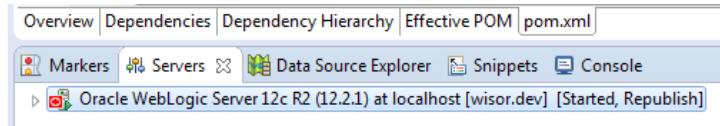
You can see the Weblogic server has been added to the **Servers** tab.



Right click on Weblogic server and click on **Start**

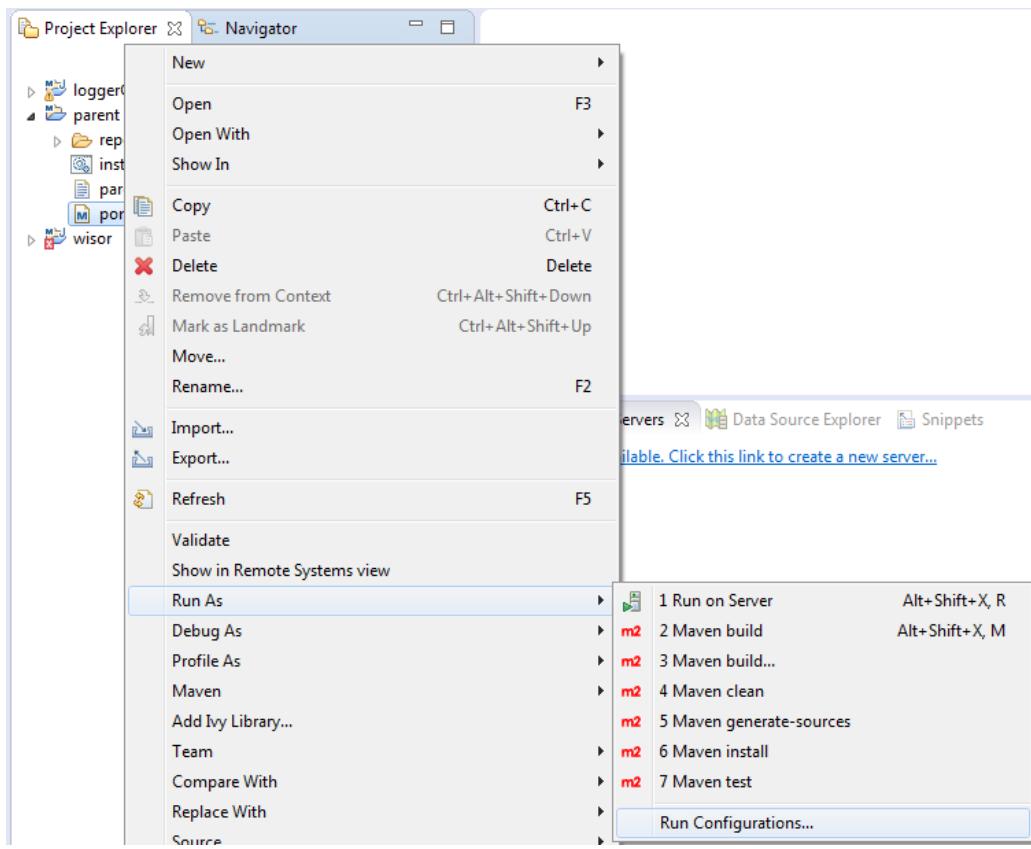


Server should be started as shown below.

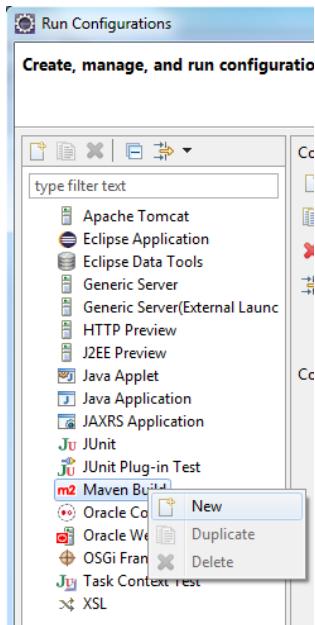


Add Run Configurations

In the Workspace, Go to **parent** and right click on **pom.xml**, go to **Run As** and click on **Run Configurations**



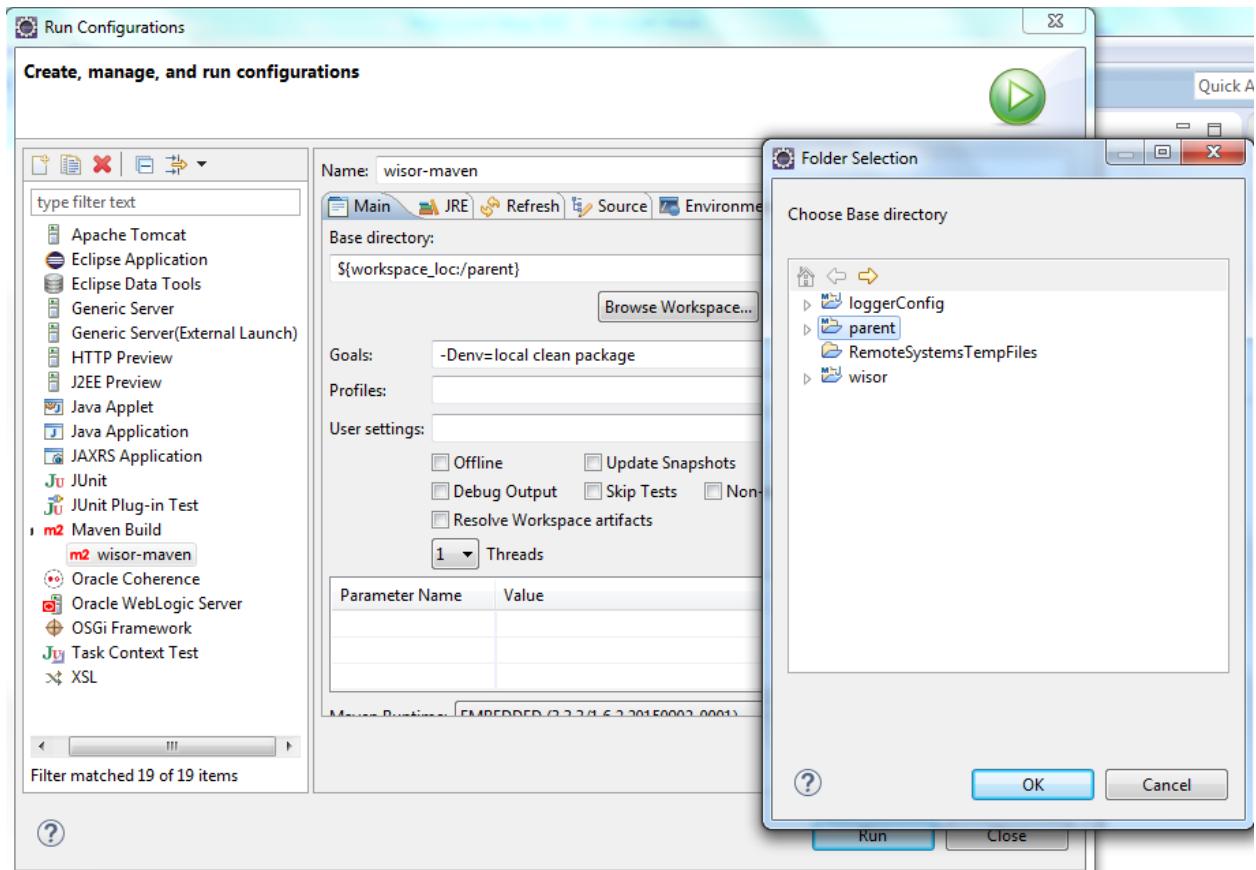
Right click on Maven Build and click on New



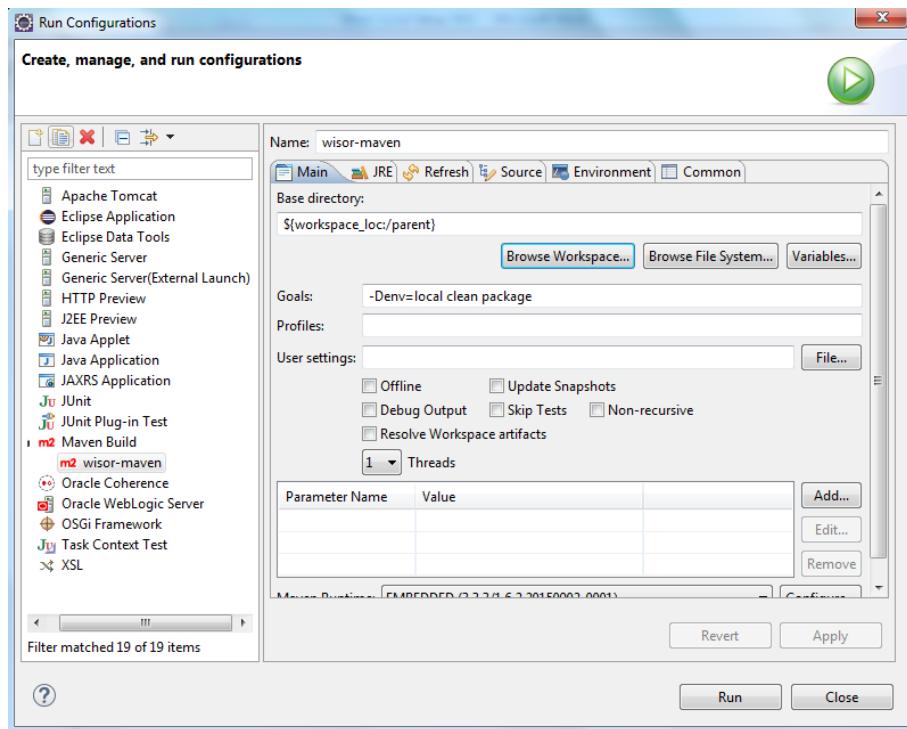
Name : wisor-maven

Goals : -Denv=local clean package

Click on **Browse Workspace** and select the source folder **WISOR-MAVEN**

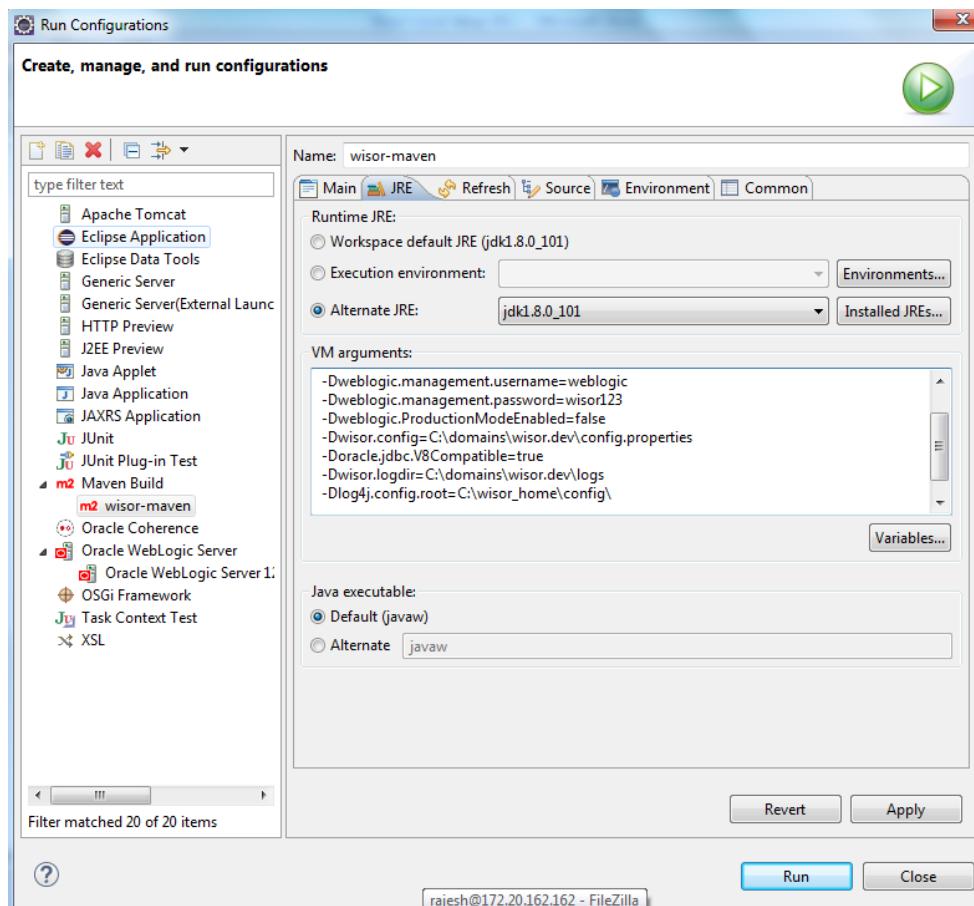


Click on OK



Open **JRE** tab and add below properties in VM arguments.

```
-Dlog4j.debug=false
-Dweblogic.webservice.client.ssl.strictcertchecking=false
-Dweblogic.management.username=weblogic
-Dweblogic.management.password=wisor123
-Dweblogic.ProductionModeEnabled=false
-Dwisor.config=C:\domains\wisor.dev\config.properties
-Doracle.jdbc.V8Compatible=true
-Dwisor.logdir=C:\domains\wisor.dev\logs
-Dlog4j.config.root=C:\wisor_home\config\
-Ddefault.log4j.configuration=defaultlog4j.properties
```



Click on **Apply** and click on **Run**

Private library installs to Maven (one time activity)

Open cmd and run below commands.

C:\Users\rajesh.kamparaju\.m2\repository is the local maven repository. Modify it as per your folder structure.

C:\Users\rajesh.kamparaju\Desktop\temp\Wisor_WorkSpace\WISOR-MAVEN is wisor workspace location. Modify it as per your folder structure.

- 1) mvn deploy:deploy-file -Durl=file:///C:/Users/rajesh.kamparaju/.m2/repository/-Dfile=C:/Users/rajesh.kamparaju/Desktop/temp/Wisor_WorkSpace/WISOR-MAVEN/parent/parent/repository_local/org/apache/log4j/1.2.15/log4j-1.2.15.jar -DgroupId=org.apache -DartifactId=log4j -Dversion=1.2.15 -Dpackaging=jar

```

C:\Windows\system32\cmd.exe
Microsoft Windows [Version 6.1.7601]
Copyright (c) 2009 Microsoft Corporation. All rights reserved.

C:\Users\rajesh.kamparaju>mvn deploy:deploy-file -Durl=file://C:\Users\rajesh.kamparaju\.m2\repository\ -Dfile=C:\Users\rajesh.kamparaju\Desktop\temp\Wisor_WorkSpace\WISOR-MAVEN\parent\parent\repository_local\org\apache\struts-core\1.3.8\struts-core-1.3.8.jar -DgroupId=org.apache -DartifactId=struts-core -Dversion=1.3.8 -Dpackaging=jar

[INFO] Scanning for projects...
[INFO] Building Maven Stub Project (No POM) 1
[INFO] 
[INFO] --- maven-deploy-plugin:2.7:deploy-file (default-cli) @ standalone-pom ---
Uploading: file://C:/Users/rajesh.kamparaju/.m2/repository/org/apache/log4j/1.2.15/log4j-1.2.15.jar
Uploaded: file://C:/Users/rajesh.kamparaju/.m2/repository/org/apache/log4j/1.2.15/log4j-1.2.15.jar (383 KB at 1314.9 KB/sec)
Uploading: file://C:/Users/rajesh.kamparaju/.m2/repository/org/apache/log4j/1.2.15/log4j-1.2.15.pom
Uploaded: file://C:/Users/rajesh.kamparaju/.m2/repository/org/apache/log4j/1.2.15/log4j-1.2.15.pom (389 B at 10.9 KB/sec)
Downloading: file://C:/Users/rajesh.kamparaju/.m2/repository/org/apache/log4j/maven-metadata.xml
Uploading: file://C:/Users/rajesh.kamparaju/.m2/repository/org/apache/log4j/maven-metadata.xml
Uploaded: file://C:/Users/rajesh.kamparaju/.m2/repository/org/apache/log4j/maven-metadata.xml (297 B at 8.3 KB/sec)
[INFO] 
[INFO] BUILD SUCCESS
[INFO] 
[INFO] Total time: 3.537 s
[INFO] Finished at: 2017-12-15T16:27:06+05:30
[INFO] Final Memory: 7M/123M
[INFO]

C:\Users\rajesh.kamparaju>

```

Run the below commands same as above

- 2) mvn deploy:deploy-file -Durl=file://C:\Users\rajesh.kamparaju\.m2\repository\ -Dfile=C:\Users\rajesh.kamparaju\Desktop\temp\Wisor_WorkSpace\WISOR-MAVEN\parent\parent\repository_local\org\apache\struts-core\1.3.8\struts-core-1.3.8.jar -DgroupId=org.apache -DartifactId=struts-core -Dversion=1.3.8 -Dpackaging=jar
- 3) mvn deploy:deploy-file -Durl=file://C:\Users\rajesh.kamparaju\.m2\repository\ -Dfile=C:\Users\rajesh.kamparaju\Desktop\temp\Wisor_WorkSpace\WISOR-MAVEN\parent\parent\repository_local\com\lowagie\itext\1.55\itext-1.55.jar -DgroupId=com.lowagie -DartifactId=itext -Dversion=1.55 -Dpackaging=jar
- 4) mvn deploy:deploy-file -Durl=file://C:\Users\rajesh.kamparaju\.m2\repository\ -Dfile=C:\Users\rajesh.kamparaju\Desktop\temp\Wisor_WorkSpace\WISOR-MAVEN\parent\parent\repository_local\org\apache\struts-taglib\1.3.8\struts-taglib-1.3.8.jar -DgroupId=org.apache -DartifactId=struts-taglib -Dversion=1.3.8 -Dpackaging=jar
- 5) mvn deploy:deploy-file -Durl=file://C:\Users\rajesh.kamparaju\.m2\repository\ -Dfile=C:\Users\rajesh.kamparaju\Desktop\temp\Wisor_WorkSpace\WISOR-MAVEN\parent\parent\repository_local\org\apache\oro\2.0.8\oro-2.0.8.jar -DgroupId=org.apache -DartifactId=oro -Dversion=2.0.8 -Dpackaging=jar
- 6) mvn deploy:deploy-file -Durl=file://C:\Users\rajesh.kamparaju\.m2\repository\ -Dfile=C:\Users\rajesh.kamparaju\Desktop\temp\Wisor_WorkSpace\WISOR-MAVEN\parent\parent\repository_local\org\apache\xerces\2.8.1\xerces-2.8.1.jar -DgroupId=org.apache -DartifactId=xerces -Dversion=2.8.1 -Dpackaging=jar
- 7) mvn deploy:deploy-file -Durl=file://C:\Users\rajesh.kamparaju\.m2\repository\ -Dfile=C:\Users\rajesh.kamparaju\Desktop\temp\Wisor_WorkSpace\WISOR-MAVEN\parent\parent\repository_local\com\enterprisedt\edtFTPj-pro\4.6.2\edtFTPj-pro-4.6.2.jar -DgroupId=com.enterprisedt -DartifactId=edtFTPj-pro -Dversion=4.6.2 -Dpackaging=jar
- 8) mvn deploy:deploy-file -Durl=file://C:\Users\rajesh.kamparaju\.m2\repository\ -Dfile=C:\Users\rajesh.kamparaju\Desktop\temp\Wisor_WorkSpace\WISOR-MAVEN\parent\parent\repository_local\org\apache\jakarta-regexp\1.5\jakarta-regexp-1.5.jar -DgroupId=org.apache -DartifactId=jakarta-regexp -Dversion=1.5 -Dpackaging=jar

```

9) mvn deploy:deploy-file -Durl=file://C:\Users\rajesh.kamparaju\.m2\repository\ -  

Dfile=C:\Users\rajesh.kamparaju\Desktop\temp\Wisor_WorkSpace\WISOR-  

MAVEN\parent\parent\repository_local\com\bch\coreservicesWS-client\1.0\coreservicesWS-client-  

1.0.jar -DgroupId=com.bch -DartifactId=coreservicesWS-client -Dversion=1.0 -Dpackaging=jar

10) mvn deploy:deploy-file -Durl=file://C:\Users\rajesh.kamparaju\.m2\repository\ -  

Dfile=C:\Users\rajesh.kamparaju\Desktop\temp\Wisor_WorkSpace\WISOR-  

MAVEN\parent\parent\repository_local\com\oracle\webserviceclient\1.0\webserviceclient-1.0.jar -  

DgroupId=com.oracle -DartifactId=webserviceclient -Dversion=1.0 -Dpackaging=jar

11) mvn deploy:deploy-file -Durl=file://C:\Users\rajesh.kamparaju\.m2\repository\ -  

Dfile=C:\Users\rajesh.kamparaju\Desktop\temp\Wisor_WorkSpace\WISOR-  

MAVEN\parent\parent\repository_local\com\oracle\commonj\1.0\commonj-1.0.jar -  

DgroupId=com.oracle -DartifactId/commonj -Dversion=1.0 -Dpackaging=jar

```

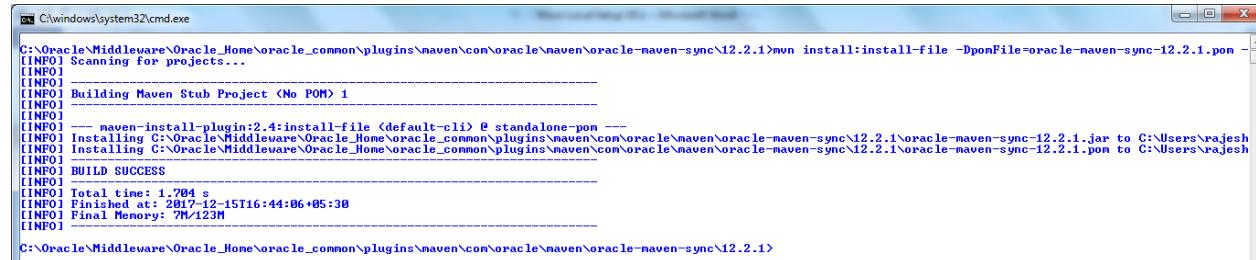
Installation of Weblogic Maven Sync plugin (one time activity)

Open command prompt and go to the path:

C:\Oracle\Middleware\Oracle_Home\oracle_common\plugins\maven\com\oracle\maven\oracle-maven-sync\12.2.1

Run below command

```
mvn install:install-file -DpomFile=oracle-maven-sync-12.2.1.pom -Dfile=oracle-maven-sync-12.2.1.jar
```



```

C:\Windows\system32\cmd.exe
C:\Oracle\Middleware\Oracle_Home\oracle_common\plugins\maven\com\oracle\maven\oracle-maven-sync\12.2.1>mvn install:install-file -DpomFile=oracle-maven-sync-12.2.1.pom -Dfile=oracle-maven-sync-12.2.1.jar
[INFO] Scanning for projects...
[INFO]
[INFO] Building Maven Stub Project <No POM> 1
[INFO]
[INFO] --- maven-install-plugin:2.4:install-file (default-cli) @ standalone-pom ---
[INFO] Installing C:\Oracle\Middleware\Oracle_Home\oracle_common\plugins\maven\com\oracle\maven\oracle-maven-sync\12.2.1\oracle-maven-sync-12.2.1.jar to C:\Users\rajesh\Downloads\oracle-maven-sync-12.2.1.jar
[INFO] Installing C:\Oracle\Middleware\Oracle_Home\oracle_common\plugins\maven\com\oracle\maven\oracle-maven-sync\12.2.1\oracle-maven-sync-12.2.1.pom to C:\Users\rajesh\Downloads\oracle-maven-sync-12.2.1.pom
[INFO] BUILD SUCCESS
[INFO]
[INFO] Total time: 1.794 s
[INFO] Finished at: 2017-12-15T16:44:06+05:30
[INFO] Final Memory: 7M/123M
[INFO]

C:\Oracle\Middleware\Oracle_Home\oracle_common\plugins\maven\com\oracle\maven\oracle-maven-sync\12.2.1>

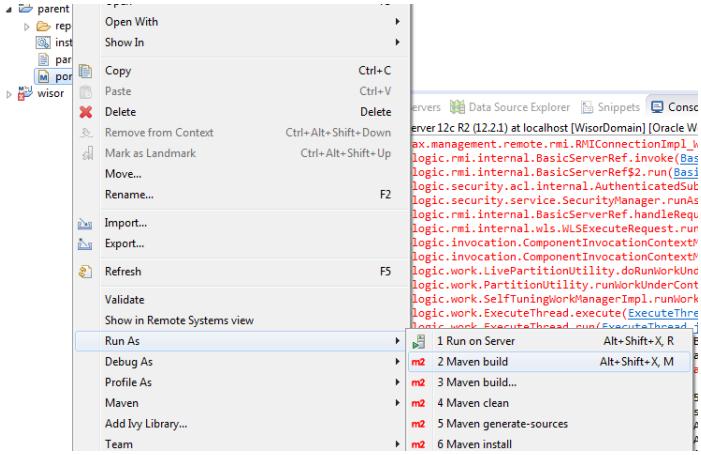
```

push the WLS dependencies to local repository using below command

```
mvn com.oracle.maven:oracle-maven-sync:push -DoracleHome=c:\oracle\middleware\oracle_home\
```

Build and Deploy Wisor Application

From Next time onwards to build and deploy the wisor application, directly go to **parent** and right click on **pom.xml**; go to **Run As** and click on **2 Maven build**



We can see the successful deployment message on the Eclipse console and we can verify the wisor.war is successfully deployed on the Weblogic Server.

Access the URL <http://localhost:7001/console> it will show as below.

User name: weblogic

Password: wisor123

| Name | State | Health | Type | Targets | Scope | Domain Partitions | Deployment Order |
|-------|--------|--------|-----------------|-------------|--------|-------------------|------------------|
| wisor | Active | OK | Web Application | AdminServer | Global | | 100 |

Access Wisor Application

Access the URL: <http://localhost:7001/wisor/> it should display as below.

Wisor Test Login Page

WISOR

Username:

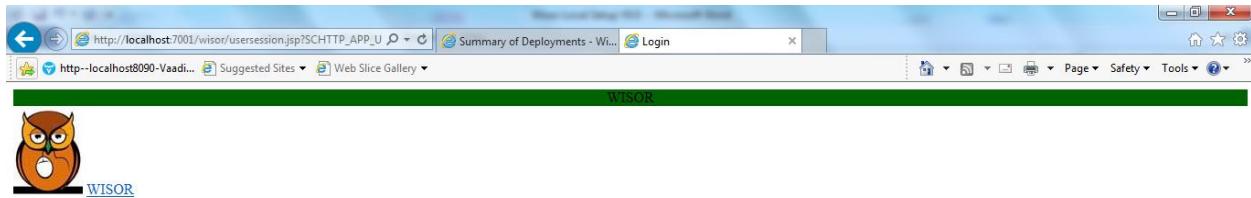
Locale:

Role:

Organization:

Sales Code:

Click on **Login** button, it will redirect us to the below page



Click on WISOR, it will open a new window as below

MAIN

ASR ORD ACT ICSC STATUS ASR VER

ACNA CC SERVICE SUPP-ADD PON

ECCKT

FIND

PON ICSC ACNA CCNA CC CUS

SERVICE SERVICE OPTIONS

LTP TSC ORDER TYPE ACT SUP

CONFIRMATION REQUIRED PROVISIONING REQUIRED

ASR REMARKS

CLOSE

Release: R1603

- MAIN
- BILLING
- ORDER
- LOCATION
- CIRCUIT
- CONTACT
- TRANSLATION
- CONFIRMATION
- SOWA
- SELECTIONS
- NOTES
- ERRORS
- AUDIT
- ENTIRE ASR VIEW

PRINT HELP CLEAR LAST SAVE S/NEXT GO

Click on Last button, it will populate the data.

http://localhost:7001 - WISOR - MAIN - Internet Explorer



DEV CSG VIEW

- ASR
- SOWA
- CSR

PROVISIONING TABLES REPORTS USER PREFS

FRANÇAIS



CLOSE

| ASR | ORD | MAIN | ASR VER | | |
|---|----------------------|----------------------------------|--------------|-----|-----|
| 0202400002 | NFN0240001432 | ACT PQ01 STATUS SONA Generated ✓ | 23 | | |
| ACNA CC SERVICE | | SUPP-ADD PON | | | |
| UCN | FGD TANDEM/ACTIVE-MF | N | SCRIPT10.011 | | |
| ECCKT | | | | | |
| 1/DFN-TD/MTRLPQ01CMD/MM/MTRLPQ0106T | | | | | |
| FIND | | | | | |
| PON | | ICSC | ACNA | CC | CUS |
| SCRIPT10.011 | | PQ01 | UCN | UCN | 222 |
| SERVICE | | SERVICE OPTIONS | | | |
| FGD TANDEM | | ACTIVE-MF | | | |
| LTP | TSC | ORDER TYPE | ACT | SUP | |
| MF | PQ111111 | N | N | N | |
| <input type="checkbox"/> CONFIRMATION REQUIRED <input type="checkbox"/> PROVISIONING REQUIRED | | | | | |
| ASR REMARKS | | | | | |
| CORE SCRIPT FGD ORDER | | | | | |

PRINT HELP CLEAR LAST SAVE S/NEXT NEXT GO

Release:R1603

- MAIN
- BILLING
- ORDER
- LOCATION
- CIRCUIT
- CONTACT
- TRANSLATION
- CONFIRMATION
- SOWA
- SELECTIONS
- NOTES
- ERRORS
- AUDIT
- ENTIRE ASR VIEW

Click on SOWA on the left panel it will redirect to the SOWA screen which was modified during Wisor Modernization Phase1 using Vaadin.

http://localhost:7001 - WISOR - SOWA - Internet Explorer

| ASR | ORD | SOWA | SUPP# | STATUS |
|----------------------|---------------|------|-------|--------------|
| 0202400002 | NFN0240001431 | | ACT | EDITED CD |
| SERVICE | | | N | |
| FGD TANDEM/ACTIVE-MF | | | | |

Release:R1603

CSG VIEW

- ASR
- SOWA
- CSR

PROVISIONING TABLES REPORTS USER PREFS

FRANÇAIS





CLOSE

| | ACT | NAME/QTY | DATA/USOC |
|---|------|---------------|-----------|
| SOWA | | | |
| ---IDENT | | | |
|  | TN | USB S2B-0003 | |
|  | CUS | 222 | |
|  | APP | 2000-07-10 | |
|  | CD | 2000-07-10 | |
|  | ORD | NFN0240001431 | |
|  | CS | XDH1X | |
|  | SLS | 910Q906 | |
|  | ACNA | UCN | |
|  | CCNA | UCN | |
|  | LAT | 000 | |
|  | CRO | NFN0240001432 | |

PRINT CLEAR LAST SAVE HELP GO

SOWA
SOWA/CSR
CSR KEYS
SOWA AUDIT SEARCH
SOWA AUDIT DISPLAY
SOWA TEMPLATE LIST

100%