Report Server Installation and Configuration Guide
Oracle Banking Liquidity Management
Release 14.5.0.0.0
Part Number F41688-01
May 2021
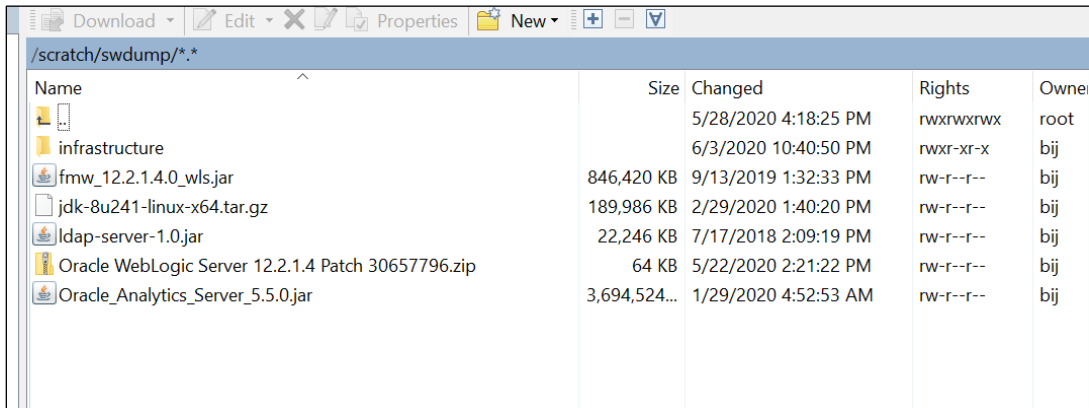
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FINANCIAL SERVICES

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1. STEPS TO INSTALL JDK

1. Copy the jdk-8u241-linux-x64.tar.gz to /scratch/swdump folder

Name	Size	Changed	Rights	Owner
↵ ..		5/28/2020 4:18:25 PM	rwxrwxrwx	root
infrastructure		6/3/2020 10:40:50 PM	rwxr-xr-x	bij
fmw_12.2.1.4.0_wls.jar	846,420 KB	9/13/2019 1:32:33 PM	rw-r--r--	bij
jdk-8u241-linux-x64.tar.gz	189,986 KB	2/29/2020 1:40:20 PM	rw-r--r--	bij
ldap-server-1.0.jar	22,246 KB	7/17/2018 2:09:19 PM	rw-r--r--	bij
Oracle WebLogic Server 12.2.1.4 Patch 30657796.zip	64 KB	5/22/2020 2:21:22 PM	rw-r--r--	bij
Oracle_Analytics_Server_5.5.0.jar	3,694,524...	1/29/2020 4:52:53 AM	rw-r--r--	bij

/scratch/swdump/*.*

2. Go to /scratch/swdump/ and run the below command

tar -xzvf jdk-8u241-linux-x64.tar.gz -C /scratch

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```
jdk1.8.0_241/jre/lib/deploy.jar
jdk1.8.0_241/jre/lib/fontconfig.RedHat.5.properties.src
jdk1.8.0_241/jre/lib/management/
jdk1.8.0_241/jre/lib/management/snmp.acl.template
jdk1.8.0_241/jre/lib/management/jmxremote.password.template
jdk1.8.0_241/jre/lib/management/management.properties
jdk1.8.0_241/jre/lib/management/jmxremote.access
jdk1.8.0_241/jre/lib/fontconfig.SuSE.10.properties.src
jdk1.8.0_241/jre/lib/jvm.hprof.txt
jdk1.8.0_241/jre/lib/fontconfig.Turbo.bfc
jdk1.8.0_241/jre/lib/cmm/
jdk1.8.0_241/jre/lib/cmm/GRAY.pf
jdk1.8.0_241/jre/lib/cmm/sRGB.pf
jdk1.8.0_241/jre/lib/cmm/LINEAR_RGB.pf
jdk1.8.0_241/jre/lib/cmm/PYCC.pf
jdk1.8.0_241/jre/lib/cmm/CIEXYZ.pf
jdk1.8.0_241/jre/lib/sound.properties
jdk1.8.0_241/jre/lib/classlist
jdk1.8.0_241/jre/lib/images/
jdk1.8.0_241/jre/lib/images/icons/
jdk1.8.0_241/jre/lib/images/icons/sun-java.png
jdk1.8.0_241/jre/lib/images/icons/sun-java_HighContrastInverse.png
jdk1.8.0_241/jre/lib/images/icons/sun-java_LowContrast.png
jdk1.8.0_241/jre/lib/images/icons/sun-java_HighContrast.png
jdk1.8.0_241/jre/lib/images/cursors/
jdk1.8.0_241/jre/lib/images/cursors/motif_CopyDrop32x32.gif
jdk1.8.0_241/jre/lib/images/cursors/motif_MoveNoDrop32x32.gif
jdk1.8.0_241/jre/lib/images/cursors/invalid32x32.gif
jdk1.8.0_241/jre/lib/images/cursors/cursors.properties
jdk1.8.0_241/jre/lib/images/cursors/motif_CopyNoDrop32x32.gif
jdk1.8.0_241/jre/lib/images/cursors/motif_MoveDrop32x32.gif
jdk1.8.0_241/jre/lib/images/cursors/motif_LinkDrop32x32.gif
jdk1.8.0_241/jre/lib/images/cursors/motif_LinkNoDrop32x32.gif
jdk1.8.0_241/jre/lib/flavormap.properties
jdk1.8.0_241/jre/lib/fontconfig.SuSE.11.properties.src
jdk1.8.0_241/jre/lib/jfr/
jdk1.8.0_241/jre/lib/jfr/profile.jfc
jdk1.8.0_241/jre/lib/jfr/default.jfc
jdk1.8.0_241/jre/lib/calendars.properties
jdk1.8.0_241/jre/lib/fontconfig.SuSE.11.bfc
jdk1.8.0_241/jre/lib/fontconfig.bfc
jdk1.8.0_241/jre/lib/jfxswt.jar
jdk1.8.0_241/jre/lib/applet/
jdk1.8.0_241/jre/lib/fontconfig.RedHat.6.properties.src
```

3. Check for /scratch/jdk1.8.0_241 folder

4. After installing the java, set the path as below
    - set JAVA_HOME:
        - setenv JAVA_HOME /scratch/jdk1.8.0_241
        - echo $JAVA_HOME
    - set PATH:
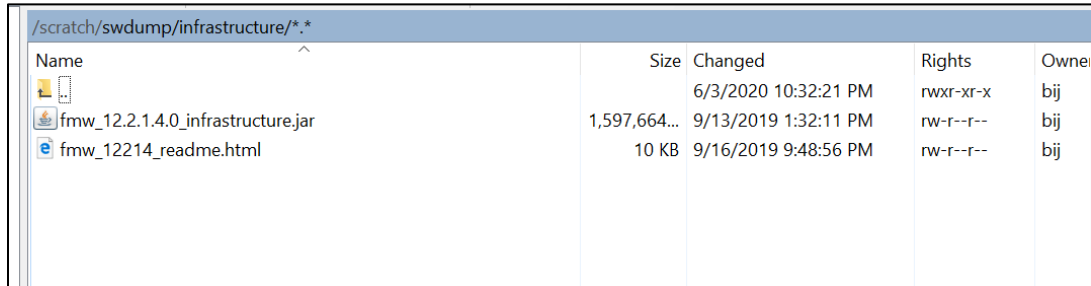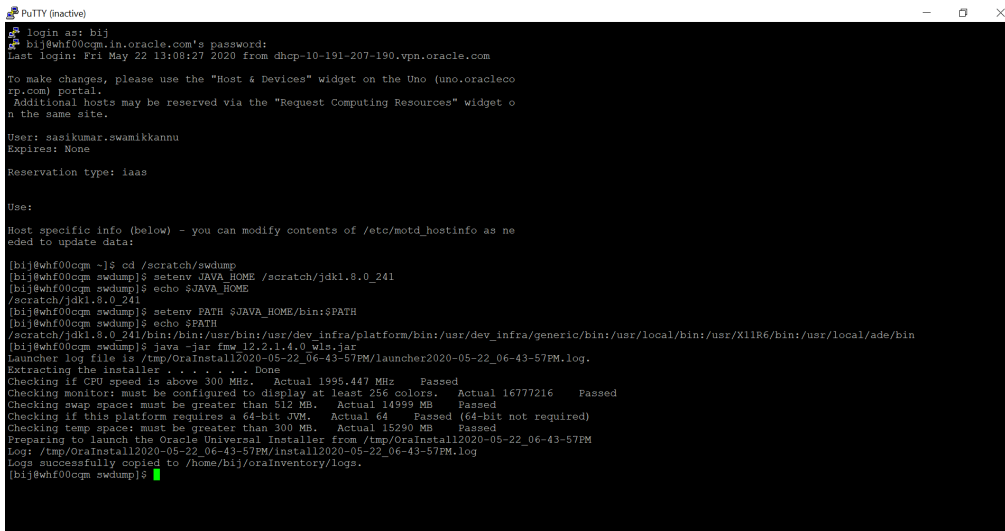   - setenv PATH $JAVA_HOME/bin:$PATH
        - echo $PATH

```
jdk1.8.0_241/include/linux/jawt_md.h
jdk1.8.0_241/include/jdwpTransport.h
jdk1.8.0_241/include/jvmti.h
jdk1.8.0_241/include/jvmticmlr.h
[bij@whf00cqm swdump]$ setenv JAVA_HOME /scratch/jdk1.8.0_241
[bij@whf00cqm swdump]$ echo $JAVA_HOME
/scratch/jdk1.8.0_241
[bij@whf00cqm swdump]$ setenv PATH $JAVA_HOME/bin:$PATH
[bij@whf00cqm swdump]$ echo $PATH
/scratch/jdk1.8.0_241/bin:/bin:/usr/bin:/usr/dev_infra/platform/bin:/usr/dev_infra/generic/bin:/usr/local/bin:/usr/X11R6/bin:/usr/local/ade/bin
```
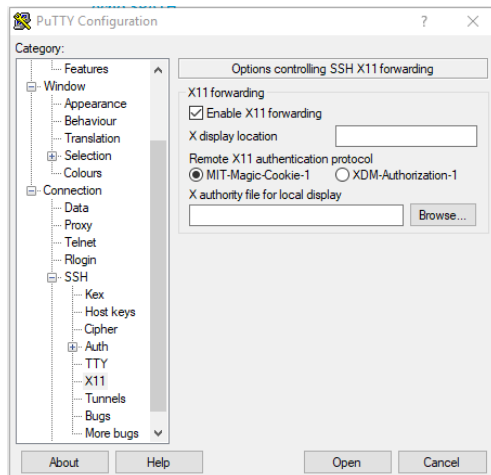
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2. STEPS TO INSTALL WEBLOGIC SERVER

WEBLOGIC SERVER INFRASTRUCTURE "fmw_12.2.1.4.0_infrastructure.jar"

1. Copy fmw_12.2.1.4.0_infrastructure.jar to /scratch/swdump/infrastructure

Name	Size	Changed	Rights	Owner
/scratch/swdump/infrastructure/*.*				
..		6/3/2020 10:32:21 PM	rwxr-xr-x	bij
fmw_12.2.1.4.0_infrastructure.jar	1,597,664...	9/13/2019 1:32:11 PM	rw-r--r--	bij
fmw_12214_readme.html	10 KB	9/16/2019 9:48:56 PM	rw-r--r--	bij

2. Go to /scratch/swdump
3. Set the java path as below

set JAVA_HOME:

   setenv JAVA_HOME /scratch/jdk1.8.0_241

   echo $JAVA_HOME

set PATH:

   setenv PATH $JAVA_HOME/bin:$PATH

   echo $PATH

```
login as: bij
bij@whf00cqm.in.oracle.com's password:
Last login: Fri May 22 13:08:27 2020 from dhcp-10-191-207-190.vpn.oracle.com

To make changes, please use the "Host & Devices" widget on the Uno (uno.oracleco
rp.com) portal.
Additional hosts may be reserved via the "Request Computing Resources" widget o
n the same site.

User: sasikumar.swamikkannu
Expires: None

Reservation type: iaas

Use:

Host specific info (below) - you can modify contents of /etc/motd_hostinfo as ne
eded to update data:

[bij@whf00cqm ~]$ cd /scratch/swdump
[bij@whf00cqm swdump]$ setenv JAVA_HOME /scratch/jdk1.8.0_241
[bij@whf00cqm swdump]$ echo $JAVA_HOME
/scratch/jdk1.8.0_241
[bij@whf00cqm swdump]$ setenv PATH $JAVA_HOME/bin:$PATH
[bij@whf00cqm swdump]$ echo $PATH
/scratch/jdk1.8.0_241/bin:/bin:/usr/bin:/usr/dev_infra/platform/bin:/usr/dev_infra/generic/bin:/usr/local/bin:/usr/X11R6/bin:/usr/local/ade/bin
[bij@whf00cqm swdump]$ java -jar fmw_12.2.1.4.0_wls.jar
Launcher log file is /tmp/OraInstall2020-05-22_06-43-57PM/launcher2020-05-22_06-43-57PM.log.
Extracting the installer . . . . . . Done
Checking if CPU speed is above 300 MHz.   Actual 1995.447 MHz    Passed
Checking monitor: must be configured to display at least 256 colors.   Actual 16777216    Passed
Checking swap space: must be greater than 512 MB.   Actual 14999 MB    Passed
Checking if this platform requires a 64-bit JVM.   Actual 64    Passed (64-bit not required)
Checking temp space: must be greater than 300 MB.   Actual 15290 MB    Passed
Preparing to launch the Oracle Universal Installer from /tmp/OraInstall2020-05-22_06-43-57PM
Log: /tmp/OraInstall2020-05-22_06-43-57PM/install2020-05-22_06-43-57PM.log
Logs successfully copied to /home/bij/oraInventory/logs.
[bij@whf00cqm swdump]$
```
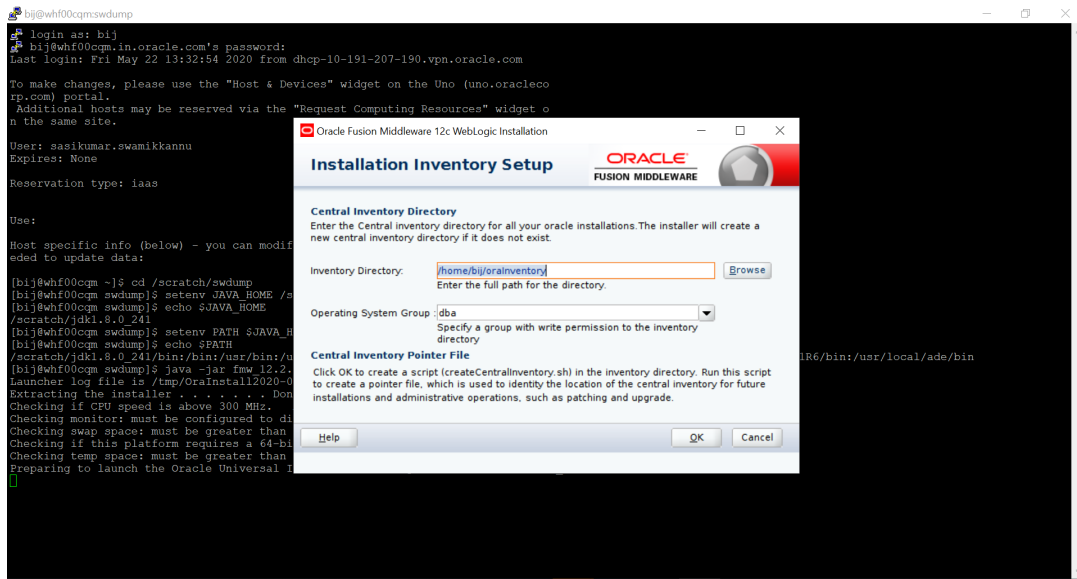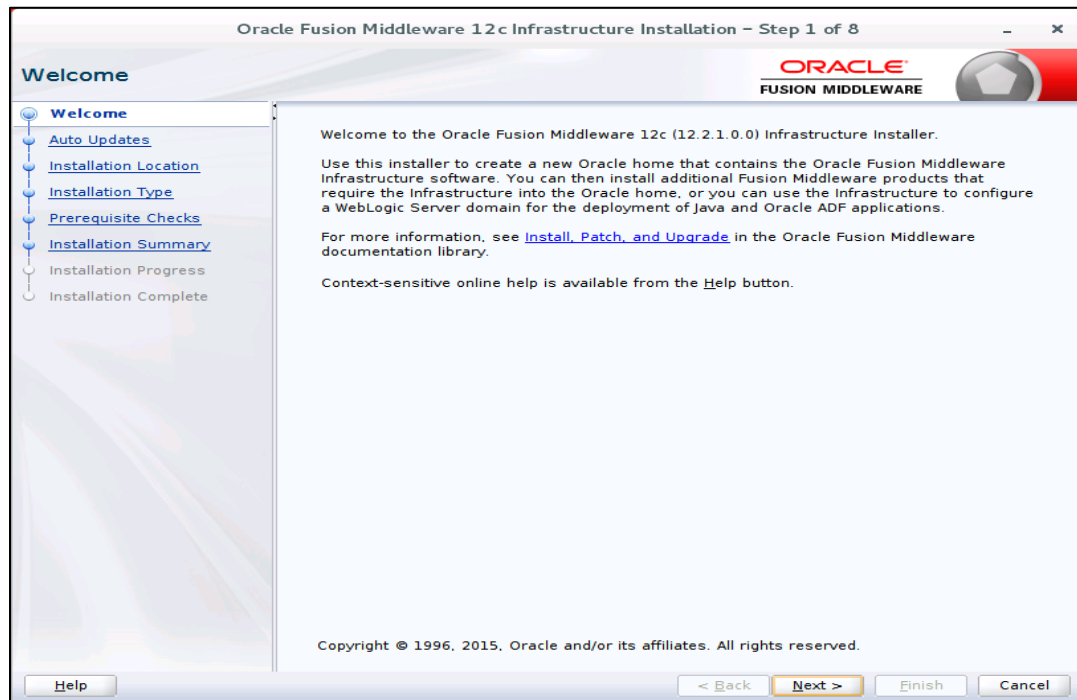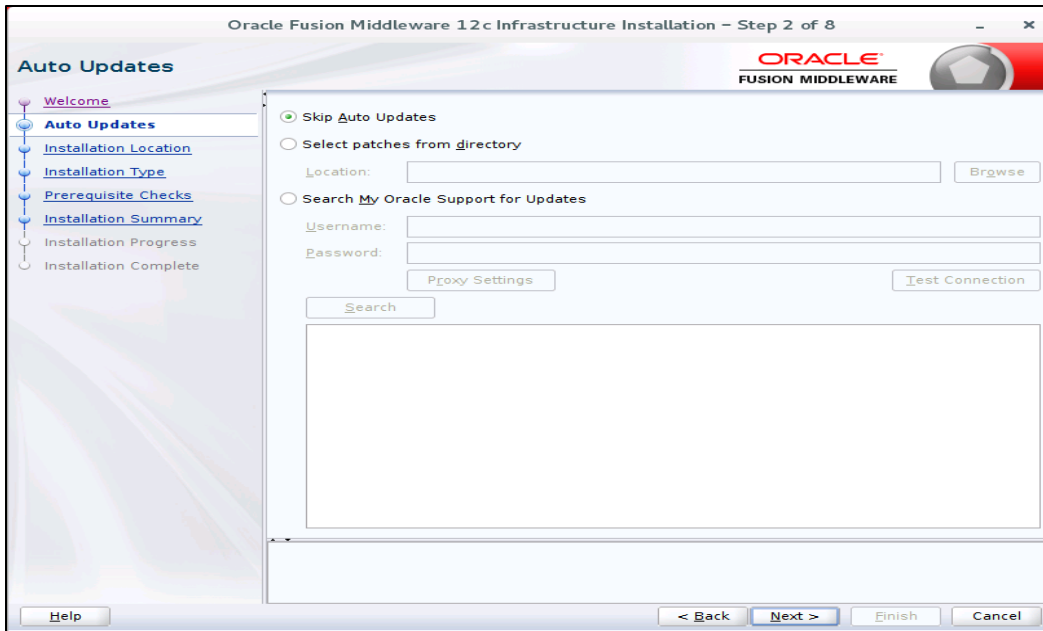
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4. Run Xming with x11 forwarding option
   - Download Xming
   - Start Xming by double-clicking on the Xming icon
   - Open the PuTTY session configuration window
   - Open the session category, specify a host name (whf00cqm.in.oracle.com)you want to connect to

   - In the PuTTY configuration window, select "Connection → SSH → X11→ Enable x11 forwarding
   - Make sure that the "**Enable X11 forwarding**" box is checked

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5. "Xming" should be active before run the command java -jar fmw_12.2.1.4.0_infrastructure.jar

6. Run the command java –jar fmw_12.2.1.4.0_infrastructure.jar

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7. After the installer extracts files, Xming will show the graphical Oracle Universal Installer starts.

8. On the Welcome screen of the installer, click **Next**.

9. On the Auto Updates screen, leave **Skip Auto Updates** selected.

10. On the Installation Location screen, enter the location for Oracle Home as below and click on NEXT.
    ORACLE_HOME ➔ /scratch/work_area/Oracle/Middleware/Oracle_Home

11. On the Installation Type screen, select **Fusion Middleware Infrastructure**, and then click **Next**.
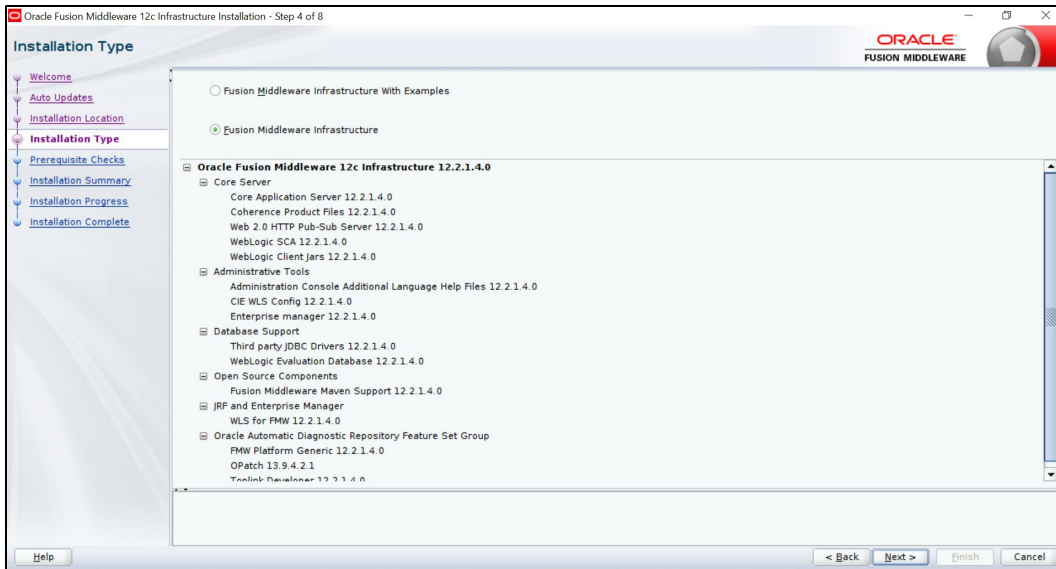
12. On the Prerequisite Checks screen, wait for all checks to complete successfully, and then click **Next**.

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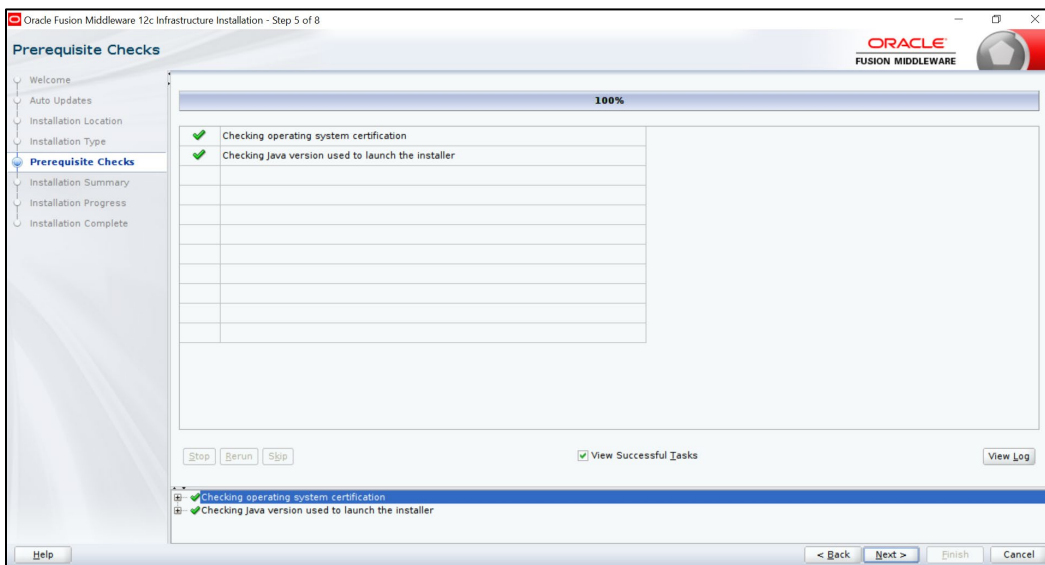
13. On the Installation Summary screen, review the installation information. If everything is acceptable, click **Install**.
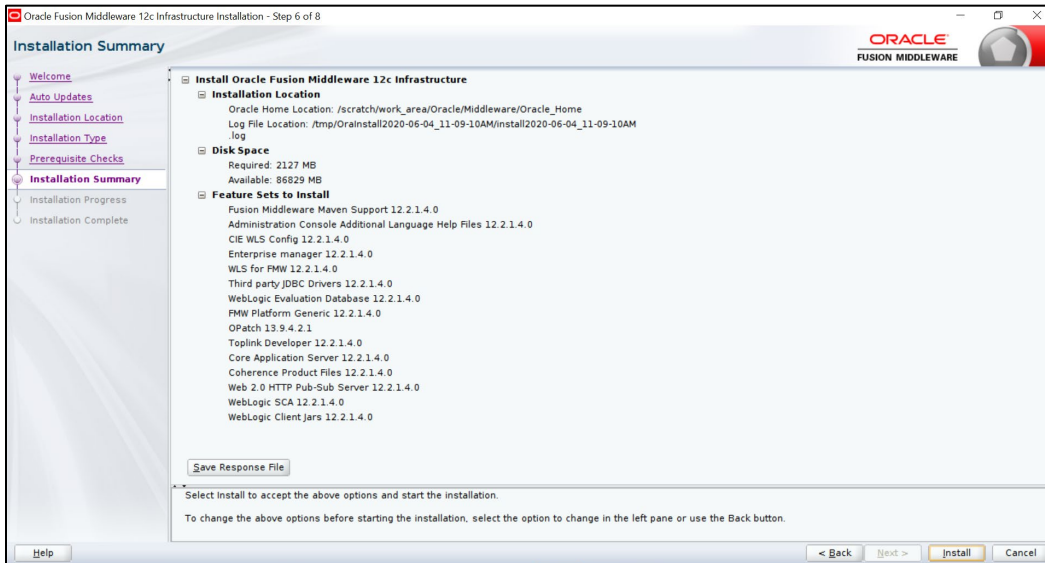
14. On the Installation Progress screen, wait for the progress bar to reach 100%, and then click **Next**.
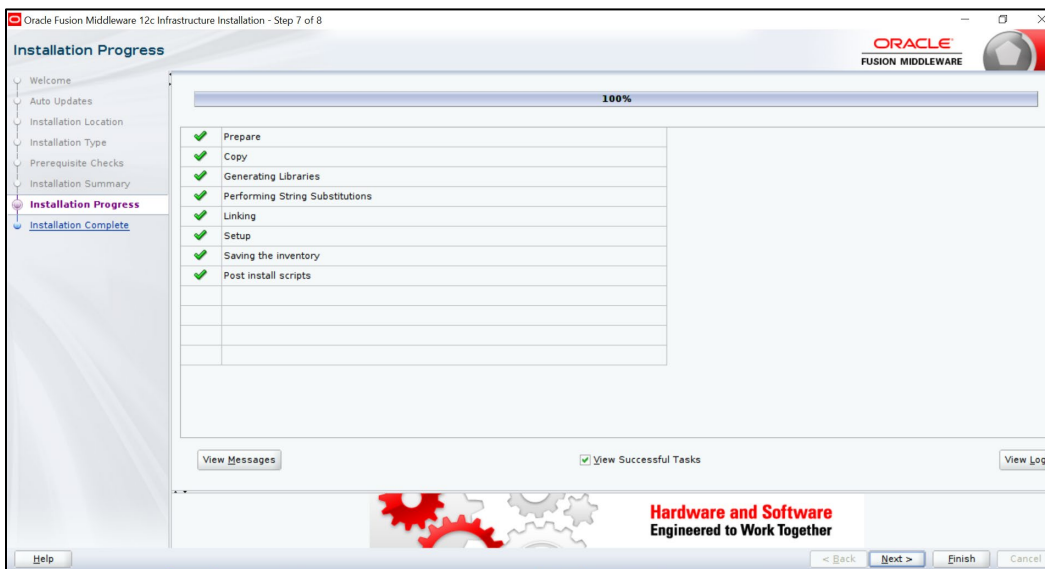
15. On the Installation Complete screen click **Finish**.
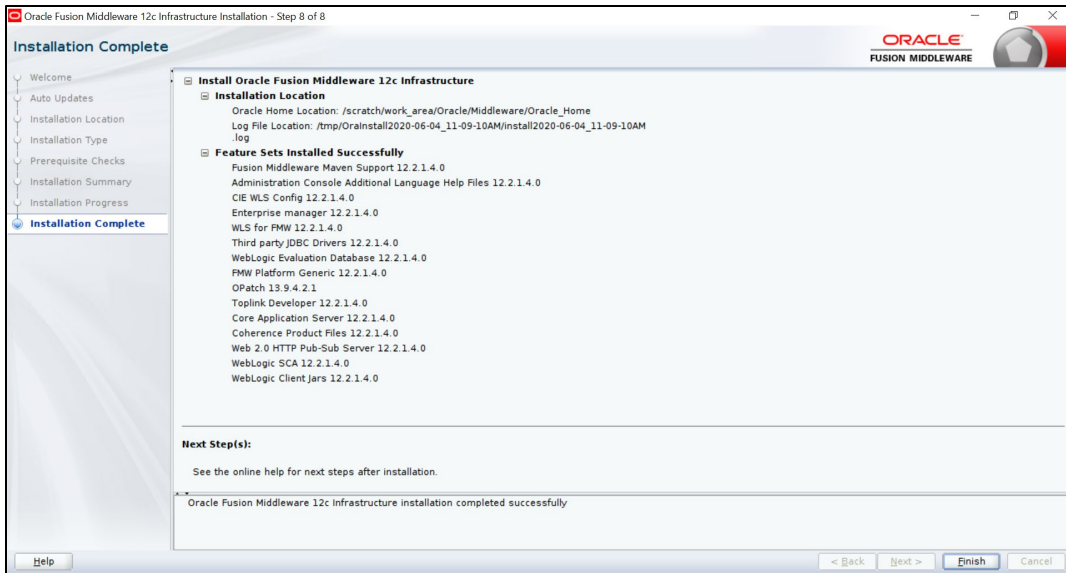
STEPS TO CREATING A WEBLOGIC DOMAIN:

1. Go to /scratch/work_area/Oracle/Middleware/Oracle_Home/oracle_common/common/bin/ and run the below command for domain setup

   $>cd/scratch/work_area/Oracle/Middleware/Oracle_Home/oracle_common/common/bin/

   $>./config.sh

   The Configuration Wizard opens.

2. On the Configuration Type page, provide the following information, and click **Next**:

- Select **Create a new domain**.

- Give the domain name and location
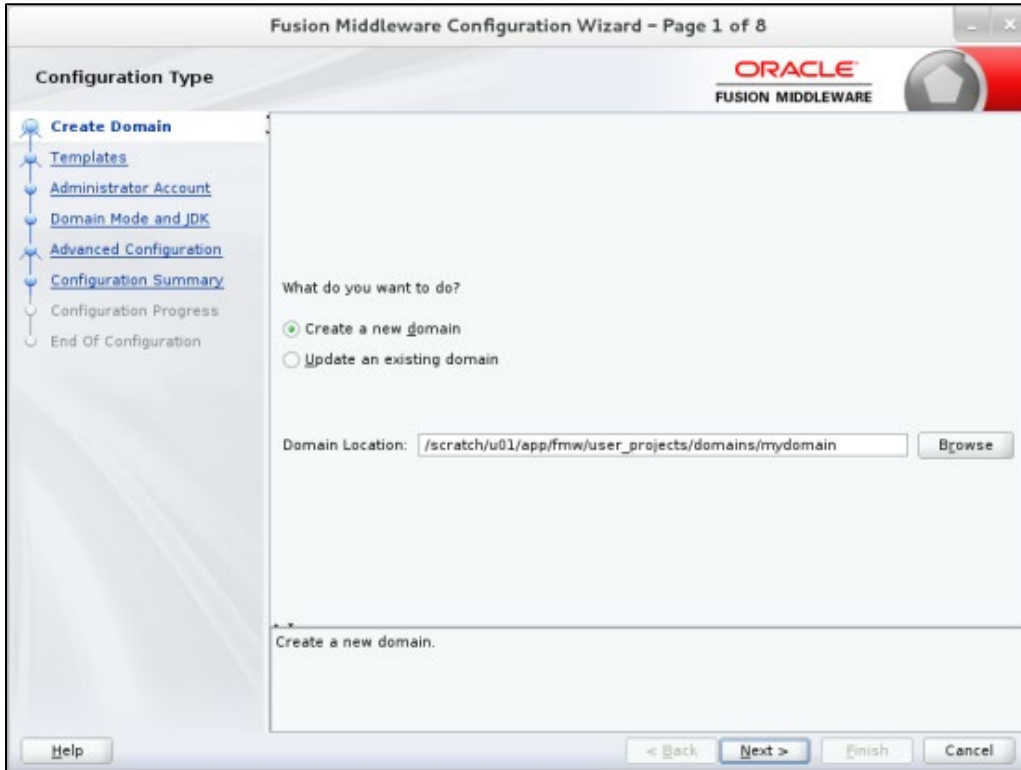
3. On the Templates page, select the below options, and click **Next**:

Select "Create Domain Using Product Templates"

All Templates: Selected for Template Categories

Under Available Templates select "Basic WebLogic Server Domain"
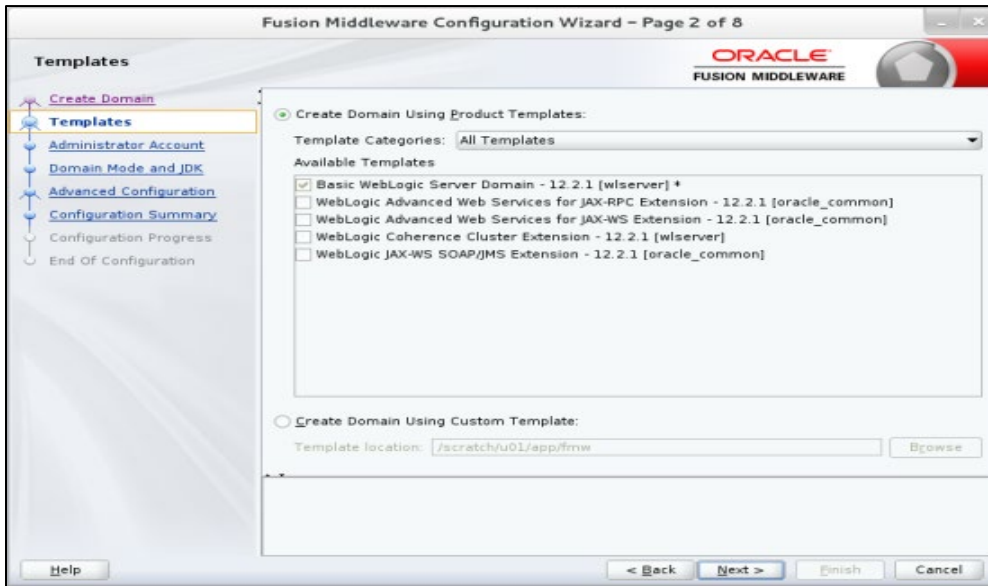
4. On the Administrator Account page, enter a name and a password, confirm the password, and then click **Next.**

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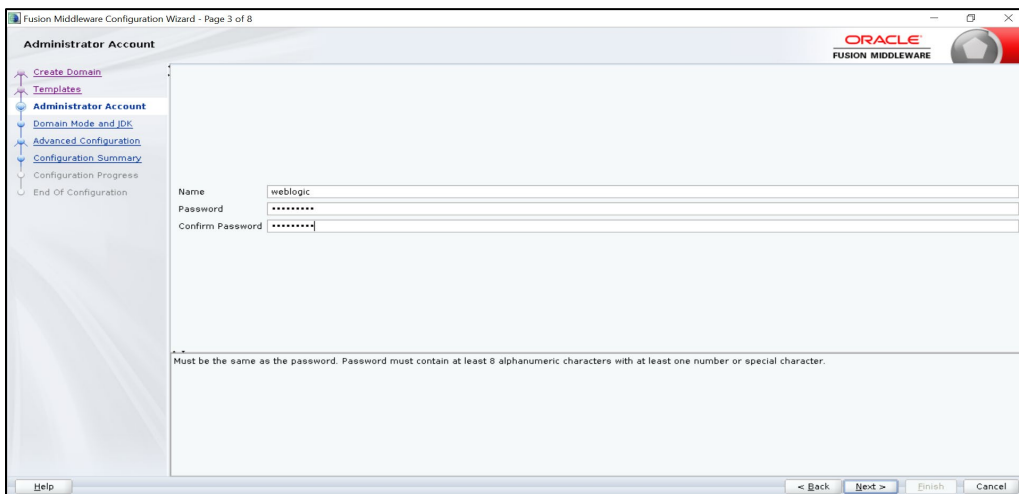
5. On the Domain Mode and JDK page, select Domain Mode: **Development** and then click **Next**.
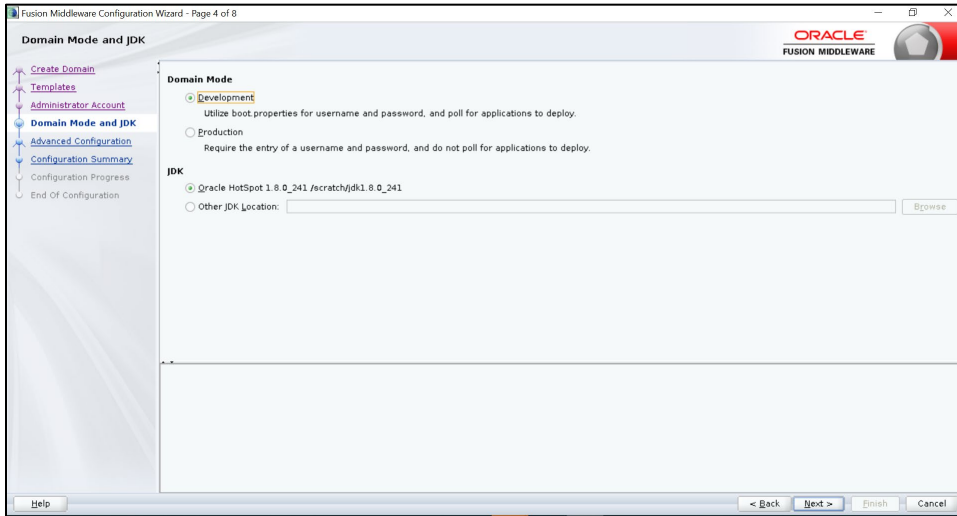
6. On the Advanced Configuration page, select "Administartion server", and click on **Next**

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7. On the Administration Server page, enter the following values, and click **Next**:

Server Name: AdminServer (which is the default value)

Listen Address: All Local Addresses

Listen Port: 7001

Enable SSL: Deselected
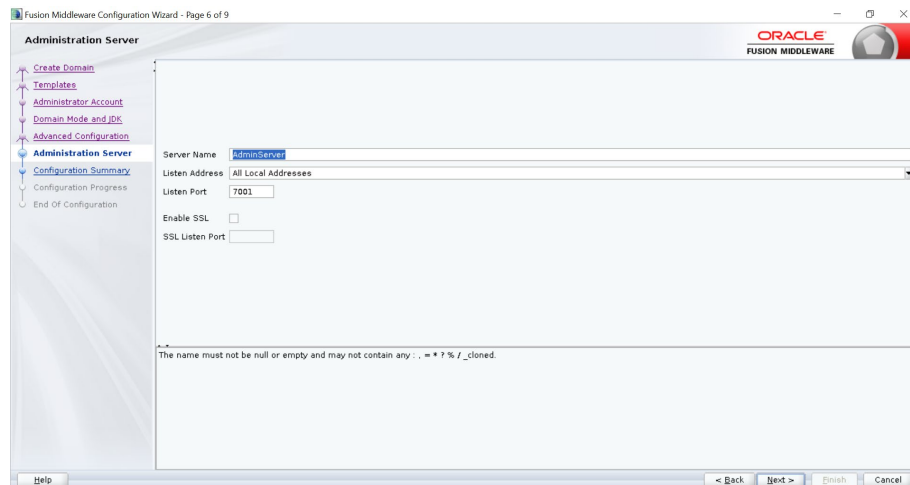
8. On the Configuration Summary page, click **Create**.

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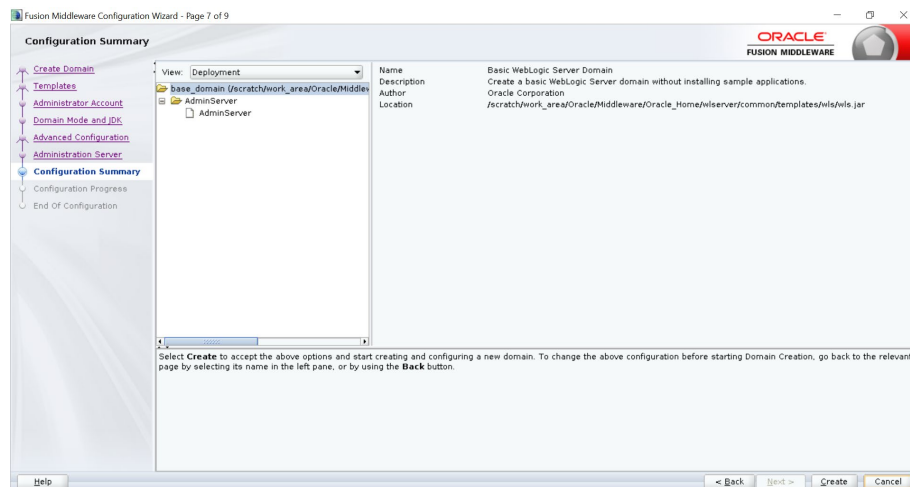
9. On the Configuration Progress page, click **Next** after the progress bar reaches 100%.
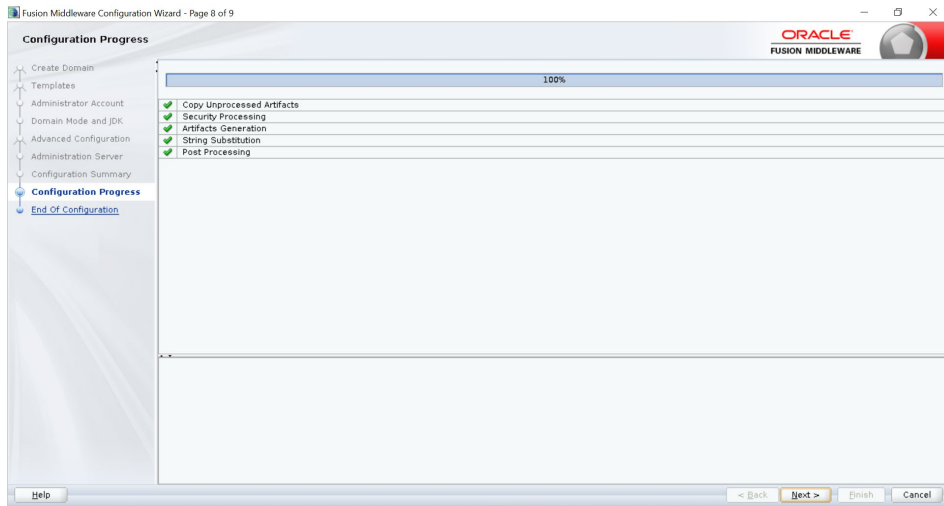
10. On the Configuration Success page, make note of the domain location and the URL of the administration console, and then click **Finish**.
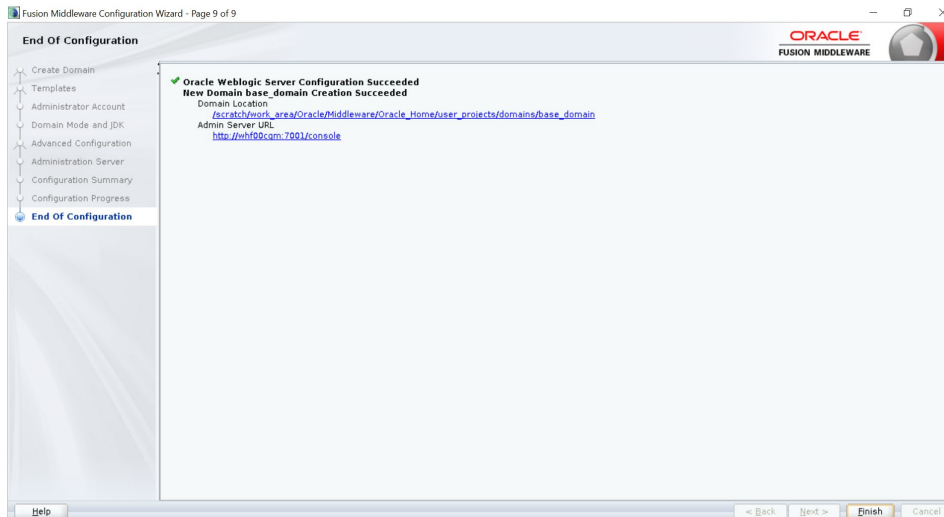
3. STEPS TO APPLY PATCH ON ORACLE WEBLOGIC SERVER

1. Download patch from Oracle Support portal **(**support.oracle.com**)**
   - Go to Patches & Updates tab
   - Select Product or Family (Advances)
   - Search for your patch using the Name of Bug / Number of Patch (or) you can search by product (e.g: "Oracle WebLogic server 12.2.1.4.0")
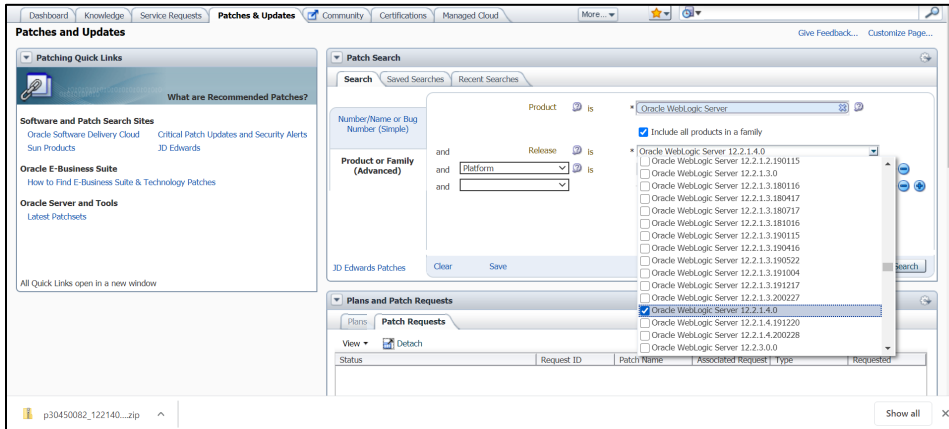
2. Select the patch and download the zip file.
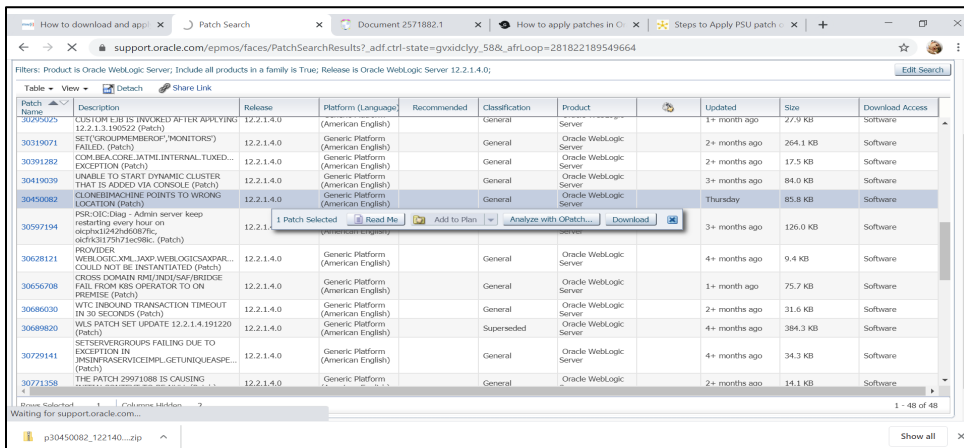
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3. **Copy** the downloaded zip file to any directory in your server (whf00cqm.in.oracle.com). Preferably create a new folder and unzip the files in there.
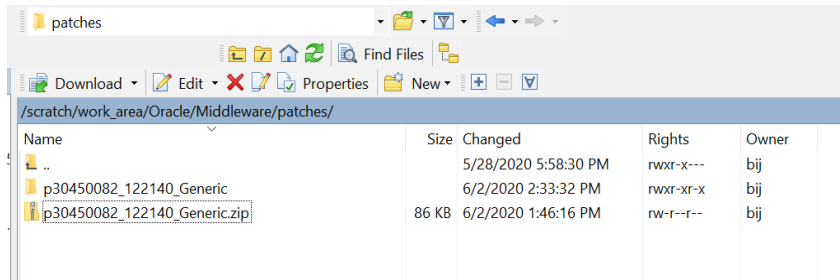
4. Go to the patch directory path and run the below command to unzip the patch.

$ cd /scratch/work_area/Oracle/Middleware/patches

$ unzip p30450082_122140_Generic.zip

Once you download the patch go to README.txt file to apply the patch.

5. Before applying the patch take backup of ORACLE_HOME.

6. Set the path of ORACLE_HOME and JAVA_HOME

setenv JAVA_HOME /scratch/work_area/Oracle/Middleware/Oracle_Home/jdk

setenv PATH $JAVA_HOME/bin:$PATH

setenv ORACLE_HOME /scratch/work_area/Oracle/Middleware/Oracle_Home

setenv PATH $ORACLE_HOME/OPatch:$PATH

```
Use:
Host specific info (below) - you can modify contents of /etc/motd_hostinfo as ne
eded to update data:

[bij@whf00cqm ~]$ setenv JAVA_HOME /scratch/work_area/Oracle/Middleware/Oracle_Home/jdk
[bij@whf00cqm ~]$ setenv PATH $JAVA_HOME/bin:$PATH
[bij@whf00cqm ~]$ setenv ORACLE_HOME /scratch/work_area/Oracle/Middleware/Oracle_Home
[bij@whf00cqm ~]$ setenv PATH $ORACLE_HOME/OPatch:$PATH
[bij@whf00cqm ~]$ echo $PATH
/scratch/work_area/Oracle/Middleware/Oracle_Home/OPatch:/scratch/work_area/Oracle/Middleware/Oracle_Home/jdk/bin:/bin:/usr/bin:/usr/dev_infra/platform/bin:/u
sr/dev_infra/generic/bin:/usr/local/bin:/usr/X11R6/bin:/usr/local/ade/bin
[bij@whf00cqm ~]$ cd /scratch/work_area/Oracle/Middleware/Oracle_Home/OPatch
[bij@whf00cqm OPatch]$ ./opatch version
OPatch Version: 13.9.4.2.2

OPatch succeeded.
[bij@whf00cqm OPatch]$ ./opatch version -jdk $ORACLE_HOME/jdk

OPatch Version: 13.9.4.2.2

OPatch succeeded.
```

7. Download the suitable version and install it using below command.

For weblogic 12.2.1.4.0 version install the below patch (6880880) and then check for opatch version.

p31101362_1394002_Generic.zip

To install the patch for your server, use the below command.

UNIX Only:

Java -jar <PATCH_HOME>/6880880/opatch_generic.jar -silent oracle_home=<ORACLE_HOME_LOCATION>

```
bij@whf00cqm:6880880
[bij@whf00cqm 6880880]$  java -jar <PATCH_HOME>/6880880/opatch_generic.jar -silent oracle_home=/scratch/work_area/Oracle/Middleware/Oracle_Home
PATCH_HOME: No such file or directory.
[bij@whf00cqm 6880880]$ java -jar /scratch/PATCH_HOME/6880880/opatch_generic.jar -silent oracle_home=/scratch/work_area/Oracle/Middleware/Oracle_Home
Launcher log file is /tmp/OraInstall2020-05-26_02-32-45PM/launcher2020-05-26_02-32-45PM.log.
Extracting the installer . . . . Done
Checking if CPU speed is above 300 MHz.   Actual 1995.447 MHz    Passed
Checking swap space: must be greater than 512 MB.   Actual 14999 MB    Passed
Checking if this platform requires a 64-bit JVM.   Actual 64   Passed (64-bit not required)
Checking temp space: must be greater than 300 MB.   Actual 15128 MB    Passed
Preparing to launch the Oracle Universal Installer from /tmp/OraInstall2020-05-26_02-32-45PM
Installation Summary

Disk Space : Required 35 MB, Available 87,406 MB
Feature Sets to Install:
        Next Generation Install Core 13.9.4.0.0
        OPatch 13.9.4.2.2
        OPatch Auto OPlan 13.9.4.2.2
        OPatch Auto FMW 13.9.4.2.2
Session log file is /tmp/OraInstall2020-05-26_02-32-45PM/install2020-05-26_02-32-45PM.log

Loading products list. Please wait.
  1%
 40%

Loading products. Please wait.
 42%
 43%
 44%
 45%
 46%
 49%
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 54%
 55%
 56%
 57%
 58%
 60%
 61%
 62%
```

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```
96%
97%
98%
99%

Updating Libraries


Starting Installations
 1%
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32%
33%
34%
```

```
88%

Install pending

Installation in progress
 Component : oracle.commons.cli.commons.cli 1.3.1.0.0
Copying files for oracle.commons.cli.commons.cli 1.3.1.0.0
 Component : oracle.nginst.common 13.9.4.0.0
Copying files for oracle.nginst.common 13.9.4.0.0
 Component : oracle.nginst.core 13.9.4.0.0
Copying files for oracle.nginst.core 13.9.4.0.0
 Component : oracle.nginst.thirdparty 13.9.4.0.0
Copying files for oracle.nginst.thirdparty 13.9.4.0.0
 Component : oracle.swd.opatch 13.9.4.2.2
Copying files for oracle.swd.opatch 13.9.4.2.2
 Component : oracle.glcm.osys.core 13.9.1.0.0
Copying files for oracle.glcm.osys.core 13.9.1.0.0
 Component : oracle.glcm.oplan.core 13.9.4.2.0
Copying files for oracle.glcm.oplan.core 13.9.4.2.0
Install successful
Post feature install pending
Post Feature installing
 Feature Set : glcm_common_logging_lib
Post Feature installing glcm_common_logging_lib
```

```
 Component : oracle.glcm.oplan.core 13.9.4.2.0
String substituting oracle.glcm.oplan.core 13.9.4.2.0
String substitutions complete
Link pending
Linking in progress
 Component : oracle.commons.cli.commons.cli 1.3.1.0.0
Linking oracle.commons.cli.commons.cli 1.3.1.0.0
 Component : oracle.nginst.common 13.9.4.0.0
Linking oracle.nginst.common 13.9.4.0.0
 Component : oracle.nginst.core 13.9.4.0.0
Linking oracle.nginst.core 13.9.4.0.0
 Component : oracle.nginst.thirdparty 13.9.4.0.0
Linking oracle.nginst.thirdparty 13.9.4.0.0
 Component : oracle.swd.opatch 13.9.4.2.2
Linking oracle.swd.opatch 13.9.4.2.2
 Component : oracle.glcm.osys.core 13.9.1.0.0
Linking oracle.glcm.osys.core 13.9.1.0.0
 Component : oracle.glcm.oplan.core 13.9.4.2.0
Linking oracle.glcm.oplan.core 13.9.4.2.0
Linking in progress
Link successful
Setup pending
```

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8. After installing the patch check the opatch version

   Run the below command from opatch folder to check the version

   **$ cd /scratch/work_area/Oracle/Middleware/Oracle_Home/OPatch**

   $ ./opatch version

```
[bij@whf00cqm ~]$ cd /scratch/work_area/Oracle/Middleware/Oracle_Home/OPatch
[bij@whf00cqm OPatch]$ ./opatch version
OPatch Version: 13.9.4.2.2

OPatch succeeded.
```

```
[bij@whf00cqm ~]$ cd /scratch/PATCH_HOME
[bij@whf00cqm PATCH_HOME]$ unzip p28186730_139422_Generic.zip
Archive:  p28186730_139422_Generic.zip
   creating: 6880880/
  inflating: 6880880/README.txt
  inflating: 6880880/opatch_generic.jar
  inflating: 6880880/version.txt
[bij@whf00cqm PATCH_HOME]$ cd 6880880
[bij@whf00cqm 6880880]$ ls -lrt
total 45692
-rw-r--r-- 1 bij dba       10 Jan 16 21:40 version.txt
-rw-r--r-- 1 bij dba 46772543 Jan 16 21:40 opatch_generic.jar
-rw-rw-r-- 1 bij dba     6441 Jan 24 11:51 README.txt
```

9. **To validate the installation:**

   cd <ORACLE_HOME>/OPatch

   ./opatch version => To check the installed version

   ./opatch lspatches =>   Prints a summary of all installed patches.

```
[bij@whf00cqm OPatch]$ $ORACLE_HOME/OPatch/opatch lspatches
There are no Interim patches installed in this Oracle Home "/scratch/work_area/Oracle/Middleware/Oracle_Home".

OPatch succeeded.
[bij@whf00cqm OPatch]$
```

   ./opatch lsinventory => To verify what patches have been applied to an Oracle home, or to find out additional information about the Oracle home

```
[bij@whf00cqm OPatch]$ ./opatch lsinventory
Oracle Interim Patch Installer version 13.9.4.2.2
Copyright (c) 2020, Oracle Corporation.  All rights reserved.


Oracle Home       : /scratch/work_area/Oracle/Middleware/Oracle_Home
Central Inventory : /home/bij/oraInventory
   from           : /scratch/work_area/Oracle/Middleware/Oracle_Home/oraInst.loc
OPatch version    : 13.9.4.2.2
OUI version       : 13.9.4.0.0
Log file location : /scratch/work_area/Oracle/Middleware/Oracle_Home/cfgtoollogs/opatch/opatch2020-06-02_16-45-28PM_1.log

OPatch detects the Middleware Home as "/scratch/work_area/Oracle/Middleware/Oracle_Home"

Lsinventory Output file location : /scratch/work_area/Oracle/Middleware/Oracle_Home/cfgtoollogs/opatch/lsinv/lsinventory2020-06-02_16-45-28PM.txt

--------------------------------------------------------------------------------
Local Machine Information::
Hostname: whf00cqm.in.oracle.com
ARU platform id: 226
ARU platform description:: Linux x86-64

Interim patches (1) :

Patch  30450082     : applied on Tue Jun 02 15:44:40 IST 2020
Unique Patch ID:  23593142
Patch description:  "One-off"
   Created on 27 May 2020, 21:29:46 hrs PST8PDT
   Bugs fixed:
     30450082


--------------------------------------------------------------------------------

OPatch succeeded.
[bij@whf00cqm OPatch]$
```

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10. **Verify the OUI Inventory.**

    OPatch needs access to a valid OUI inventory to apply patches.

    Validate the OUI inventory with the following commands:

    Run the below commands form opatch folder

    $ cd /scratch/work_area/Oracle/Middleware/Oracle_Home/OPatch

    $ opatch lsinventory -jre $ORACLE_HOME/jdk/jre

11. Go to patch directory and apply the patch using opatch utility.

    $ cd /scratch/work_area/Oracle/Middleware/patches/p30450082_122140_Generic/30450082

    $ opatch apply

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```
Argument(s) Error... Patch Location not valid

Please check the arguments and try again.

OPatch failed with error code 135
[bij@whf00cqm OPatch]$ cd /scratch/work_area/Oracle/Middleware/patches/p30450082_122140_Generic/30450082
[bij@whf00cqm 30450082]$ opatch apply
Oracle Interim Patch Installer version 13.9.4.2.2
Copyright (c) 2020, Oracle Corporation.  All rights reserved.


Oracle Home       : /scratch/work_area/Oracle/Middleware/Oracle_Home
Central Inventory : /home/bij/oraInventory
   from           : /scratch/work_area/Oracle/Middleware/Oracle_Home/oraInst.loc
OPatch version    : 13.9.4.2.2
OUI version       : 13.9.4.0.0
Log file location : /scratch/work_area/Oracle/Middleware/Oracle_Home/cfgtoollogs/opatch/opatch2020-06-02_15-42-01PM_1.log


OPatch detects the Middleware Home as "/scratch/work_area/Oracle/Middleware/Oracle_Home"

Verifying environment and performing prerequisite checks...
OPatch continues with these patches:   30450082

Do you want to proceed? [y|n]
y
User Responded with: Y
All checks passed.

Please shutdown Oracle instances running out of this ORACLE_HOME on the local system.
(Oracle Home = '/scratch/work_area/Oracle/Middleware/Oracle_Home')


Is the local system ready for patching? [y|n]

Could not recognize input. Please re-enter.
y
User Responded with: Y
Backing up files...
Applying interim patch '30450082' to OH '/scratch/work_area/Oracle/Middleware/Oracle_Home'
ApplySession: Optional component(s) [ oracle.fmwconfig.common.wls.shared, 12.2.1.4.0 ]  not present in the Oracle Home or a higher version is found.

Patching component oracle.fmwconfig.common.wls.shared.internal, 12.2.1.4.0...
```

12. After applying patch successfully check for the installed patch using below command from opatch folder.

$ cd /scratch/work_area/Oracle/Middleware/Oracle_Home/OPatch

$ ./opatch lspatches


```
./opatch. Command not found.
[bij@whf00cqm 30450082]$ cd /scratch/work_area/Oracle/Middleware/Oracle_Home/OPatch
[bij@whf00cqm OPatch]$ ./opatch lspatches
30450082;One-off

OPatch succeeded.
[bij@whf00cqm OPatch]$
```

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4. STEPS TO INSTALL ORACLE ANALYTICS SERVER

1. Copy Oracle_Analytics_Server_5.5.0.jar to /scratch/swdump
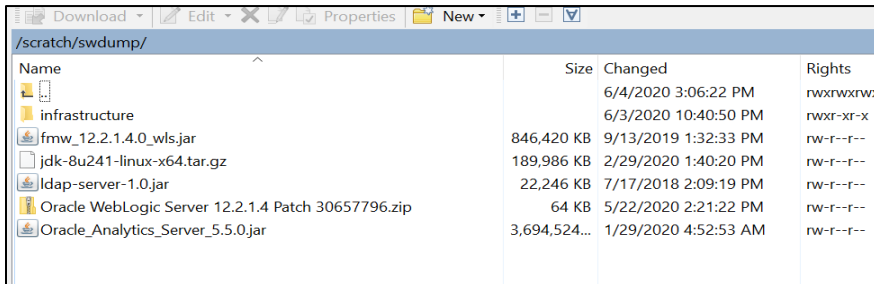
2. Go to /scratch/swdump
3. Set the java path as below

   set JAVA_HOME:

          setenv JAVA_HOME /scratch/jdk1.8.0_241

          echo $JAVA_HOME

   set PATH:

          setenv PATH $JAVA_HOME/bin:$PATH

          echo $PATH

4. Run Xming with x11 forwarding option
   - Download Xming
   - Start Xming by double-clicking on the Xming icon
   - Open the PuTTY session configuration window
   - Open the session category, specify a host name (whf00cqm.in.oracle.com)you want to connect to
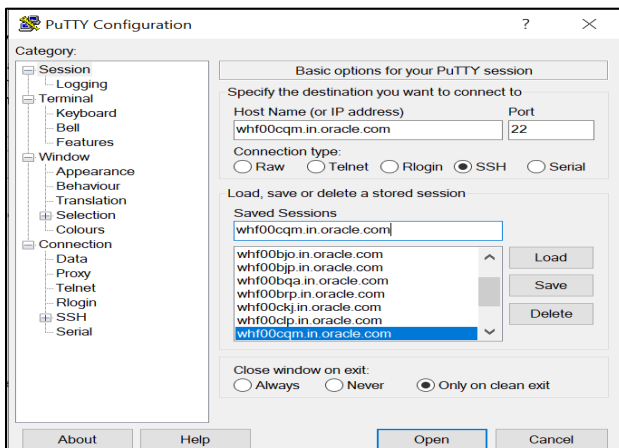
- In the PuTTY configuration window, select "Connection → SSH → X11→ Enable x11 forwarding
- Make sure that the "**Enable X11 forwarding**" box is checked

5. "Xming" should be active before run the command java -jar Oracle_Analytics_Server_5.5.0.jar

6. Run the command "java –jar Oracle_Analytics_Server_5.5.0.jar"

$cd /scratch/swdump

$ java –jar Oracle_Analytics_Server_5.5.0.jar

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7. On the Auto Updates screen, leave **Skip Auto Updates** selected.

8. On the Installation Location screen, enter the location for Oracle Home (or click **Browse** to browse to the location), and then click **Next**.

Oracle Home is /scratch/work_area/Oracle/Middleware/Oracle_Home

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9. On the Prerequisite Checks screen, wait for all checks to complete successfully, and then click **Next**.
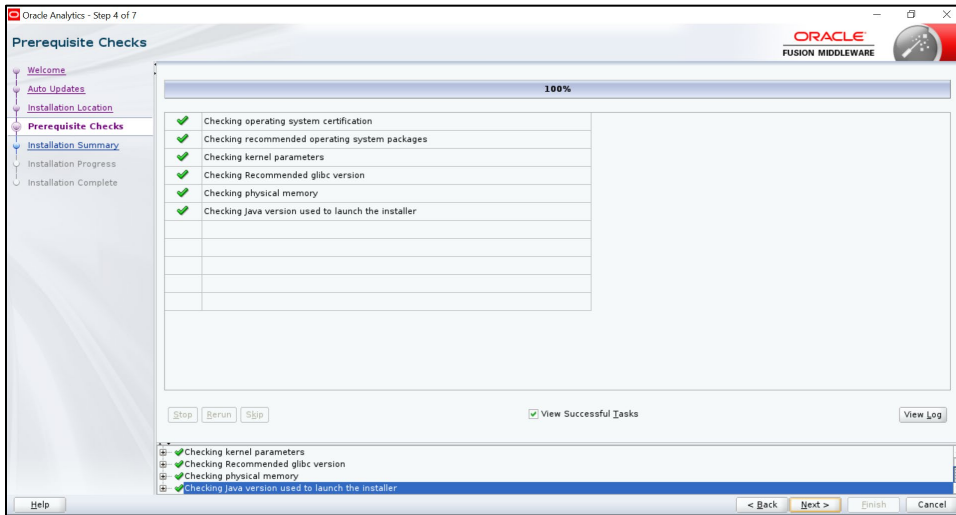
10. On the Installation Summary screen, review the installation information. If everything is acceptable, click **Install**.

11. On the Installation Progress screen, wait for the progress bar to reach 100%, and then click **Next**.
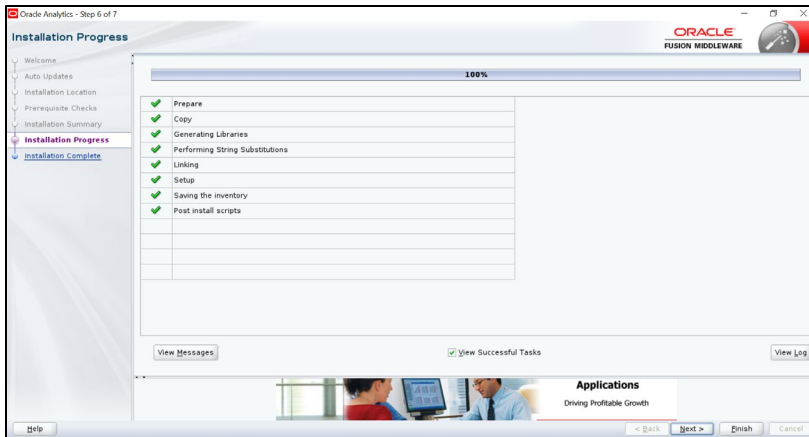
12. On the Installation Complete screen click **Finish**.

Next step is to create the RCU schema required by OAS, by executing the `rcu` command.

5. SETUP RCU (Repository Creation Utility)

SETUP RCU (Repository Creation Utility) SCHEMA FOR ORACLE ANALYTICS SERVER

1. For RCU configuration

   Go to the below path and run this ./rcu

   $ cd /scratch/work_area/Oracle/Middleware/Oracle_Home/oracle_common/bin

   $ ./rcu

2. Click **Next**.

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3. Click on **Next**. The following screen will appear. Select System Load and product Load

4. Click on **Next**. The following screen will appear.

Database Type: Oracle Database
Host Name: Host IP where DB is running (e.g. whf00aqu.in.oracle.com)
Port: Port number where DB is running (e.g. 1521)
Service Name: Service Name of the DB (e.g. OBLMDB)
Give sys username and Password
Role: SYSDBA
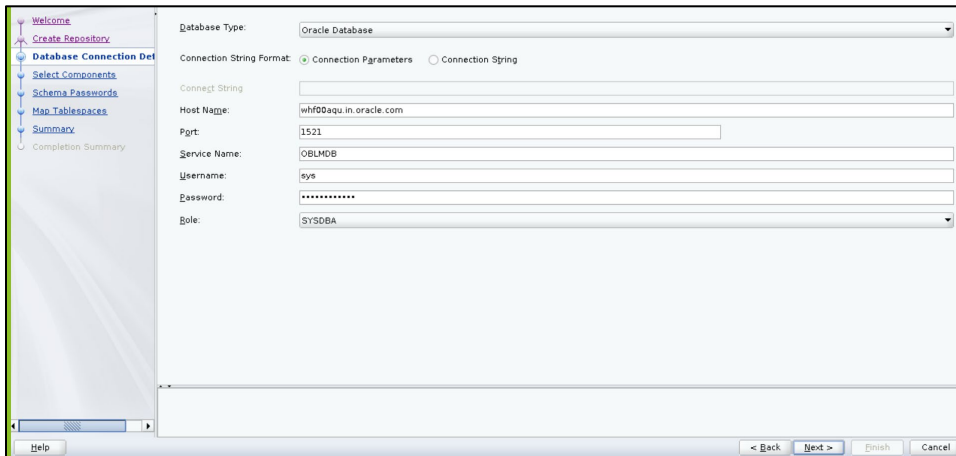
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5. Click **Next**. Following screen will appear.
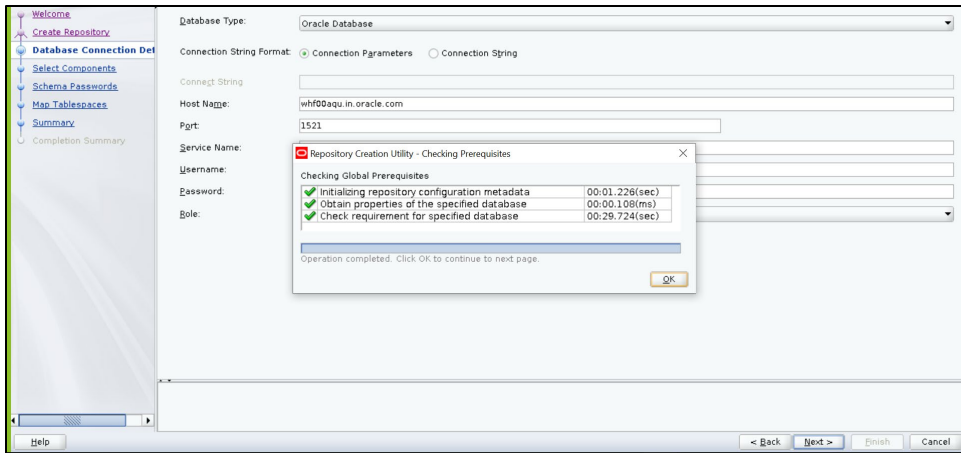
6. Select Create new prefix and enter the prefix of your choice. e.g. DEV7
7. Select **Oracle AS Repository Components** checkbox. The rest of the checkboxes should be selected automatically.

8. Click **Next**.

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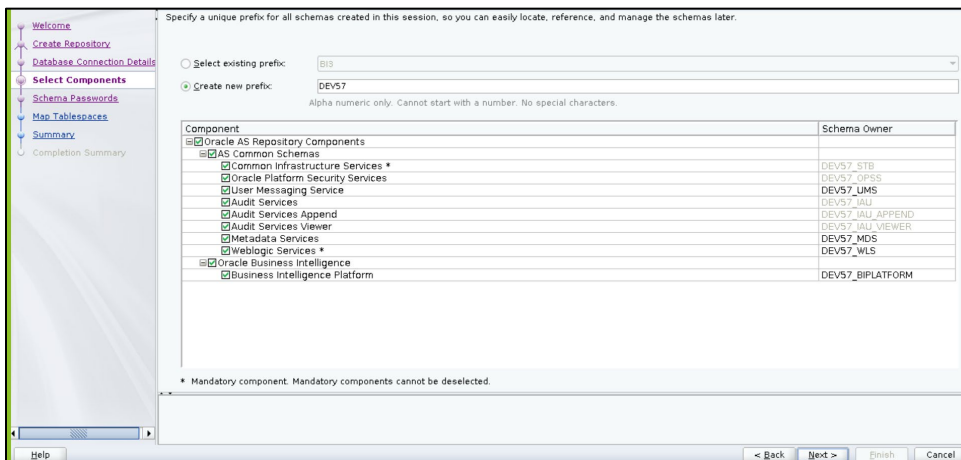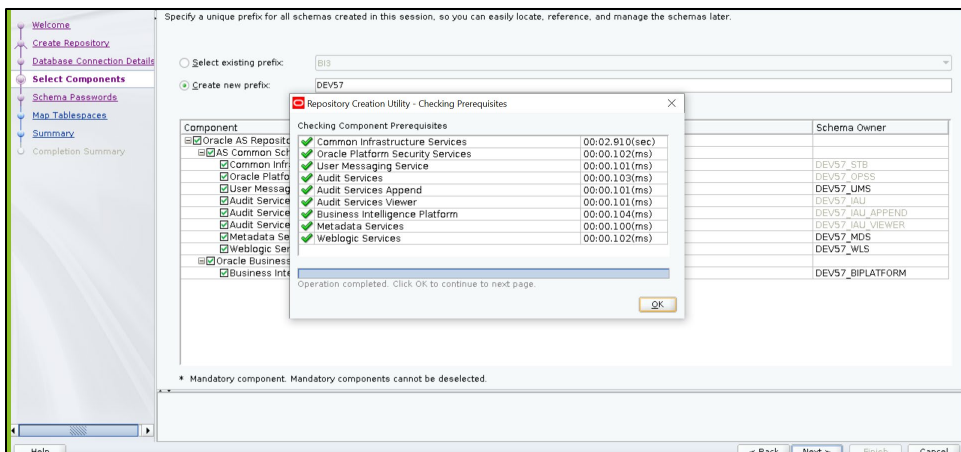
9. Click on **Use Same Password for all schemas** and Click **Next.**
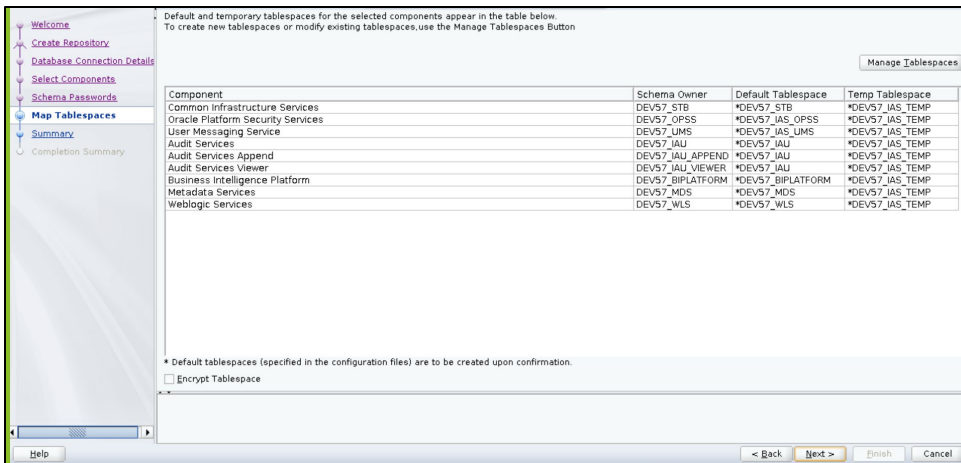
10. Click **Next**.
11. Click **OK** to create tablespace.
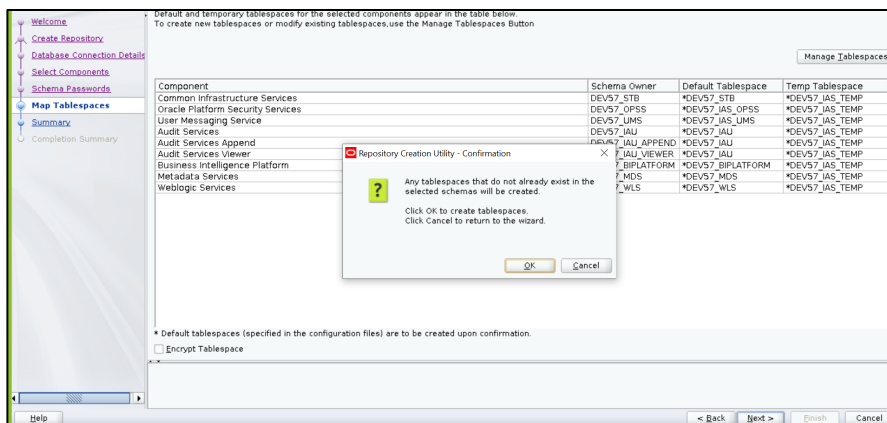
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12. Click **Next**.
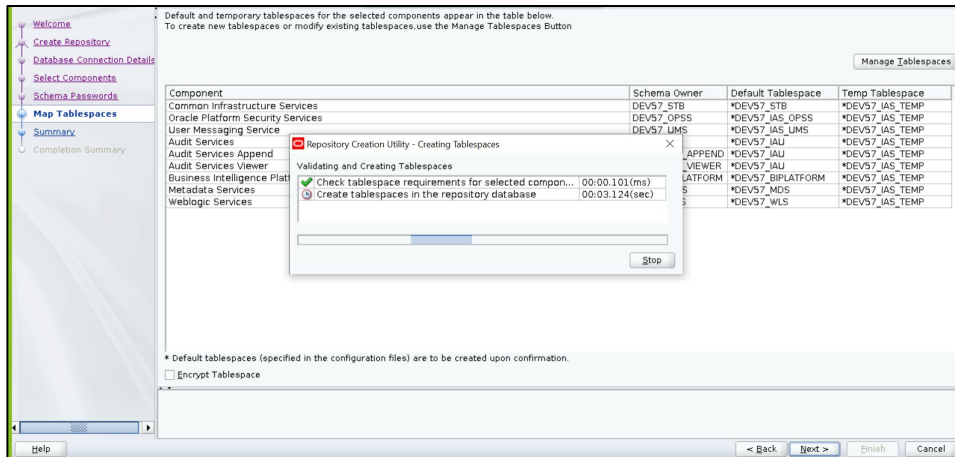
13. Click on **CREATE**.

14. Click on **Create**.
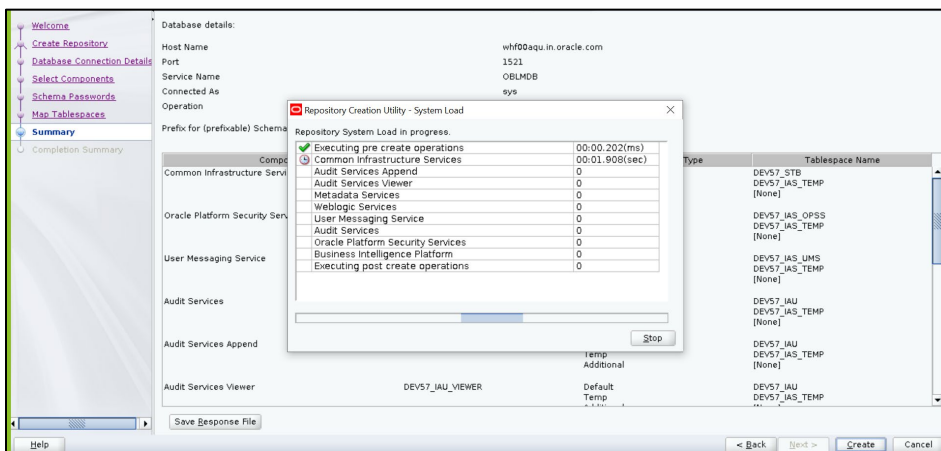
15. Review the following screen and Click **Close**

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6. STEPS TO CONFIGURE OAS WITH RCU SCHEMA

1. To configure OAS with RCU schema, go to the bin folder and run the below command.

   $ cd /scratch/work_area/Oracle/Middleware/Oracle_Home/bi/bin

   $ ./ config.sh

2. Click **Next.**

3. Click **Next**.

4. It will run a Prerequisite Check and click on **NEXT** once its done
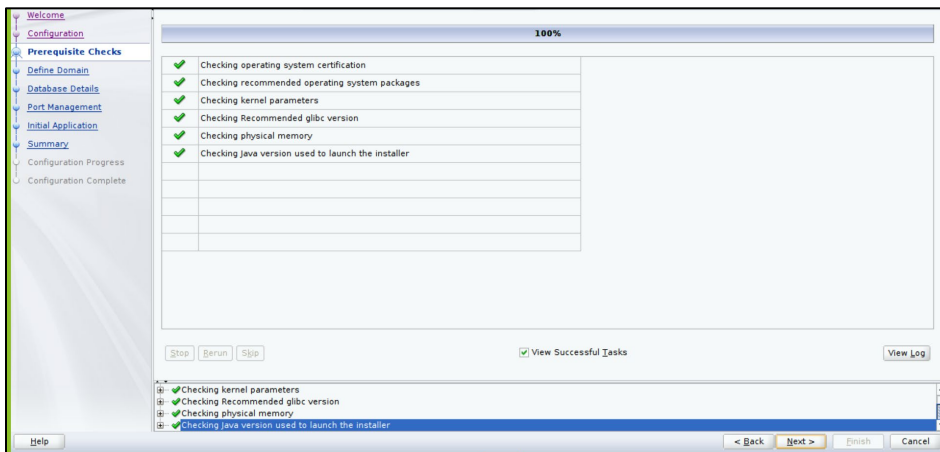
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5. Enter a Domain Name, Username and Password and click NEXT.

6. Select "Use Existing Schemas option"

Database *type* ->Oracle Database
Simple Connection String as -> whf00cqm.in.oracle.com:1521:OBLMDB*"*
Enter previously given prefix and password.(prefix – e.g. DEV57)

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7. Click **Next.**

8. Select Clean Slate.
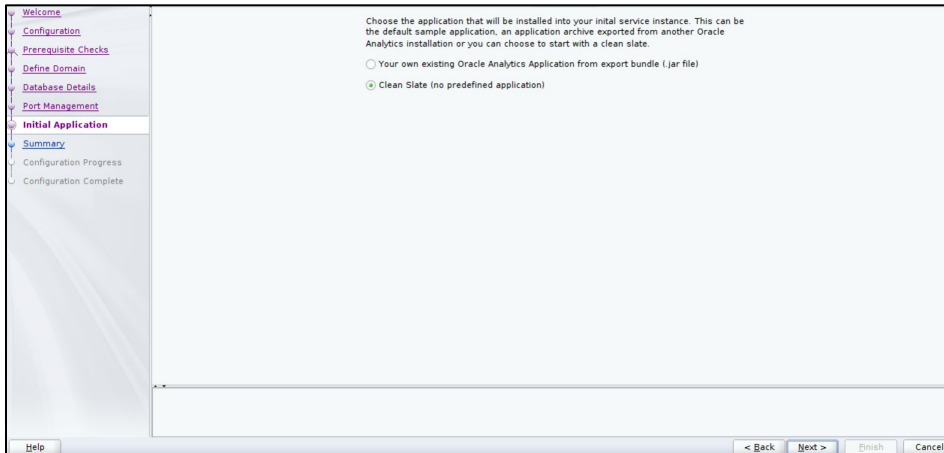
9. Review the Summary and click **Configure**.
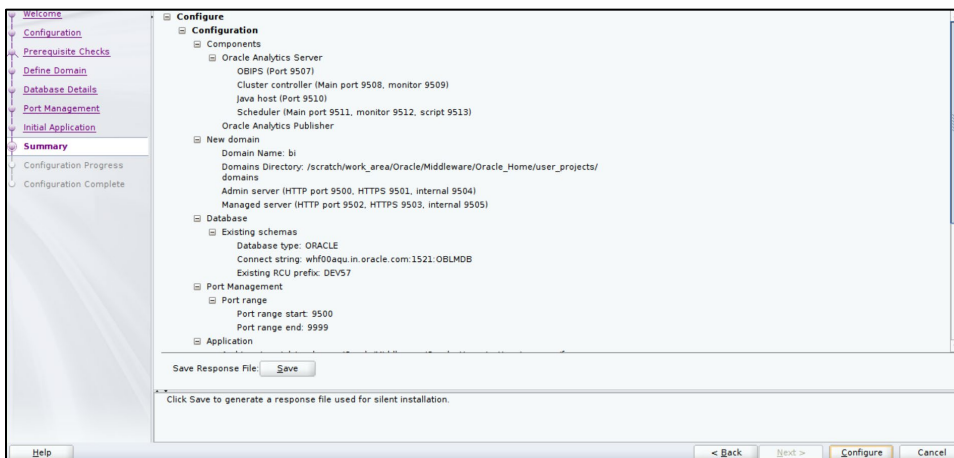
10. Wait until the configuration completes.
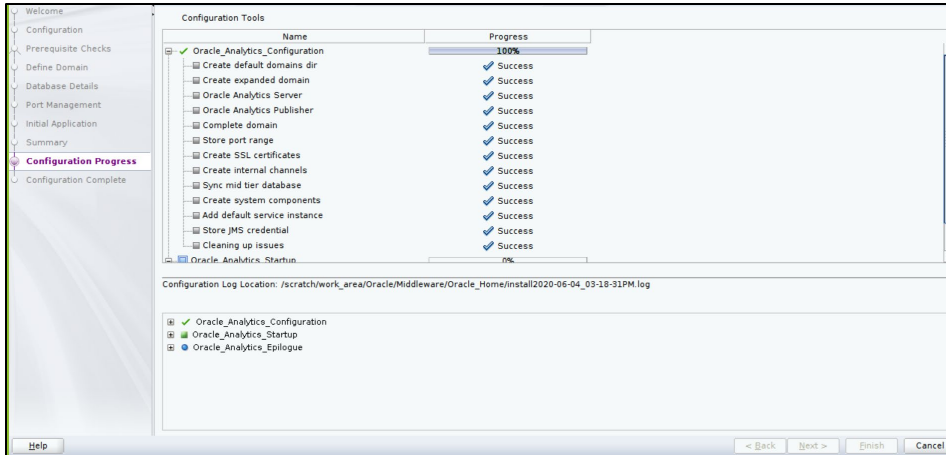
11. Once completed click **Next**.
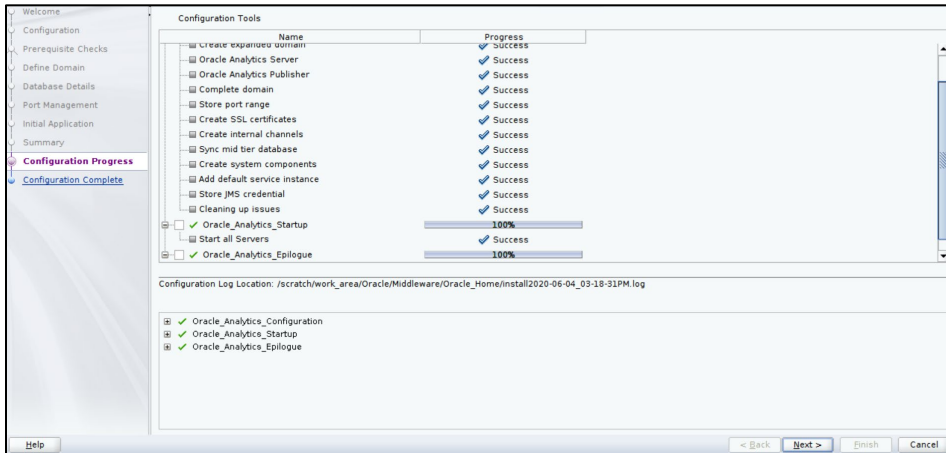
12. Review the configured components and click **Finish**.
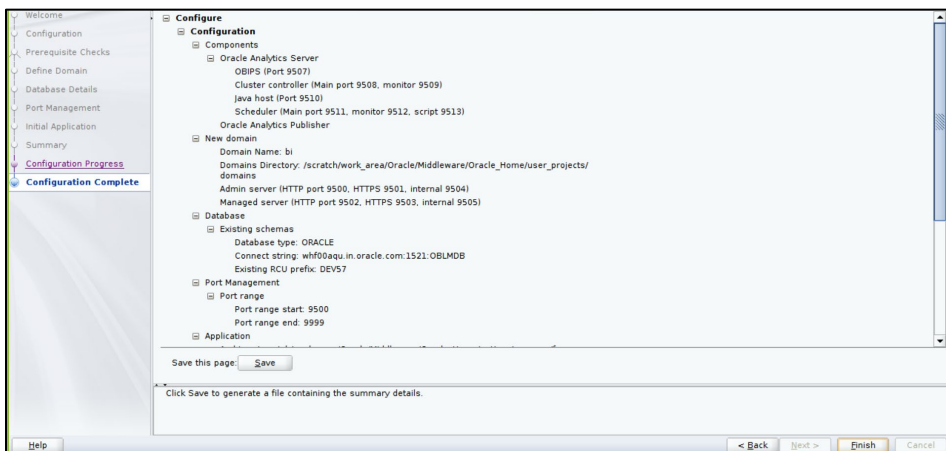
7. UPLOAD THE BIP REPORTS

1. Navigate to the path where the OBIEE is installed and open bin folder under the bitools folder

   e.g. /scratch/work_area/Oracle/Middleware/Oracle_Home/user_projects/domains/bi/bitools/bin
   $ cd /scratch/work_area/Oracle/Middleware/Oracle_Home/user_projects/domains/bi/bitools/bin
   $ ./start.sh

2. Wait until all the servers are up and running.

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8. TEST THE BIP REPORTS

1. Open browser and go to http://whf00cqm:9502/xmlpserver/login.jsp
2. Enter Username and Password and Sign in into BI Publisher Administration Console.

3. Click on Catalog tab at the upper right corner of the page and click on the Shared Folder on the left hand side.

4. Click **Upload** link at the bottom left corner of the page.
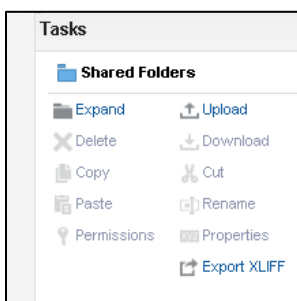
5. Browse the Reports folder of the OSDC Package to find the files (**Reports.xdrz**) and click upload
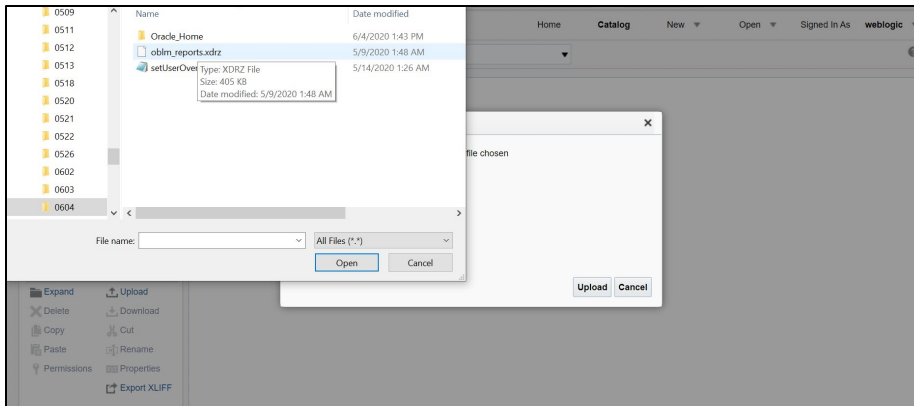
6. Select the file and click on Upload.
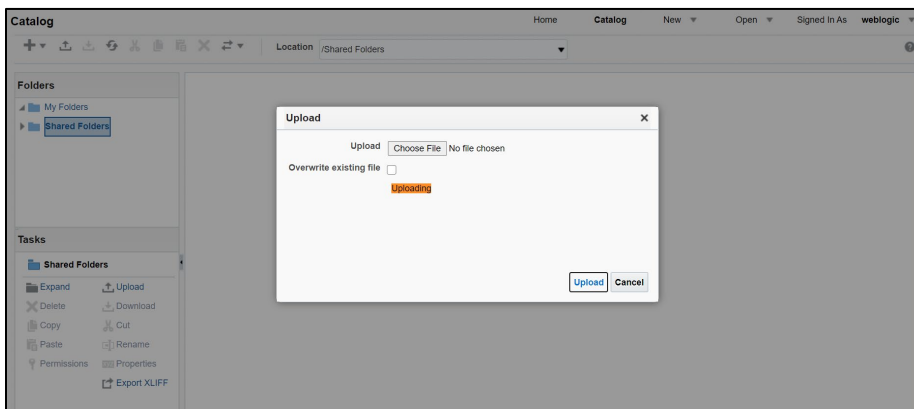
7. The reports will be uploaded to the BIP Server.

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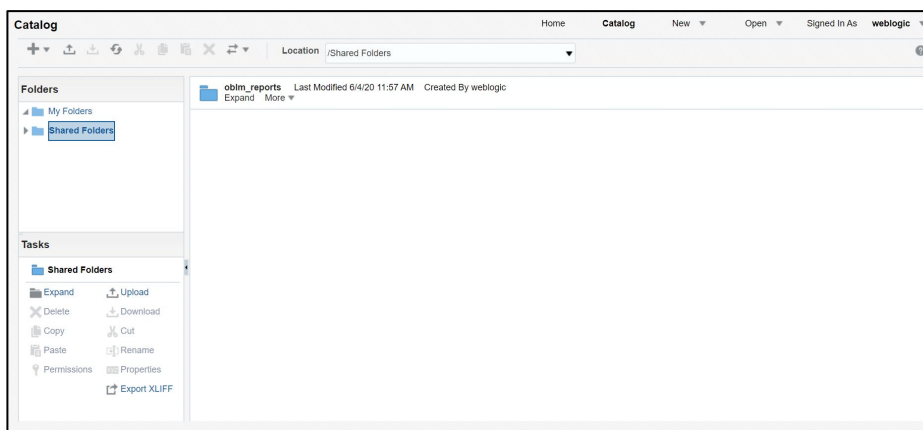
8. To Create the DataSource click on Administration link at the top right corner.
9. Click JDBC Connections under Data Sources.
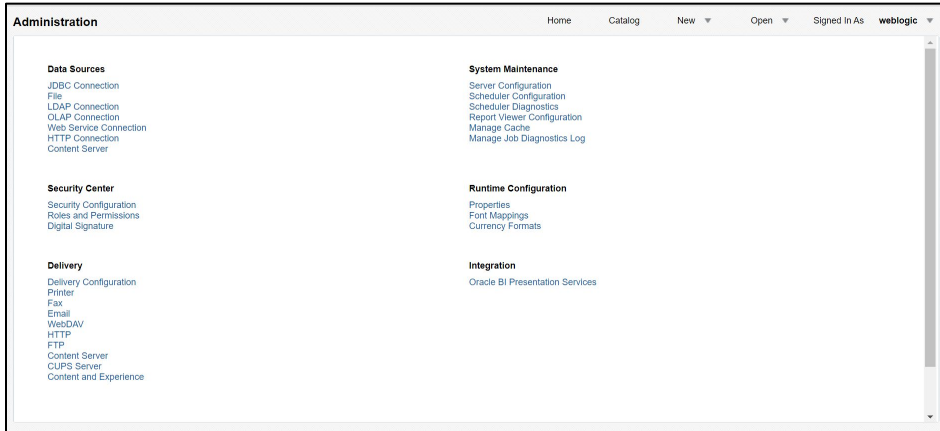
10. Click **Add Data Source** Button.
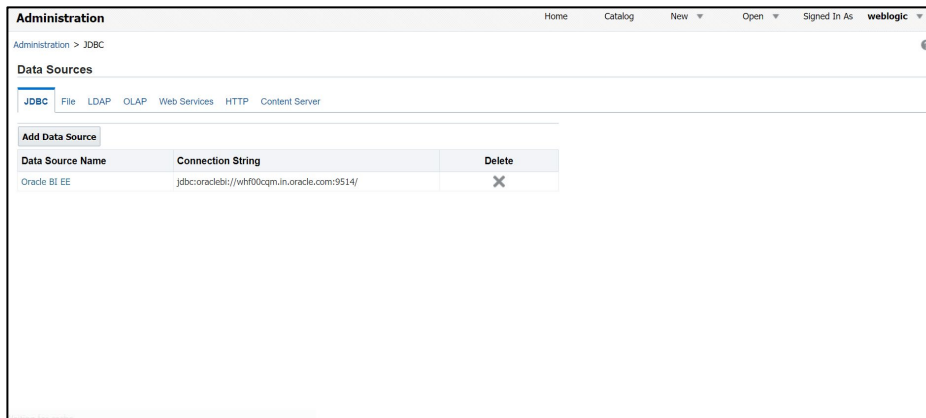
11. Enter the Database details.
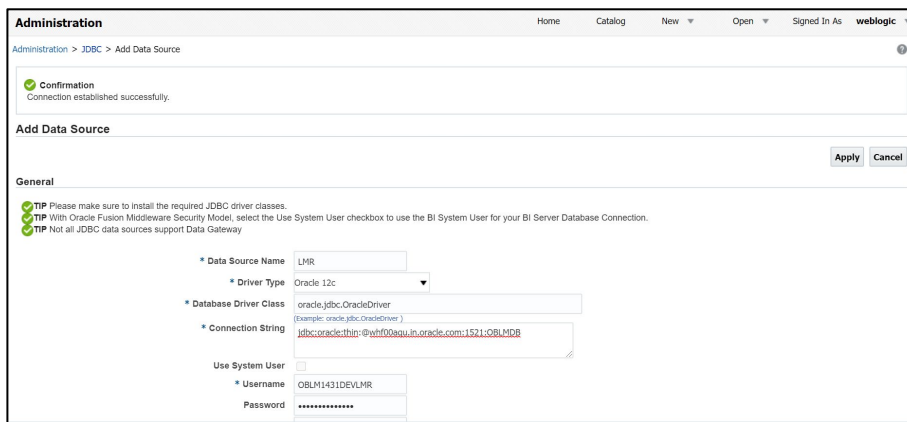
12. After Entering the Data Base Details, Test the connections and Apply

13. If connection is success, it will show the confirmation as "Connection established successfully."

14. Open the Catalogue page and choose the Reports folder under Shared Folders and then Click Edit of each report that will take you to the Data Model of each report.
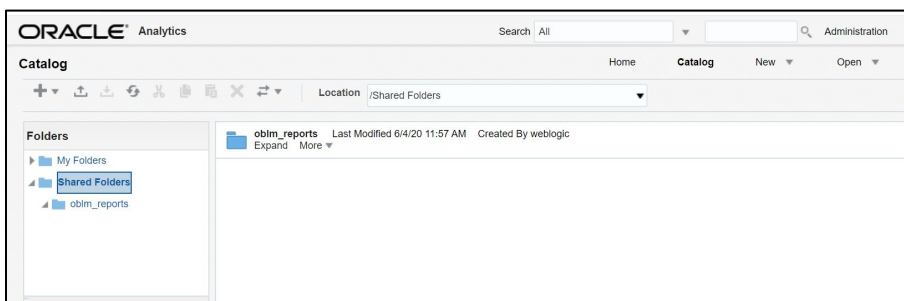
15. Open Catalogue Page and Choose the reports folder, choose a report and Click Open link.
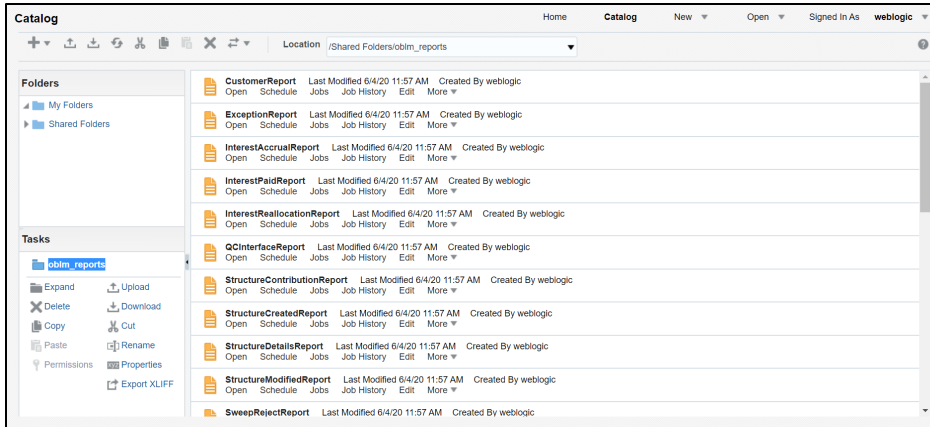
16. In the next page you should see the actual report format.
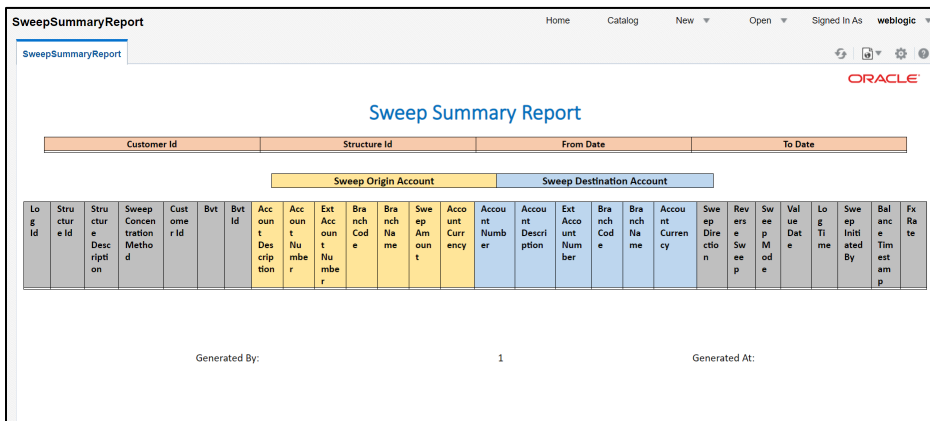
17. Go to properties table of PLATO schema and change the value of key "BIPublisherUrl" as below

http://whf00cqm.in.oracle.com:9502/xmlpserver/services/PublicReportService
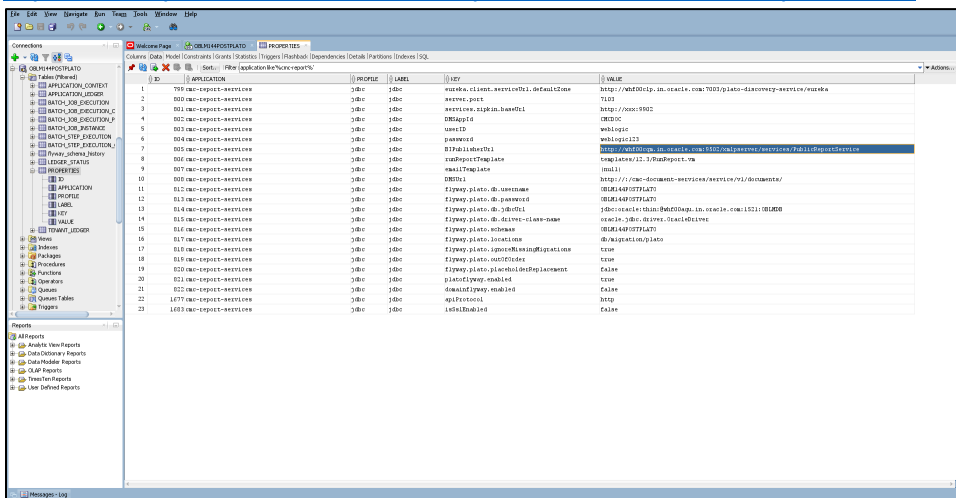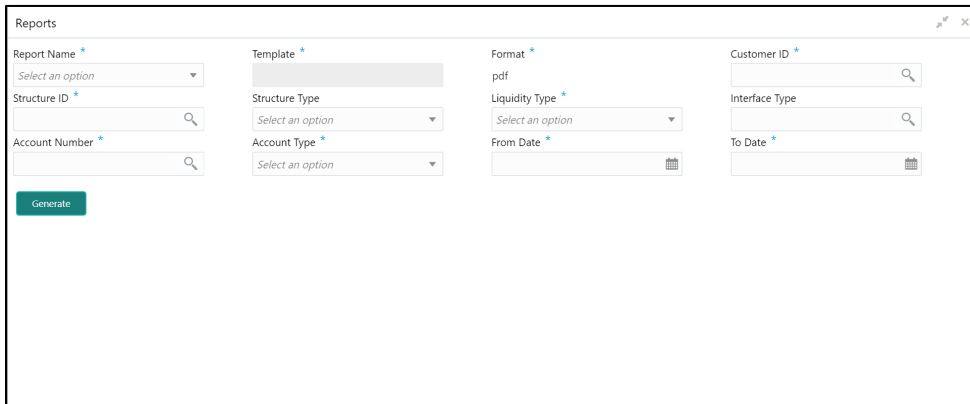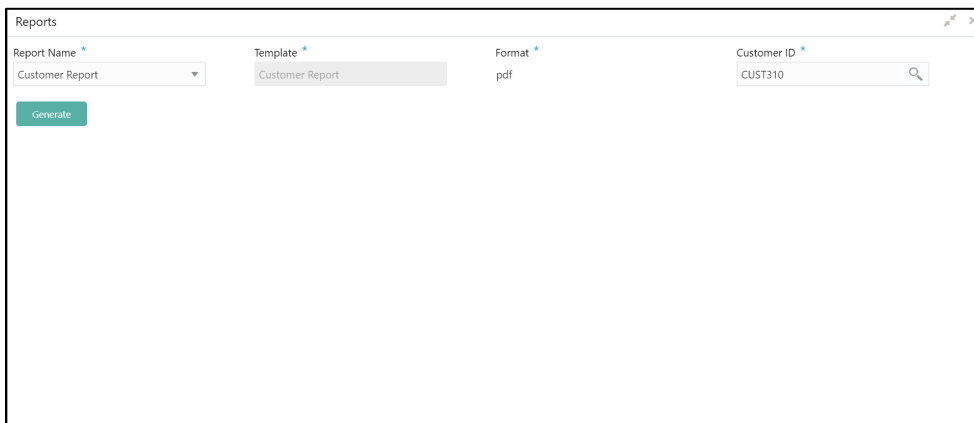
18. Open the application and go to "Reports" page.

19. Enter the data below and click **Generate**.

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20. Report should be download once click **Generate**.
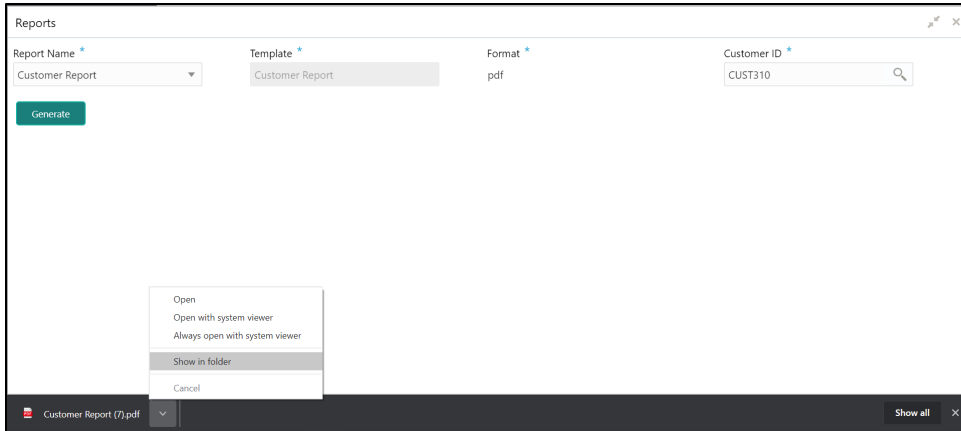
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Report Server Setup and Configuration Guide