BI Publisher Installation Guide
Oracle Financial Services Lending and Leasing
Release 14.0.0.0.0
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Oracle Part Number E51531-01

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FINANCIAL SERVICES

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1. Preface

For recommendations on security configuration, refer Security Configuration Guide.

This document contains notes and installation steps needed to install and Configure Oracle BI Publisher. Oracle Financial Services Lending and Leasing relies on this software to configure reports and this document is in no way meant to replace Oracle documentation supplied with this Oracle product or available via Oracle technical support. The purpose of this document is only meant to supplement the Oracle documentation and to provide Oracle Financial Services Lending and Leasing specific installation instructions.

BI Publisher installation is a four step process.

1. Installing BI Publisher
2. Configuring BI Publisher
3. Creating Unique BI Publisher User
4. Creating BI Publisher Datasource
5. Importing Reports to BI Publisher Server

1.1 Prerequisites

The following software are required to install Oracle Financial Services Lending and Leasing application.

1. Sun JDK Version 1.6 update 31 or above (http://www.oracle.com/technetwork/java/javase/downloads/index.html)

    OR

    Oracle JRockit JDK Version 1.6 update 22 or above
    http://www.oracle.com/technetwork/middleware/jrockit/downloads/index.html

2. Oracle WebLogic Server 11gR1 Version 10.3.5
    http://www.oracle.com/technetwork/middleware/weblogic/downloads/wls-main-097127.html)

3. Oracle BI Publisher Version BI 11.1.1.6.0
    http://www.oracle.com/technetwork/middleware/bi-publisher/downloads/index.html

4. Download RCU for the respective platform from the "Required Additional Software" section of
    http://www.oracle.com/technetwork/middleware/bi-publisher/downloads/index.html

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Note

Please use all 64-bit software's for machine hosted with 64-bit O/S.

1.2 Audience

This document is intended for system administrators or application developers who are installing Oracle Financial Services Lending and Leasing Application.

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Conventions Used

| Term	Refers to
Application	Oracle Financial Services Lending and Leasing

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2.1 Installing BI Publisher

Follow the below steps to install BI publisher:

1. Download and unzip all the software related to OBIEE (5 zip files).

bi_linux_x86_111160_64_disk1_1of2, bi_linux_x86_111160_64_disk1_2of2,
bi_linux_x86_111160_64_disk2_1of2, bi_linux_x86_111160_64_disk2_2of2,
bi_linux_x86_111160_64_disk3

2. When prompted, navigate to /bishiphome/Disk1

3. Run **./runInstaller.**

4. The following window is displayed.

5. Click **Next**. The following window is displayed.
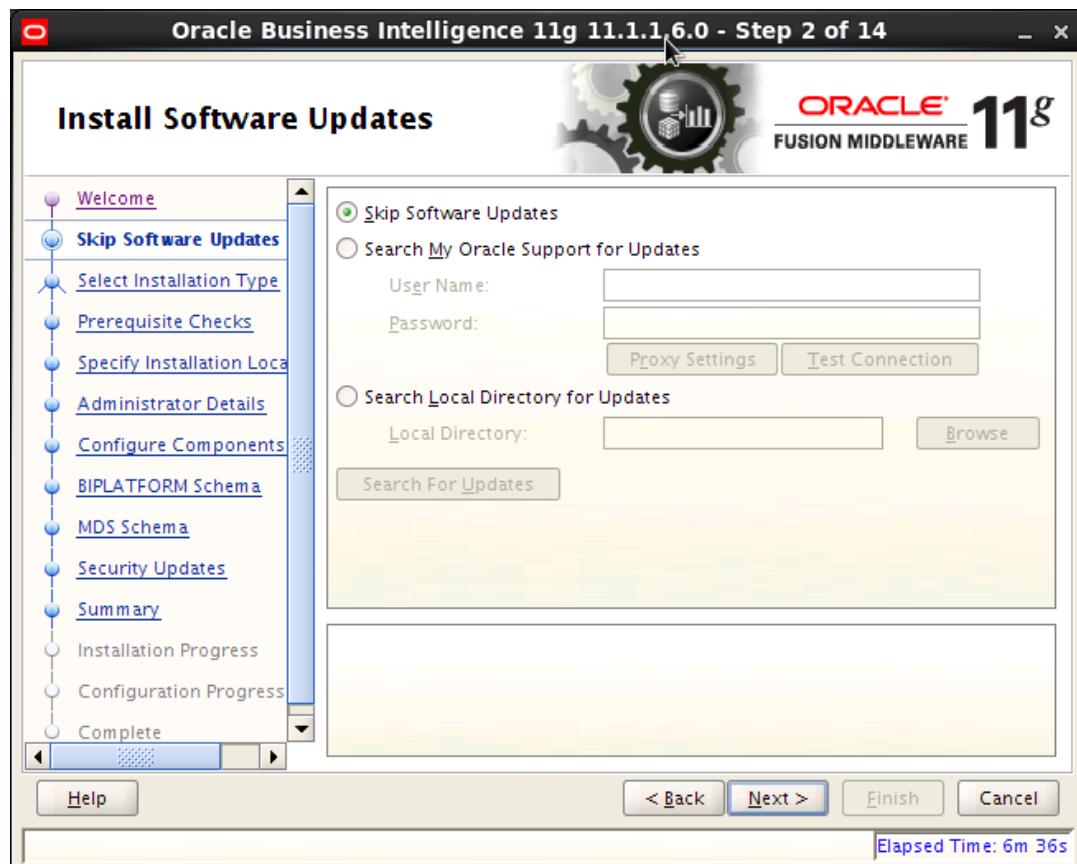
6. Select Skip **Software Updates** and click **Next**. The following window is displayed.
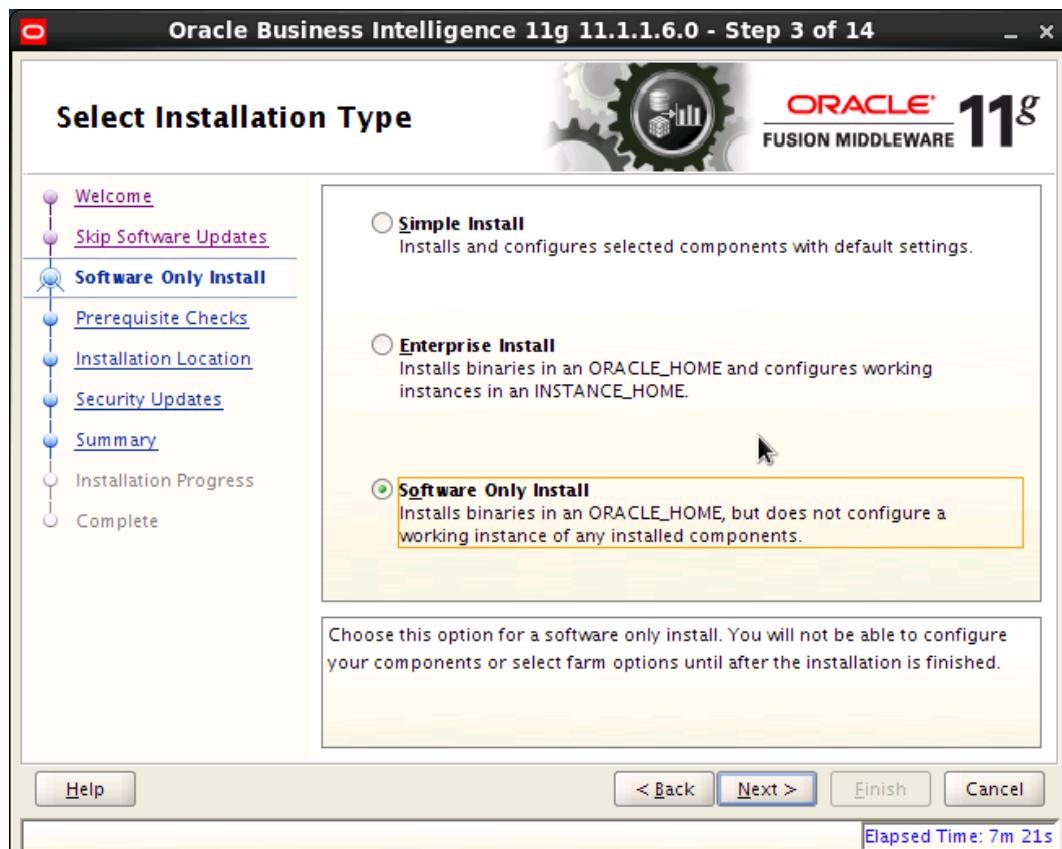
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7. Select Software **Only Install** and click **Next.** The following window is displayed.
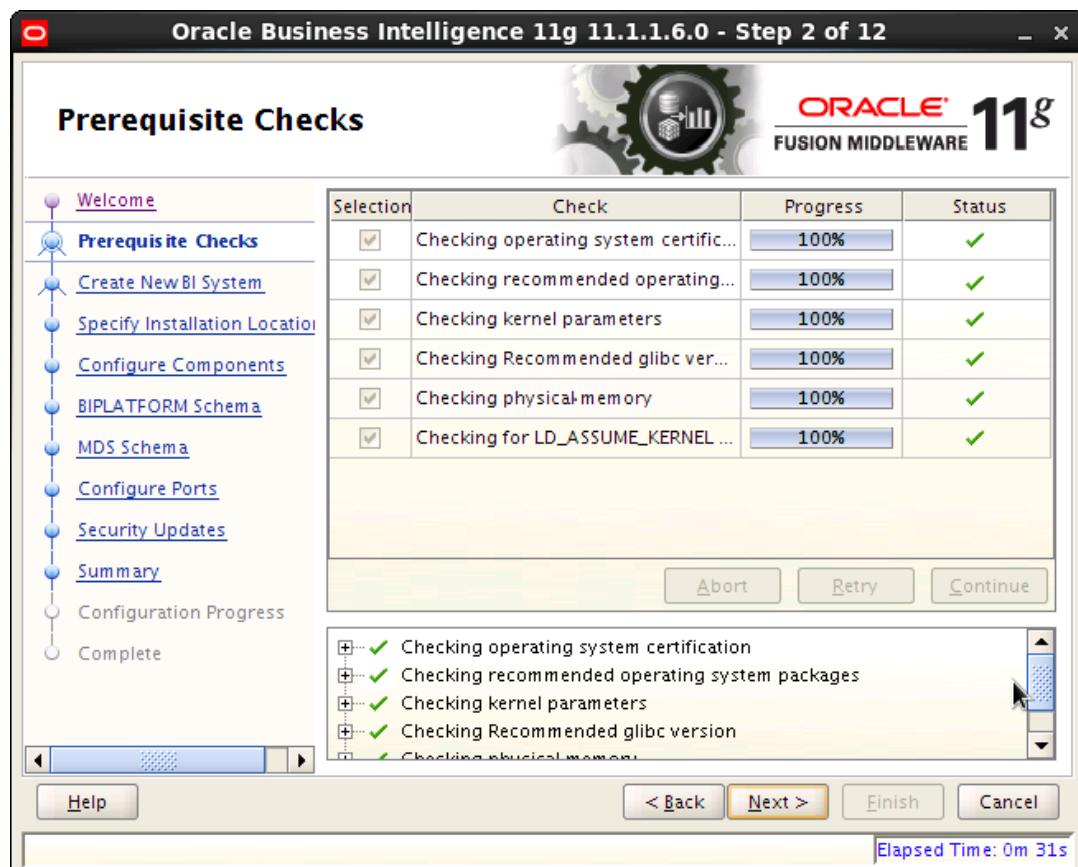
8. Click Next. The following window is displayed.
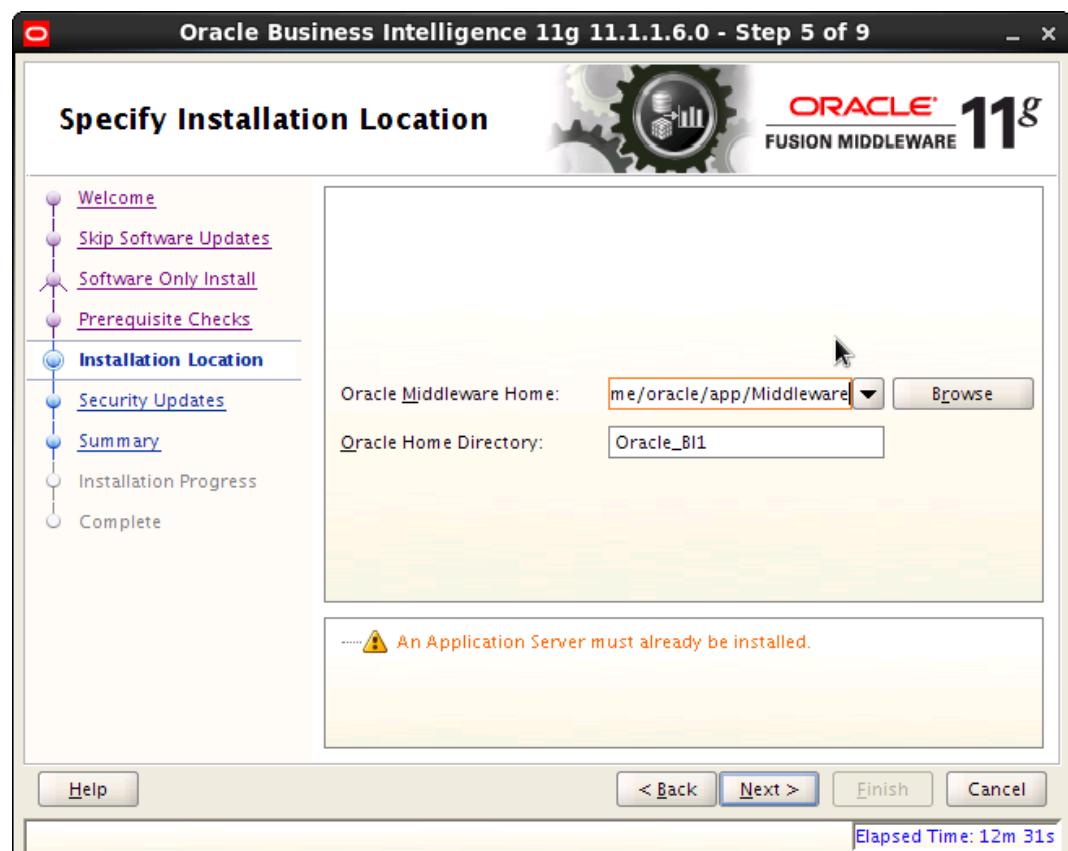
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9. Browse Oracle Middleware Home path as /home/oracle/app/Middleware

10. Provide Oracle_BI1 as Oracle Home Directory for BI Publisher.

11. Click **Next**. The following window is displayed.
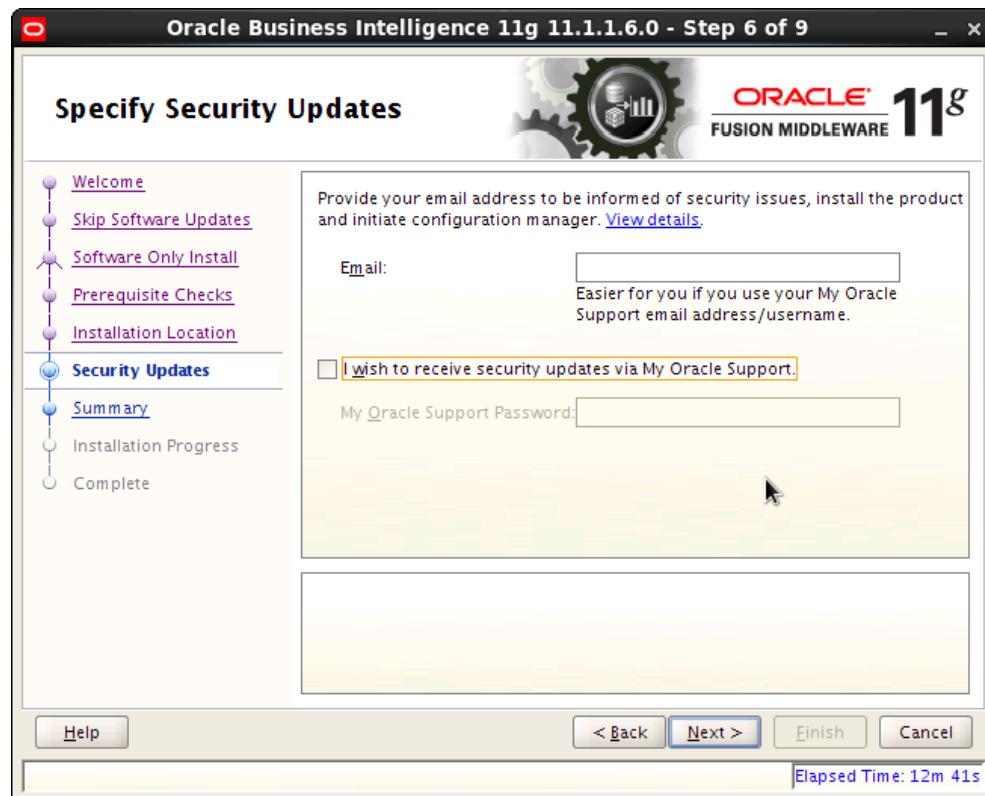
12. Uncheck the highlighted check box in above screen and click **Next**. The following window is displayed.
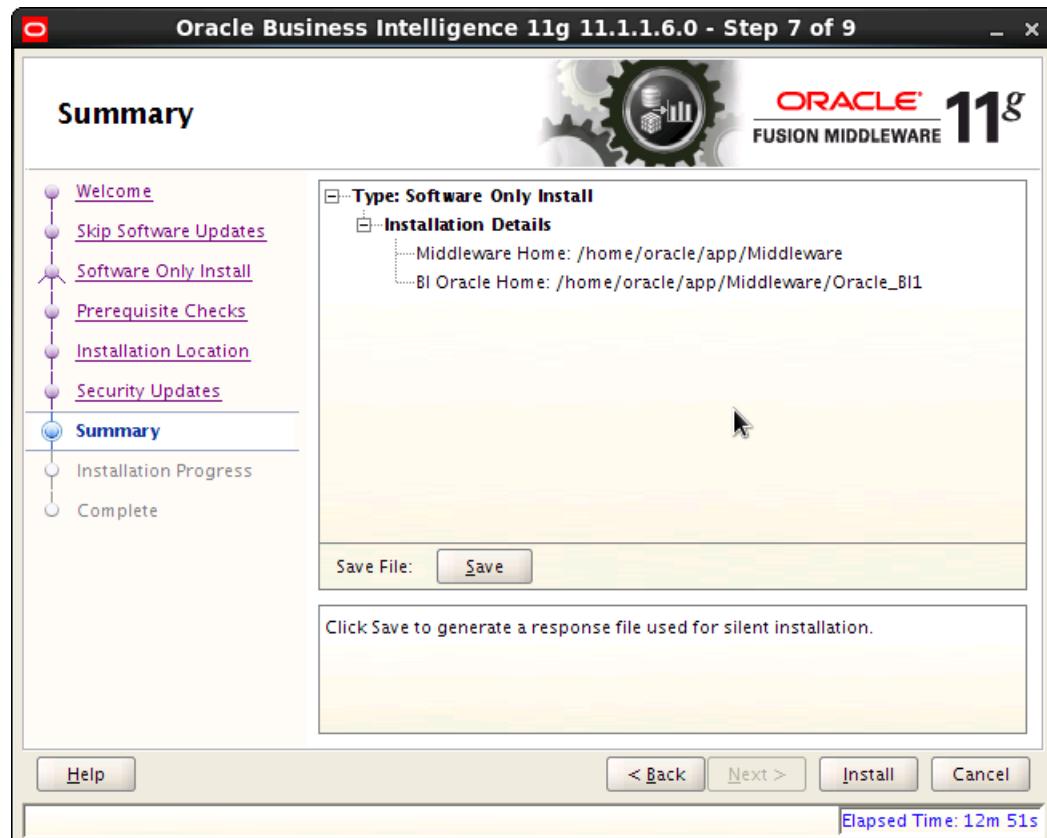
13. Click Install. The following window is displayed.

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14. While progressing, installer prompts for the next desk location as shown below.
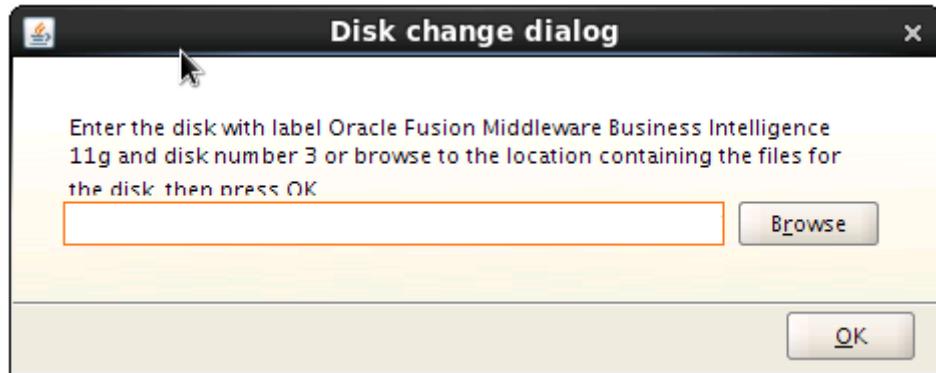
15. For our assumption, select /oracle/OBIEE/bi_linux_x86_111160_64_disk1_2of2/ bishiphome/Disk2/stage, /oracle/OBIEE/bi_linux_x86_111160_64_disk2_1of2/ bishiphome/Disk3/stage, oracle/OBIEE/bi_linux_x86_111160_64_disk2_2of2/ bishiphome/Disk4/stage and /oracle/OBIEE/bi_linux_x86_111160_64_disk3/ bishiphome/Disk5/stage.

16. The following window is displayed.

17. Once the installation is complete click Next and Finish to close.

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3. Configuring BI Publisher

After installing BI Publisher, the next step is to configure BIP.

To configure BIP:

1. Launch configuration window and browse to $BI_HOME\bin (BI_HOME is /home/oracle/app/Middleware/Oracle_BI1).

2. Run **./config.sh**

3. The following window is displayed.
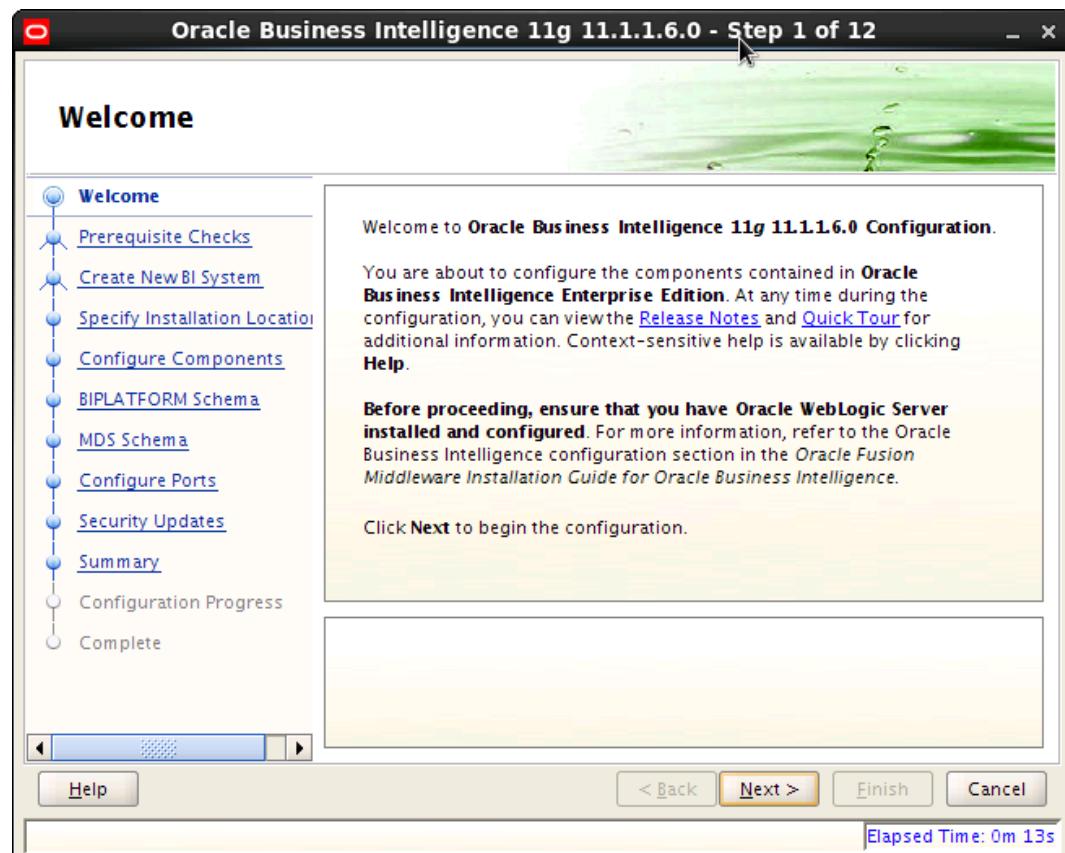
4. Click **Next**. The following window is displayed.

5. Click **Next**. The following window is displayed.

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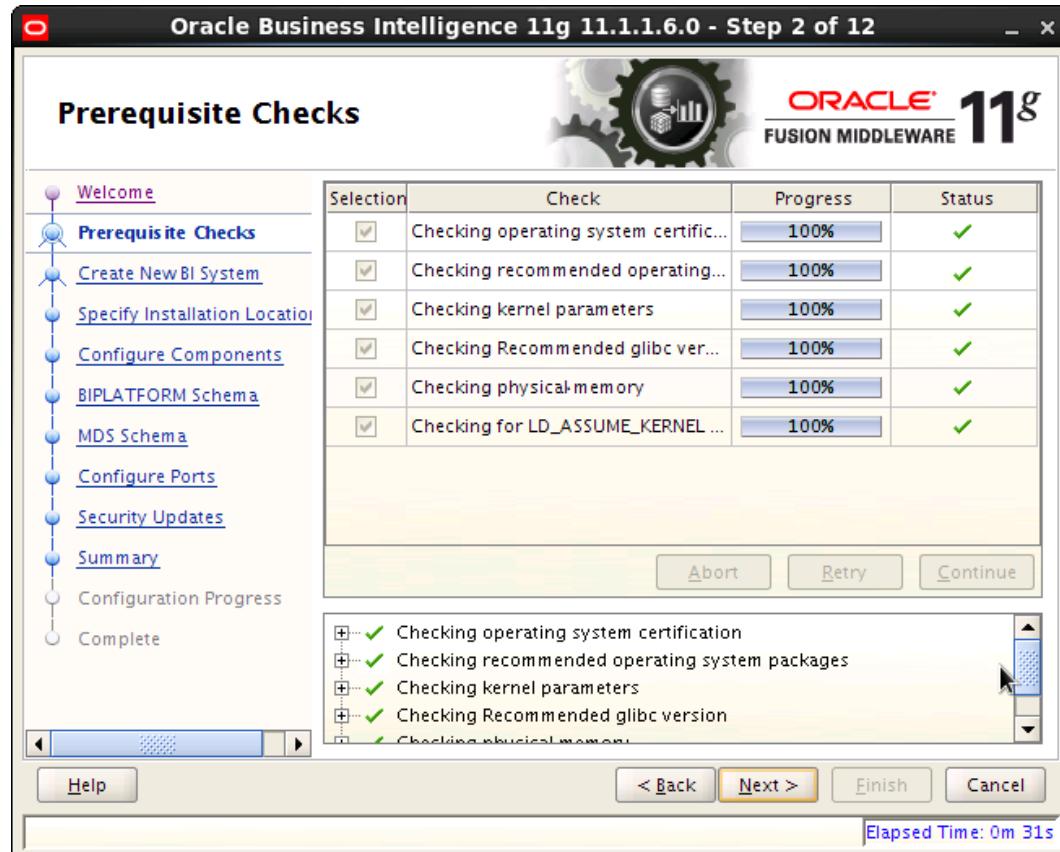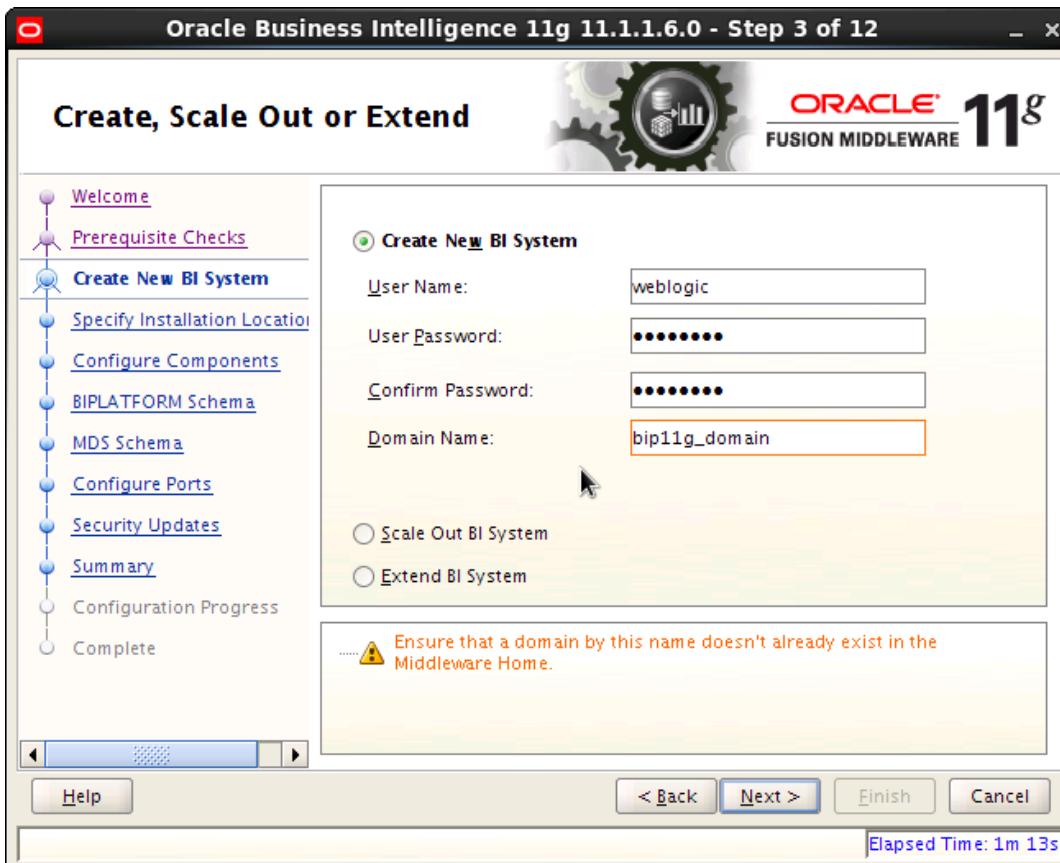
6. Enter the User Name, Password and Domain Name for BI Publisher domain as mentioned above. Click Next. The following window is displayed.
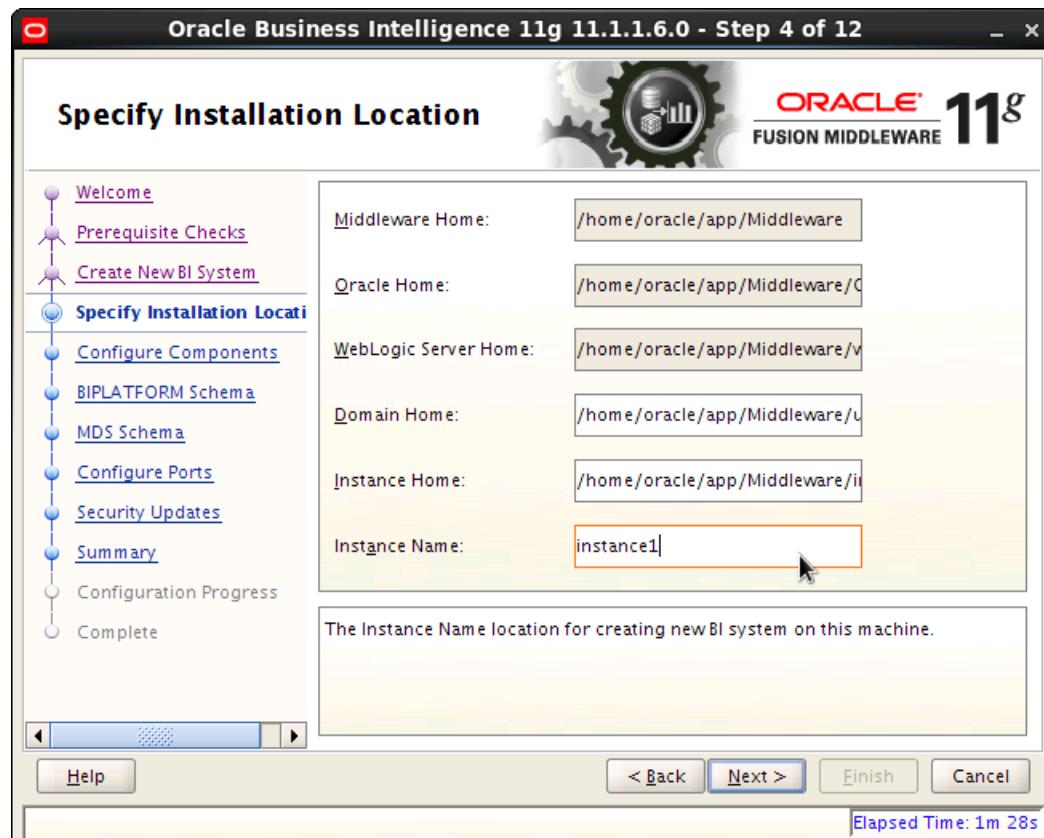
7. The default values are added as highlighted above.

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8. Click Next. The following window is displayed.
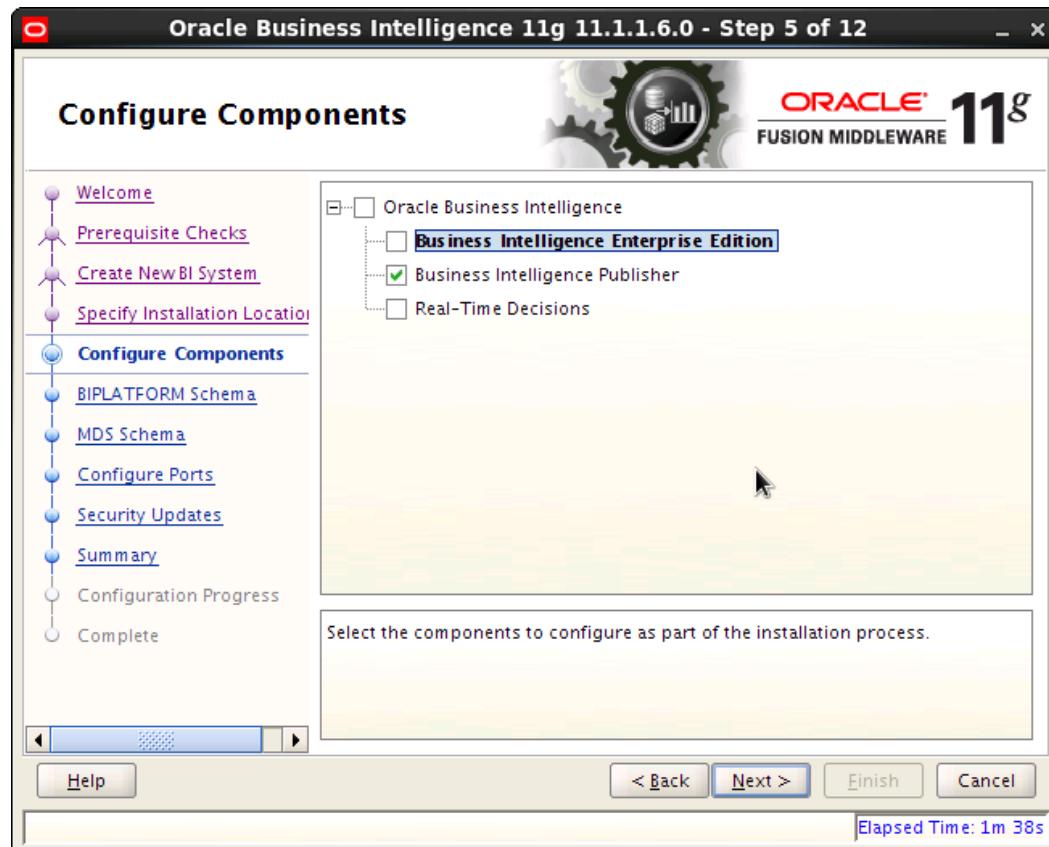
9. Select **Business Intelligence Publisher** and click **Next**. The following window is
   displayed.

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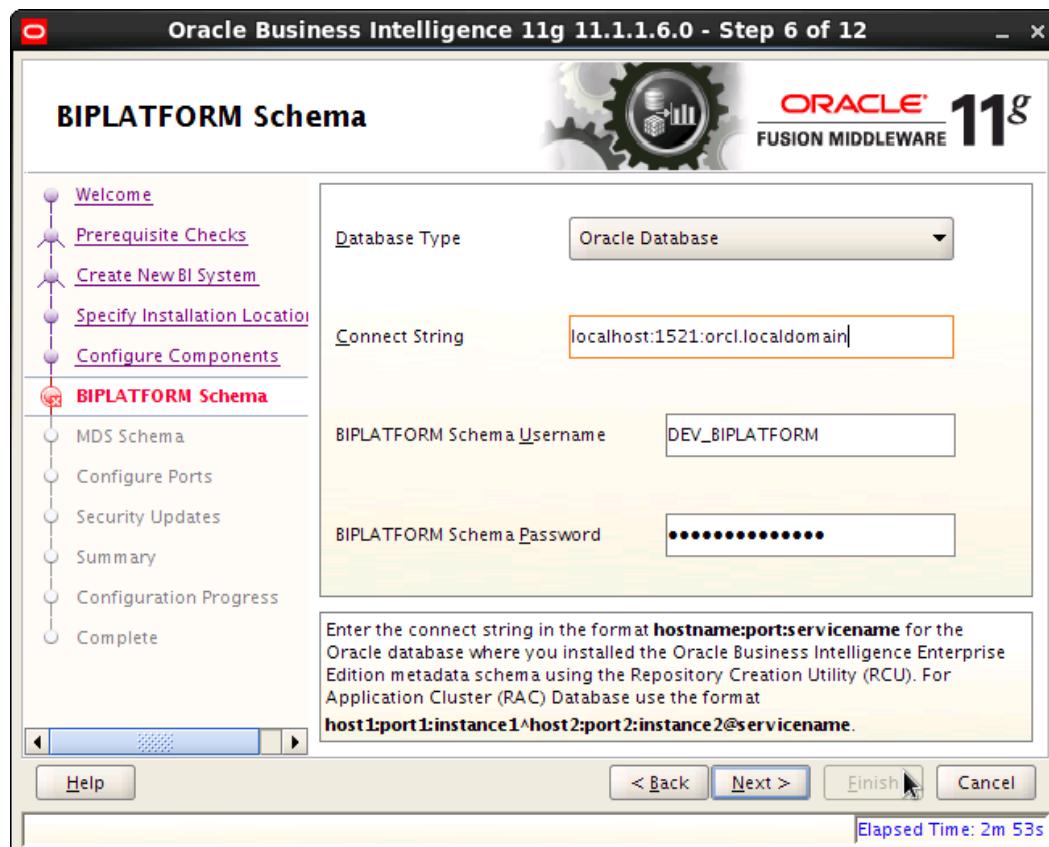
10. Provide the schema details of BIPLATFORM, i.e. DEV_BIPLATFORM, which was created using Repository Creation Utility. *For further details on Repository Creation Utility, refer 'Creating Schemas using Repository Creation Utility' chapter of 'Application Installation Guide'.*

11. Click **Next**. The following window is displayed.
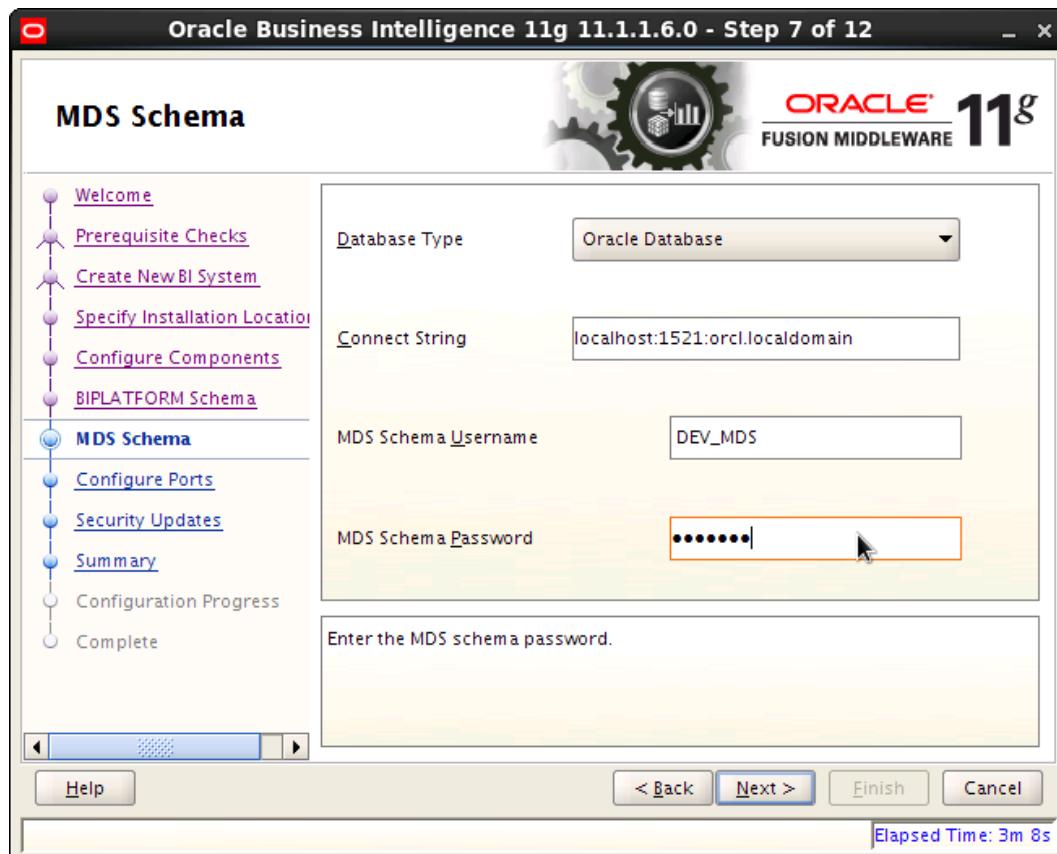

12. Provide the schema details of MDS, i.e. DEV_MDS, which was created using Repository Creation Utility. *For further details on Repository Creation Utility, refer 'Creating Schemas using Repository Creation Utility' chapter of 'Application Installation Guide'.*

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13. Click **Next**. The following window is displayed.
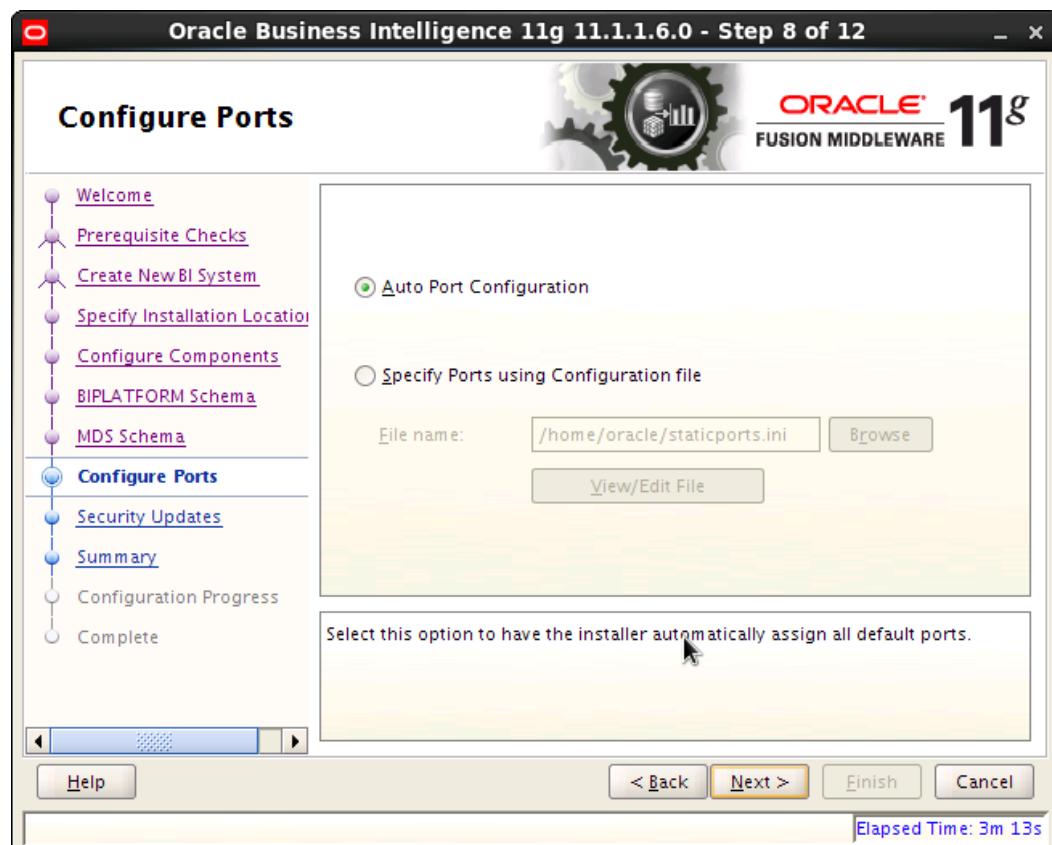
14. Select **Auto Port Configuration** and click **Next**. The following window is displayed.

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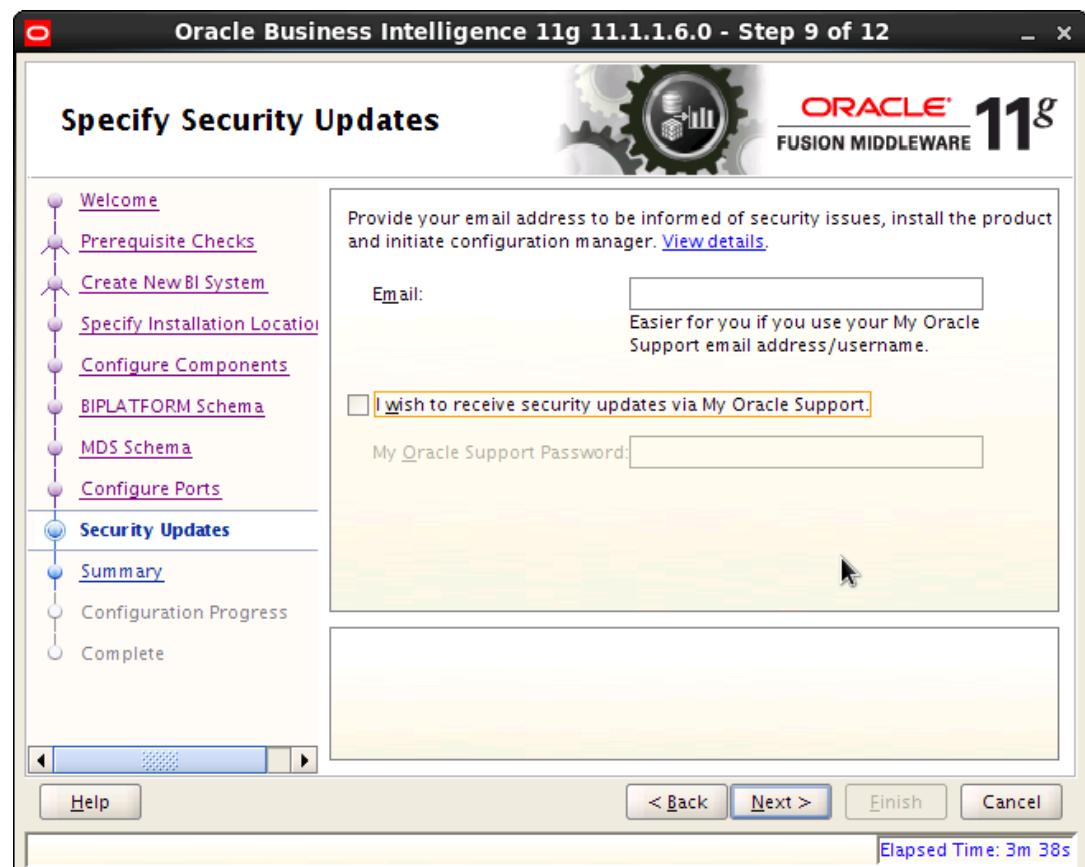
15. Uncheck the check highlighted above, if you do not wish to receive any mails for security updates.

16. Click **Next**. The following window is displayed.
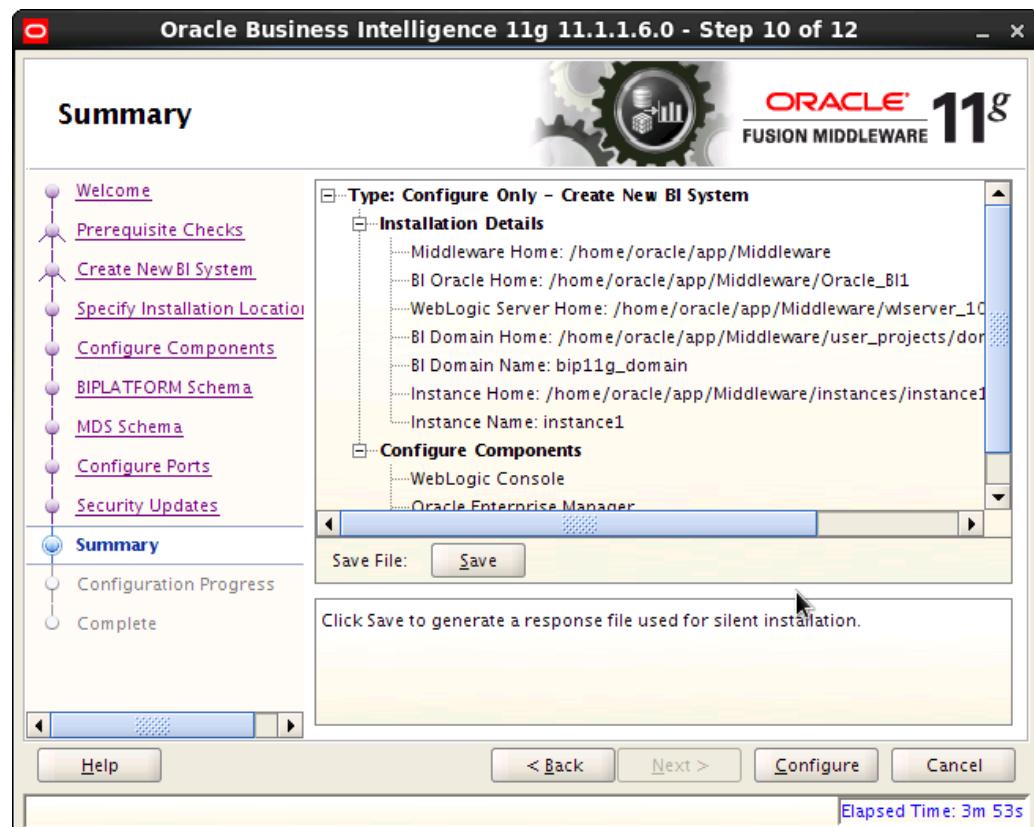
17. Click **Configure**. The following window is displayed.
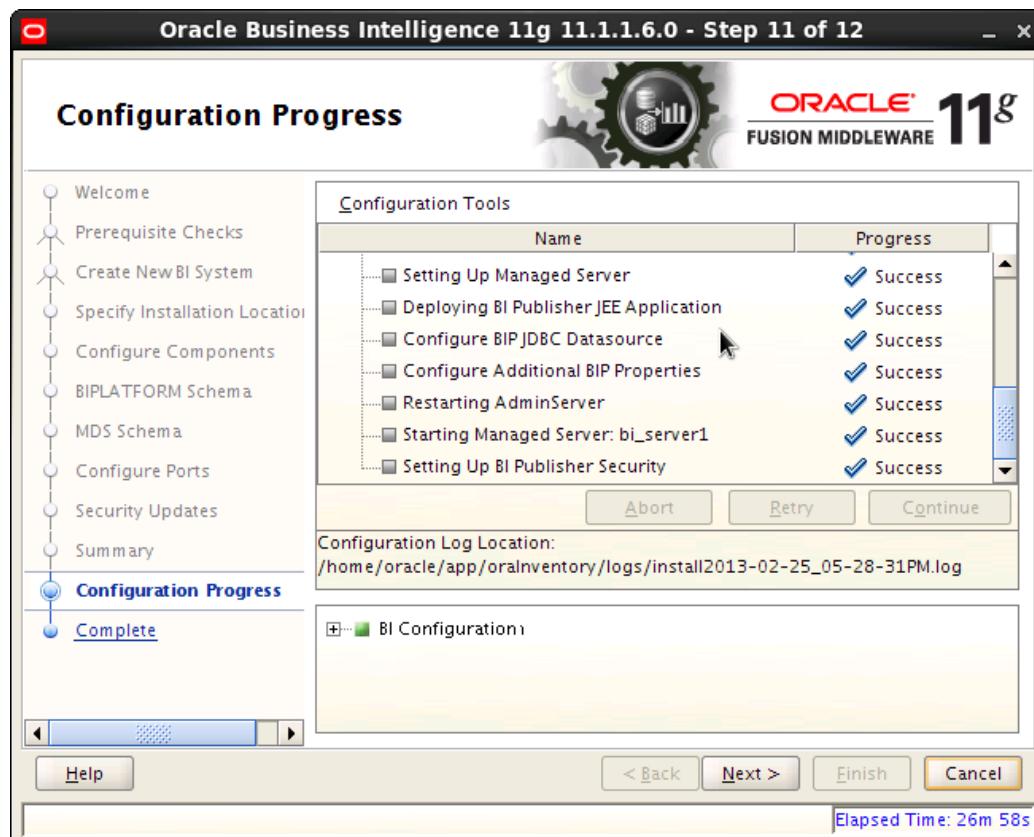
18. Click **Next**. The following window is displayed.

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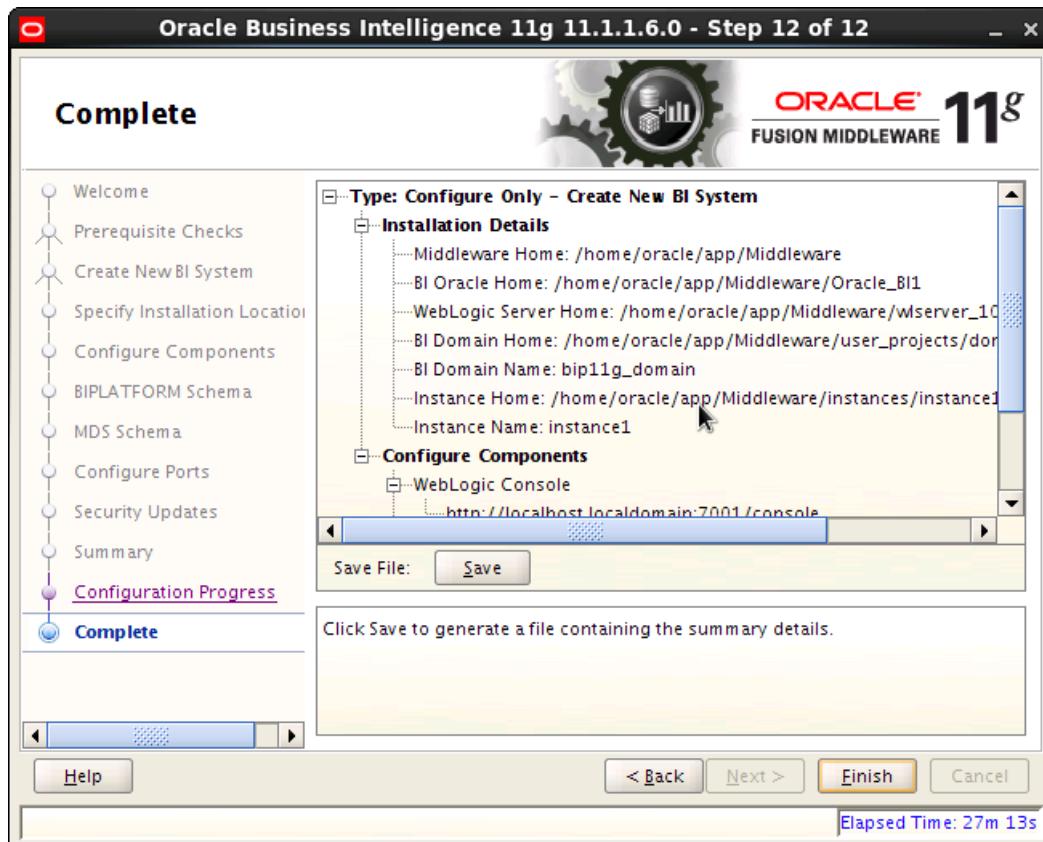
19. Click Finish.

20. The application will create a new domain for BI Publisher with the details as highlighted in the above screen.

21. The domain bip11g_domain is created on admin port 7001 and the managed server bi_server1 on port 9704.

22. Launching URL for BI Publisher is http://hostname:port9704/xmlpserver

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4. Creating Unique BI Publisher User

After configuring BI publisher, you must create a unique User ID.

To create User ID:

1. Login to BIP Domain (http://hostname:port/console).

2. Click **Security Realms** and then select **myrealm**.

3. Select **Users** under **Users and Groups**.

4. Click New. The following window is displayed.
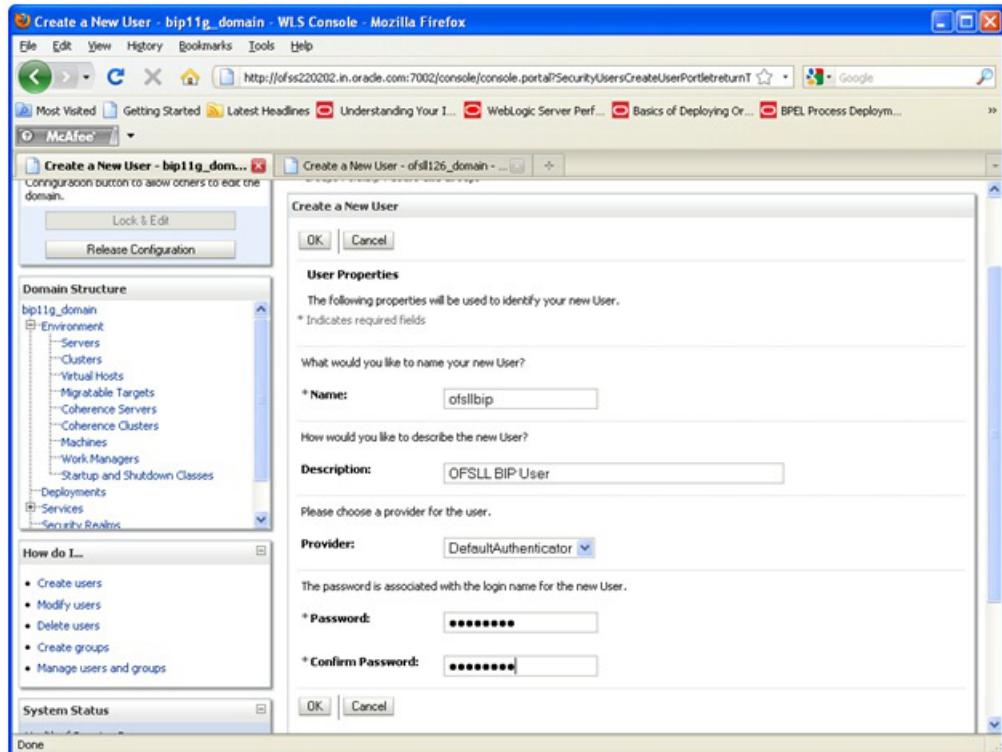
Field	Action
Name	Specify a valid name you need to maintain as User
Description	Provide description to the specified user
Provider	Select a provider for the user, from drop-down list.
Password	Specify a valid password you need to assign to the specified user.
Confirm Password	Retype the password to confirm it.

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5. Click OK. The following window is displays the new User ID, which was created.

6. Click on the User you created and click **Groups** tab. The following window is displayed

7. Select the Group to which you wish to assign the User, from the list provided under **Parent Groups Available**. Select the following options and click the right arrow.

-   BIAuthors
-   BIConsumers

8. Click **Save**. The User is now mapped to the Group.

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5. Creating BI Publisher Datasource

Create Data Source with JNDI as **jdbc/ofsllbipdb** on BI Publisher Domain i.e.
bip11g_domain as discussed in '*Data Source Creation*' chapter of '*Application Installation Guide*'. Target the datasources to **bi_server1**.

1. The console URL is http://hostname:port/console.
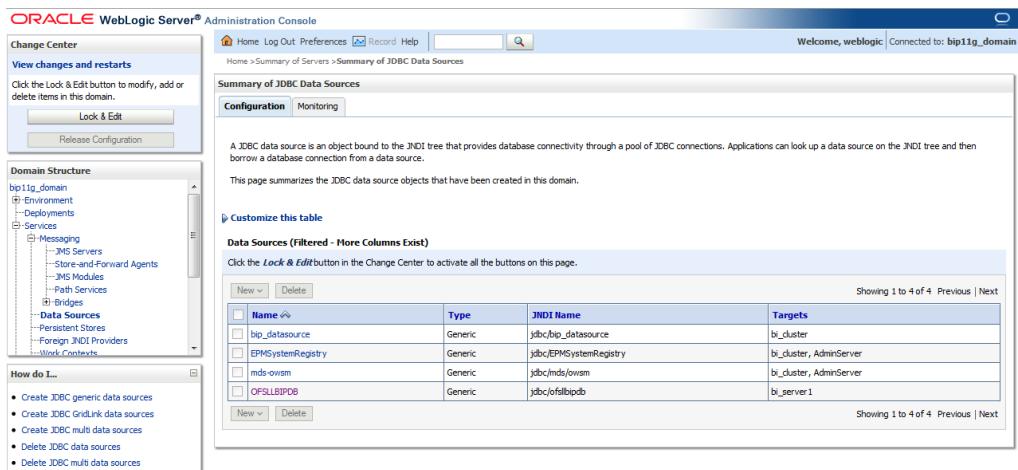

2. Then launch http://hostname:port/xmlpserver. The following window is displayed.
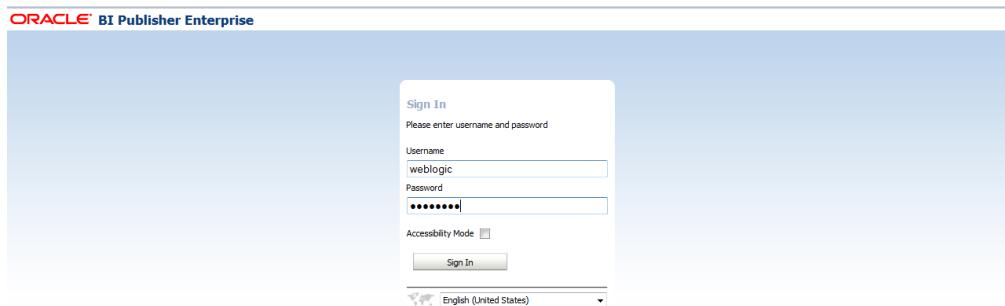

3. Login using the same credentials as WebLogic administration console to login.

4. The following window is displayed.

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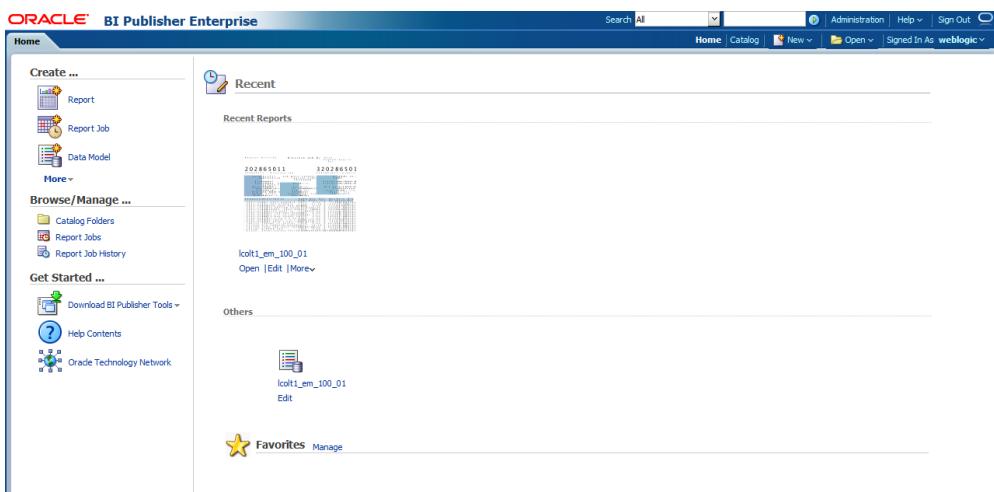
5. Click **Administration** in the header section. The following window is displayed.
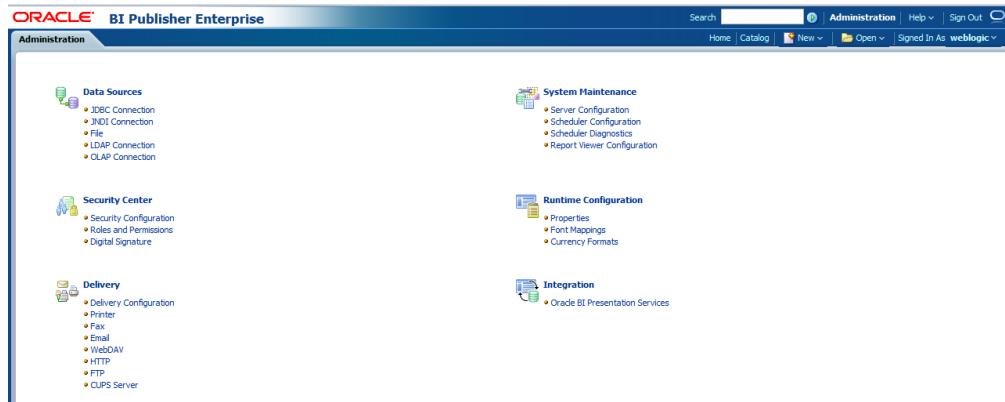
6. Click **JNDI Connection**. The following window is displayed
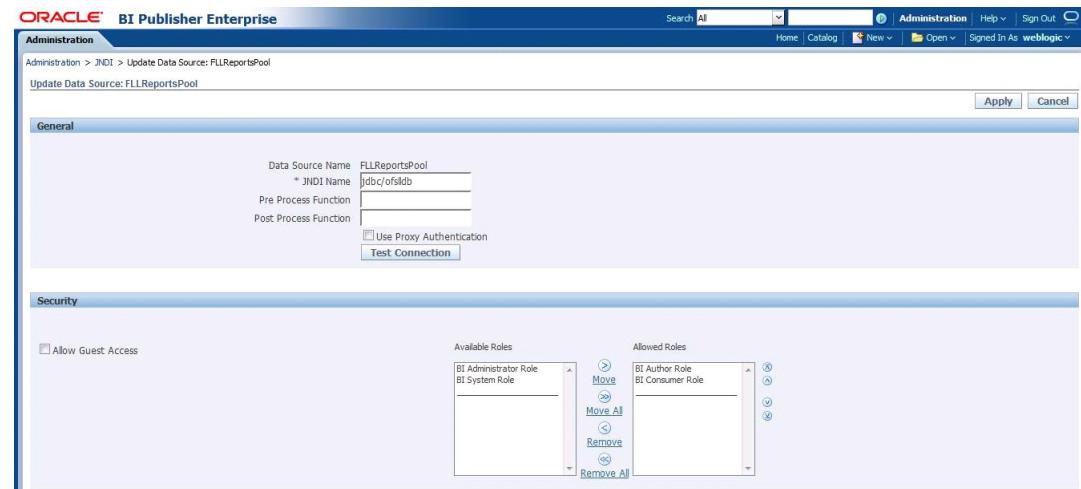
7. Add Data Source **FLLReportsPool** with JNDI as **jdbc/ofsllbipdb**.

8. Under **Security** section, select **BI Author Role** and **BI Consumer Role** from **Available Roles** and assign them as **Allowed Roles.**

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6. Importing Reports to BI Publisher Server

To import reports to BI Publisher Server:

1. Copy and extract the OFSLLReports.zip file to local area.

   Assume you have extracted to /oracle/app/OFSLLReports

   It extracts two folders datamodels and reports to /home/oracle/app/OFSLLReports

2. Extract the /oracle/app/Middleware/Oracle_BI1/clients/bipublisher /BIPCatalogUtil.zip to /oracle/app

   Run following command

   unzip /oracle/app/Middleware/Oracle_BI1/clients/bipublisher/BIPCatalogUtil.zip to /oracle/app

   It creates the folder structure as follows.

   /home/oracle/app/BIPCatalogUtil/bin

   /home/oracle/app/BIPCatalogUtil/config

   /home/oracle/app/BIPCatalogUtil/lib

3. Set the environment variables as below.

export BI_HOME	/oracle/app/Middleware/Oracle_BI1 (where we have installed BI Publisher)
export BI_UTIL_HOME	/home/oracle/app/BIPCatalogUtil (Path where BIPCatalogUtil.zip is extracted)
export path	$BI_UTIL_HOME/bin:$path
export BIP_LIB_DIR	$ BI_UTIL_HOME/lib
export BIP_CLIENT_CONFIG	$BI_UTIL_HOME/config
export JAVA_HOME	$BI_HOME/jdk/bin

4. Edit $ BIP_CLIENT_CONFIG/xmlp-client-config.xml

   set your bip instance URL, username and password.

   Sample xmlp-client-config.xml

```xml
<?xml version="1.0" encoding="UTF-8"?>
<!DOCTYPE properties SYSTEM "http://java.sun.com/dtd/properties.dtd">
<properties>
        <comment>BIP Server Information</comment>
    <entry key="bipuri">http://localhost:9704/xmlpserver/</entry>
        <entry key="username">weblogic</entry>
    <entry key="password">welcome1</entry>
</properties>
```

5. Run following command.

   $BI_UTIL_HOME/bin/BIPCatalogUtil.sh -import basedir=<folder where files are extracted> subfolders=true overwrite=true

   Example: $BI_UTIL_HOME/bin/BIPCatalogUtil.sh -import basedir=/home/oracle/app/OFSLLReports subfolders=true overwrite=true

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6. To verify whether the import is successful, launch report using http://hostname:port/ xmlpserver


7. Login using the same credentials as WebLogic administration console.

8. The following window is displayed.
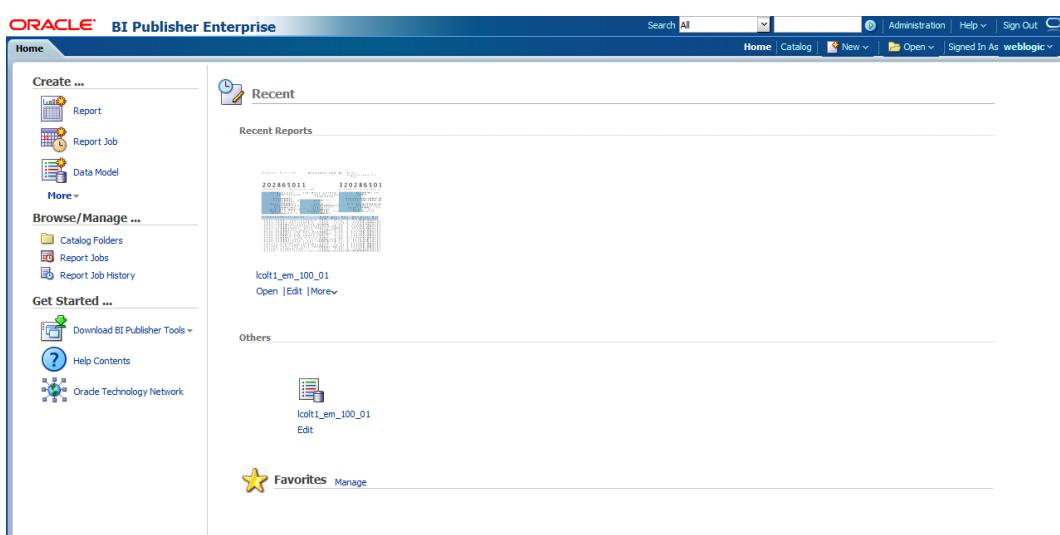
9. Click Catalog on the header. The following window is displayed with the directory structure on the left pane.
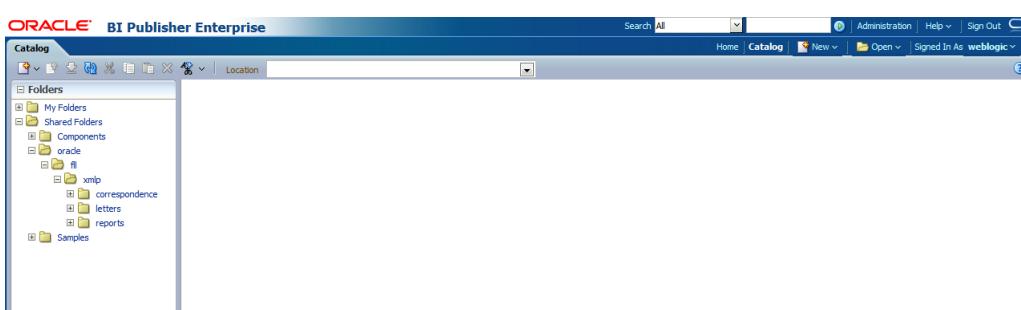
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10. Click any folder to see the list of reports under the directory. The following window is displayed.
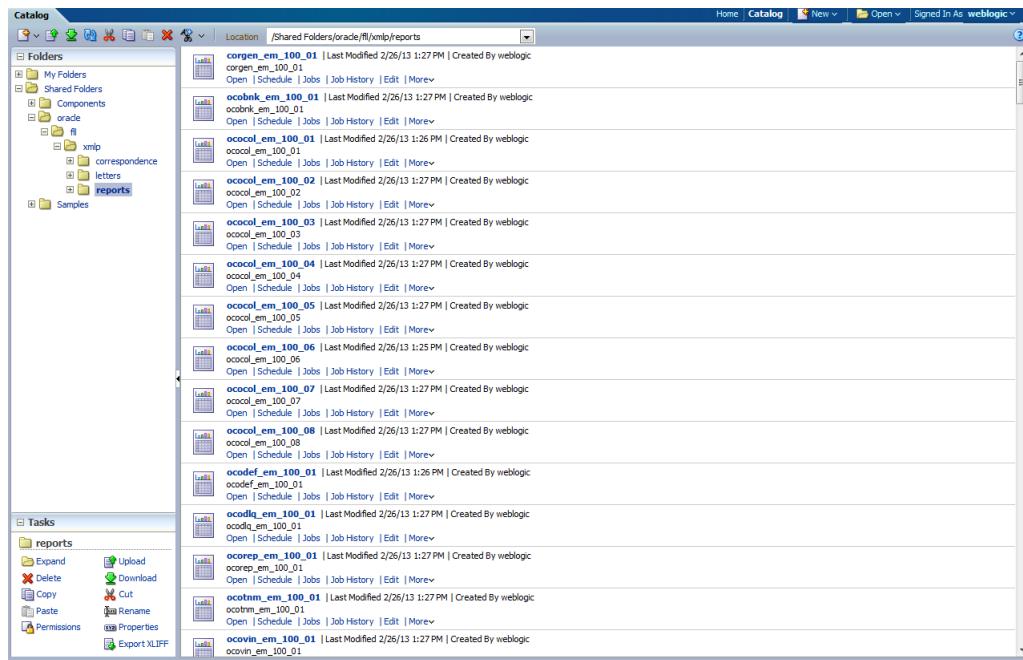
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