OBIEE 11.1.7.0 Step by step installation on Linux (RHEL – Red Hat)

30th December 2013

1. Hardware Requirements
2. Download of Installation Files
3. Prerequisites
4. Creation of the Middleware Home directory
5. Libraries for Linux Red Hat
6. Ulimits
7. Creating an RCU on Database
8. OBIEE 11.1.1.7 Installation

- Unzip the installation files on Linux box
- Start the installation process
- Specify inventory directory
- Installer starts main GUI for installation

    - Step 1: Installer release Notes etc
    - Step 2: Software updates
    - Step 3: Installer Type: Simple Install
    - Step 4: The prerequisite checks starts here
    - Step 5 : Specify Installation Location
    - Step 6: Weblogic User and Scale Out
    - Step 7: Select Components to Install
    - Step 8: Fill in Database Details related to RCU Created
    - Step 9: Oracle Security Updates
    - Step 10: Generate a Response File (Silent Install File) & Summary
    - Step 11: Installation Has Started Copying Of Files
    - Step 12: Installation Has Started Configuring OBIEE
    - Step 13: Installation Result Summary Screen
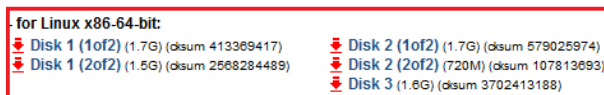
I. Hardware Requirements

Hard Disk required around 40 GB (Including installation files etc)
RAM = 4 GB Minimum

II. Download the installation files

http://www.oracle.com/technetwork/middleware/bi-enterprise-edition/downloads/bi-downloads-1923016.html
[http://www.oracle.com/technetwork/middleware/bi-enterprise-edition/downloads/bi-downloads-1923016.html]

for Linux x86-64-bit:
Disk 1 (1of2) (1.7G) (cksum 413369417)   Disk 2 (1of2) (1.7G) (cksum 579025974)
Disk 1 (2of2) (1.5G) (cksum 2568284489)   Disk 2 (2of2) (720M) (cksum 107813693)
                                              Disk 3 (1.6G) (cksum 3702413188)

[http://4.bp.blogspot.com/-4ap-1E36T_8/UsFChols0tI/AAAAAAAAAYY/RR-UWDOCQ8w/s1600/Linux+x86-64-bit.png]

Libraries for this installation are available from here if any are missing.
http://linux1.fnal.gov/linux/scientific/5x/x86_64/SL/ [http://linux1.fnal.gov/linux/scientific/5x/x86_64/SL/]

III. Prerequisite

On Linux, running Oracle Business Intelligence 11.1.1.6 Installer as the root user is not supported.
Make sure there is a user available with the oinstall group and dba group memberships assigned.

Create MiddlewareHome Directory in a location where there is sufficient space available.
Use the command **df –h** to check space available to you for the install and space for the installation files.

When you have found the directory where you would like to install then create a middleware home.

IV. Creation of Middleware Home Directory

Log in as root and make a new directory as follows,
mkdir -p /MiddlewareHome
chown -R wishtree:oinstall /MiddlewareHome
chmod -R 775 /MiddlewareHome

When installation starts it will run a prerequisite check on the system to make sure all libraries needed for the install are available. You can either use YUM or the above link in the document to download the required libraries identified during the prerequisite check.

V. Libraries for Linux

If Libraries need to be installed cancel the install – Download and install the libraries using the commands below:
To install: rpm –ivh <package_name>

VI. Ulimits

Set the Ulimit Parameters (Soft and Hard Limits)
set the /etc/security/limits.conf file
oracle soft nofile 4096
oracle hard nofile 65536

If you have set the Ulimits in the conf file above then the Linux instance will need a bounce for the settings to be set on boot up.

To set ulimit, you can execute the below command, log in as root,
Ulimit -n 4096

To see if you have set the ulimit correctly the command to use is :
ulimit –a | grep open

VII. Creating an RCU on Database

As we are running OBIEE on Linux 64 Bit platform, we have to create the RCU from a Windows Machine. We are using windows 7 for this. This utility can be run any time prior to the OBIEE installation and the database user must have sysdba privilege on the required database. Database version we are using is 11.2.0.2.0.

1. Start rcu.sh

[http://2.bp.blogspot.com/-WyKcupi2Wfg/UsFLXsLcQPI/AAAAAAAAAaM/VtqkE6XtBCs/s1600/Screenshot.png]

2. Click **Next**.

[http://4.bp.blogspot.com/-Iy3BsTyFb0U/UsFLX2ViyXI/AAAAAAAAAaU/mT00DBSSi_s/s1600/Screenshot1.png]

3. Fill in the relevant details.
   This can be found in the tnsnames.ora file for the database that you want install the RCU on.
   Click **Next**.
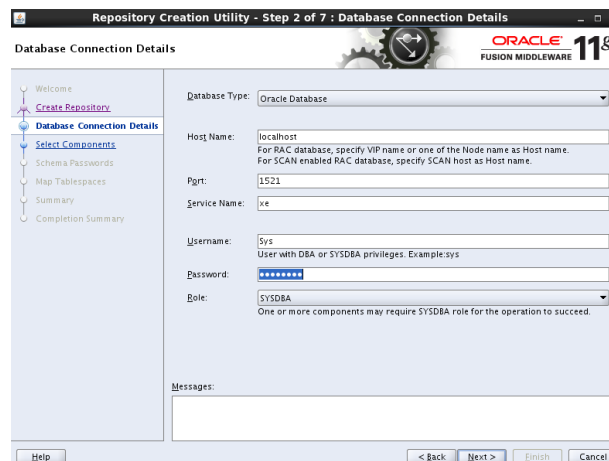
[http://2.bp.blogspot.com/-8beJ9Di0k8k/UsFLTjcYe2I/AAAAAAAAAY8/ZR0iHMRRoSM/s1600/Screenshot-1.png]

4. **Ignore** the Warning for database supported versions.

[http://2.bp.blogspot.com/-7r80DNvQ3Ss/UsFLU3g1kWI/AAAAAAAAAZQ/ib0kTyBe3lU/s1600/Screenshot-3.png]
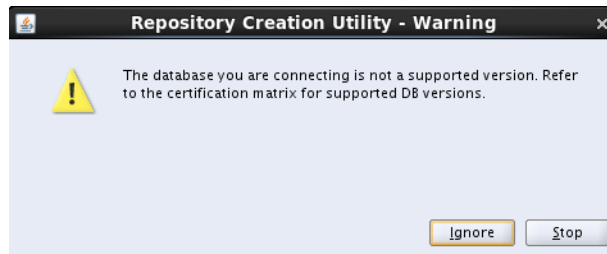
5. Select **Create** to create a new schema in database.

[http://3.bp.blogspot.com/-bFMhNhllWqc/UsFLU_D8pTI/AAAAAAAAAZs/qTYnZEPnx28/s1600/Screenshot-2.png]

6. Click **Ok** when operation is completed.
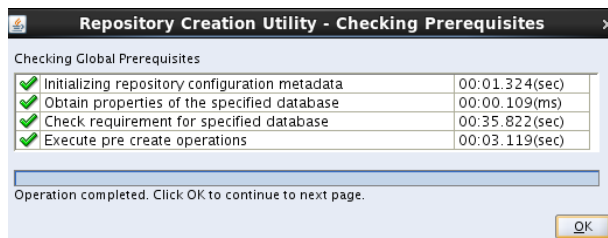
[http://2.bp.blogspot.com/-ATWaa1MkS_E/UsFLVZPeBXI/AAAAAAAAAZY/eKABIV4Lryk/s1600/Screenshot-4.png]

7. Click Oracle Business Intelligence and click **Next**. Make a note of the Prefix.
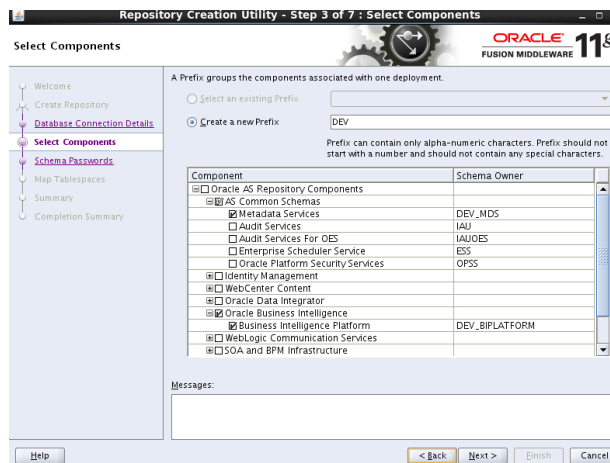
[http://3.bp.blogspot.com/--
duU_OE47C8/UsFLV5kBbnI/AAAAAAAAAZo/gkLQnE7ooDo/s1600/Screenshot-5.png]

8. Click **Ok** when operation is completed.
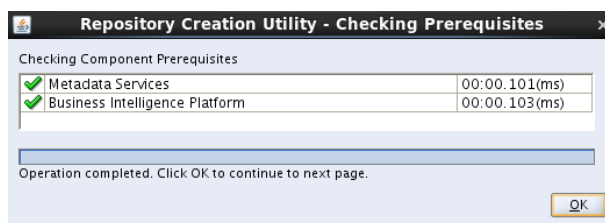
[http://3.bp.blogspot.com/-
cc1mSFUEKSc/UsFLVwd4XyI/AAAAAAAAAZk/_dh9dzrF81M/s1600/Screenshot-6.png]

9. Select Use passwords for all schema. Set the password for both the schema which you are going to create in your database.
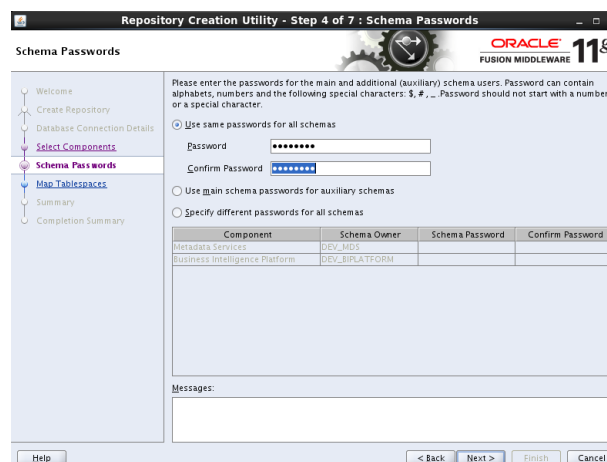
[http://3.bp.blogspot.com/-8c_LTY9_OKQ/UsFLWajoh2I/AAAAAAAAAaE/DR0z20imVzw/s1600/Screenshot-7.png]

10. Make a note of your schema Owners and Click **Next**.
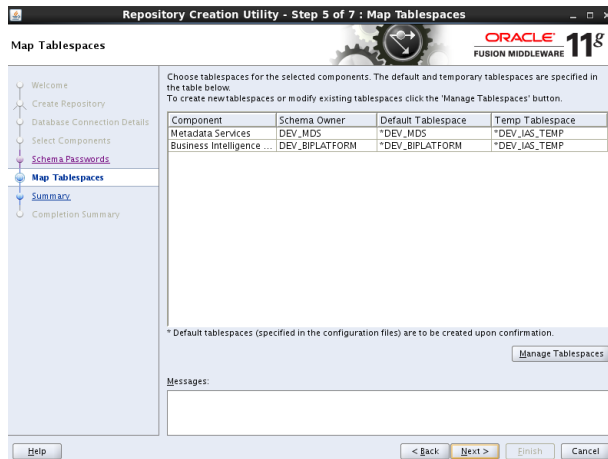
[http://3.bp.blogspot.com/-
OY7K8HHsR10/UsFLWvkLbUI/AAAAAAAAAaI/UBUrEBLYnMM/s1600/Screenshot-8.png]

11. Click **Ok** to confirm the Tablespaces.

[http://4.bp.blogspot.com/-
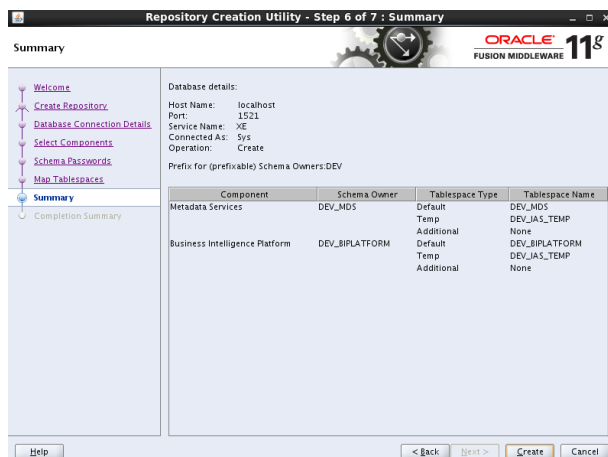VERX4znvhJ8/UsFLW_zMe1I/AAAAAAAAAZ8/69Yhwdn7aWM/s1600/Screenshot-9.png]

12. Create **Ok** when operation completed.
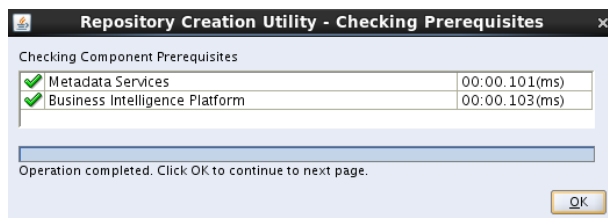
[http://3.bp.blogspot.com/-
cc1mSFUEKSc/UsFLVwd4XyI/AAAAAAAAAZk/_dh9dzrF81M/s1600/Screenshot-6.png]

13. Make sure summary is ok and you have taken down all notes and click **Create**.

[http://4.bp.blogspot.com/-
squ8cj5T58E/UsFLTvc89NI/AAAAAAAAAZA/z2jQD4xk1Es/s1600/Screenshot-11.png]

14. You will get a completion Summary. Click **Close**.

[http://1.bp.blogspot.com/-6X3ovqDX3Bk/UsFLUrJEfpI/AAAAAAAAAZI/LMYP741Dnjs/s1600/Screenshot-12.png]
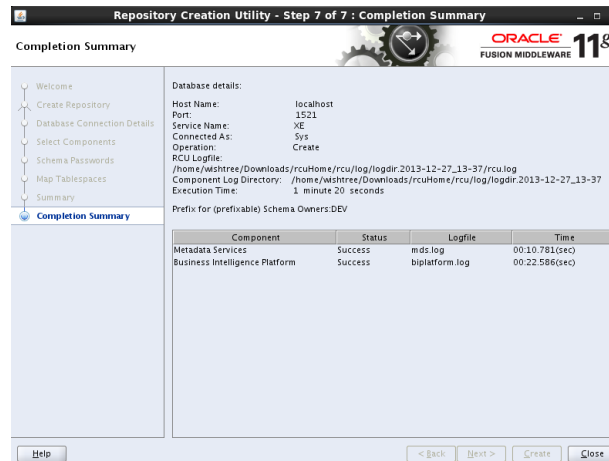
That's it. If you login to your database, you will see 2 schemas with their objects have been created ready to support your OBIEE main installation.

VIII. OBIEE 11.1.1.7.0 Installation

Unzip the installation files on the Linux box

When you issue the first unzip command it will create a bishiphome directory and with increate sub directories for the disks.

If you do not have enough disk space on the Linux box you can keep deleting the installation zip files after you unzip them.

1. Navigate to the following directory on the server.
   Initiate the installation by giving the following command on the server,
   ./runInstaller

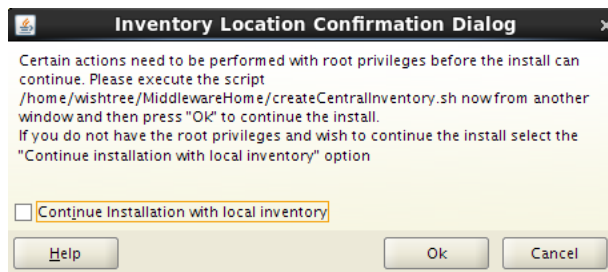[http://3.bp.blogspot.com/-
OAPNoMJLpPY/UsFSqlDtE9I/AAAAAAAAAcg/8qc6Snn7CjE/s1600/Screenshot.png]

2. Specify Inventory directory.
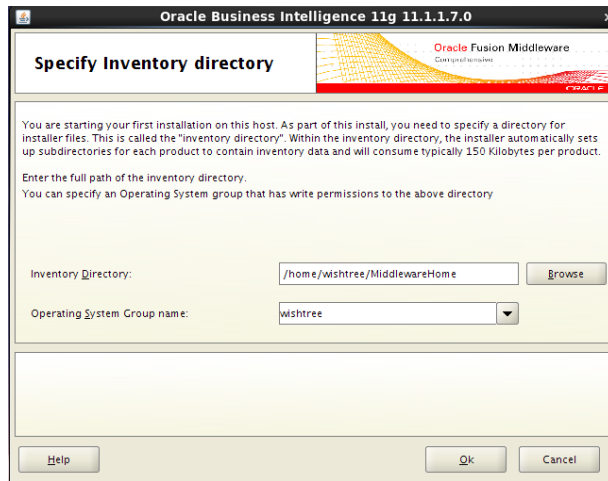
[http://2.bp.blogspot.com/-
TvD1PGMkWvs/UsFSjvTb_8I/AAAAAAAAAa0/QnGZ2G0v9SI/s1600/Screenshot-1.png]
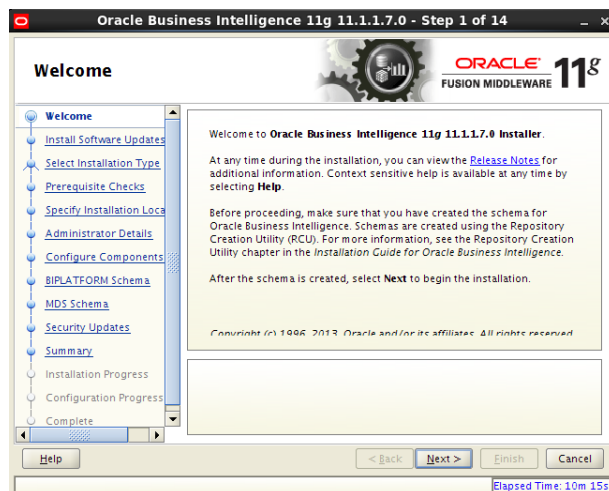
3. Deselect "**Continue installation with local inventory**" and then **Ok**.

[http://2.bp.blogspot.com/-W-
wAksw6acE/UsFSnQ7wagI/AAAAAAAAAbk/xwQdFjDySJs/s1600/Screenshot-2.png]

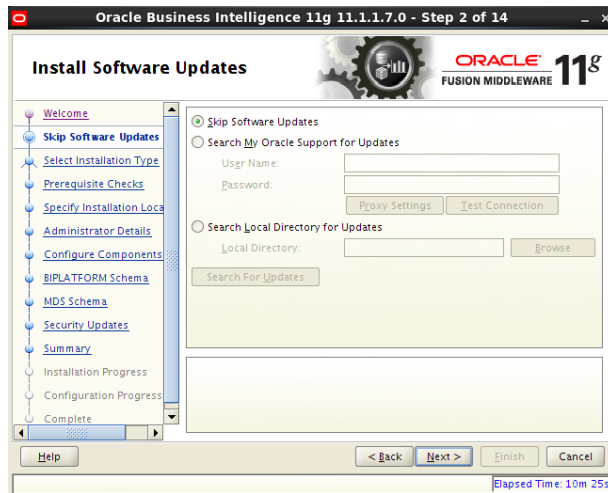4. Step 1: Install release notes, etc. Click **Next**.

[http://3.bp.blogspot.com/-Kcd3j-
MXW3w/UsFSn8jSYII/AAAAAAAAAbw/hA9RkR5W9vY/s1600/Screenshot-3.png]

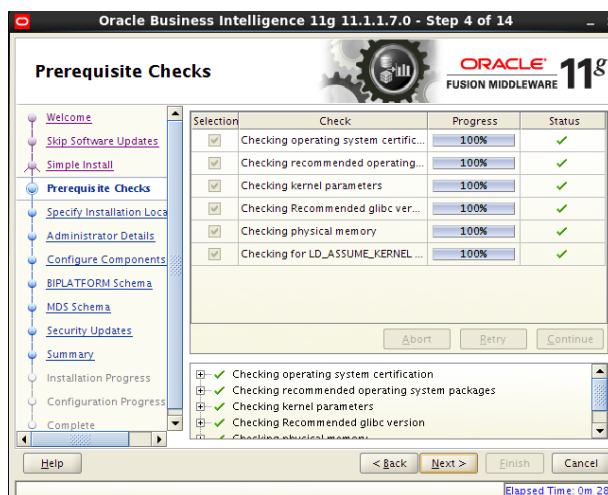5. Step 2: Skip Software updates if you want and click **Next**.

6. Step 3: Click Simple install and click **Next**.
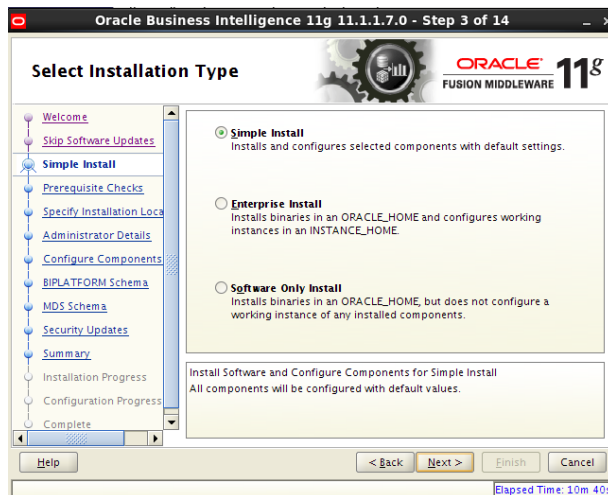
7. Step 4: If any prerequisite check fails, then Cancel the installation, make them correct and restart the installer. If succeed, click **Next**.

8. Step 5: Point to Middleware Directory Created earlier on install guide. And Click **Next**.

[http://3.bp.blogspot.com/-
b9x9Ml35NDY/UsFSo8MT5UI/AAAAAAAAAcA/FtnflkJg7x4/s1600/Screenshot-6.png]
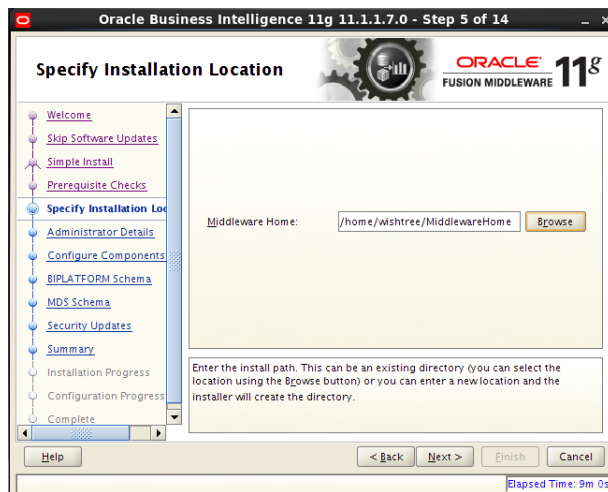
9. Step 6: Fill in Weblogic and your password. Click **Next**.

[http://4.bp.blogspot.com/-
YCjdLQzCQY4/UsFSpNVubRI/AAAAAAAAAcU/Nflh9hk7a7c/s1600/Screenshot-7.png]
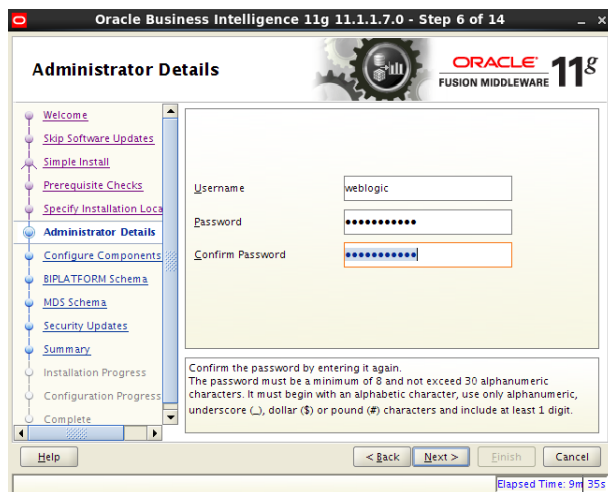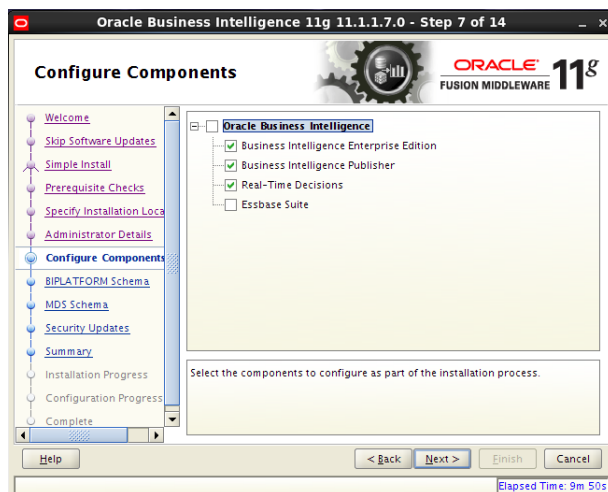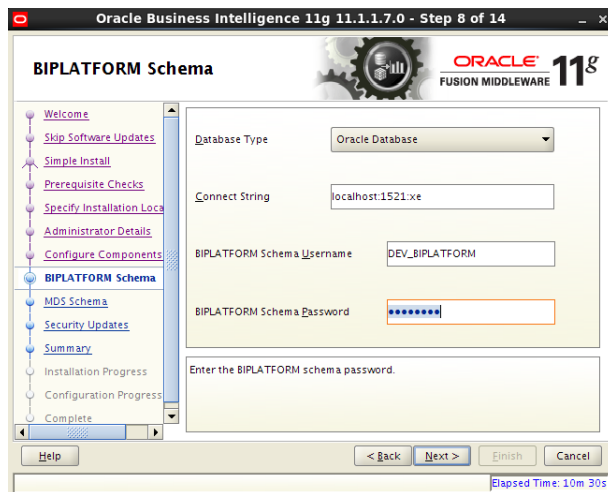
10. Step 7: Select components to install. Click **Next**.

[http://4.bp.blogspot.com/-
ILR7B81HK0o/UsFSpIcwfJI/AAAAAAAAAcc/PZug_2aG5EU/s1600/Screenshot-8.png]

11. Step 8: Fill in Database Details related to RCU Created. (For **DEV_BIPLATFORM**)

[http://2.bp.blogspot.com/-
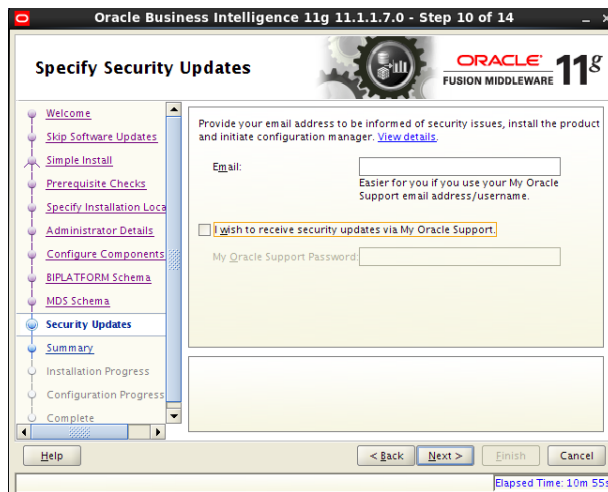LJdrgyDvuWE/UsFSptqUZJI/AAAAAAAAAcY/yiVROfUYW44/s1600/Screenshot-9.png]

The same for MDS and & BIPLATFORM schemas created in RCU Process.
Fill in Database Type : Oracle Database Connect String : Description as above.
BIPLATFORM : Schema as created when creating RCU and password used.
Click **Next.**

12. Click Next for **DEV_MDS** schema accepting defaults. Click **Next**.

[http://4.bp.blogspot.com/-
bZostJrr_hA/UsFSjvKO5xI/AAAAAAAAAaw/xXUxF4Aqm-A/s1600/Screenshot-10.png]

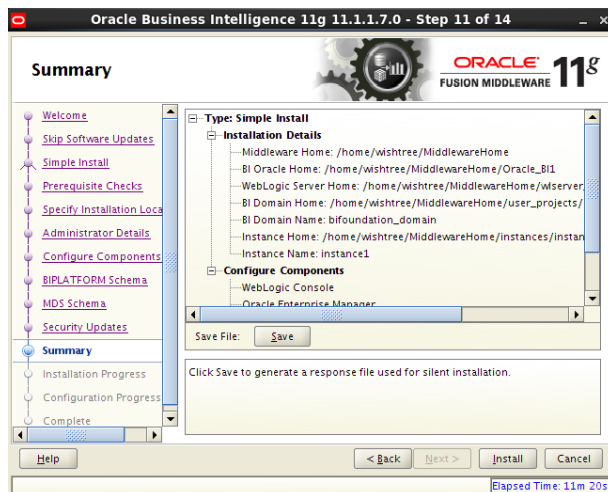13. Step 9: Deselect Support check box as follows and Click **Next**.

[http://4.bp.blogspot.com/-
qNxLtTmNtHU/UsFSjswONTI/AAAAAAAAAas/tMty7M1HMko/s1600/Screenshot-11.png]

14. Click **Yes**.

[http://2.bp.blogspot.com/-
VcwA0DPZvd0/UsFSkh4LD8I/AAAAAAAAAa8/toDwnbfRlvg/s1600/Screenshot-12.png]

15. Step 10: Generate a response file (Silent Install File) & summary.

[http://4.bp.blogspot.com/-
HJ2xgAsfy_M/UsFSlv7LoII/AAAAAAAAAbE/44pHsXeNKik/s1600/Screenshot-13.png]

Here you can generate a response file (Silent Install File) Click **Save**.
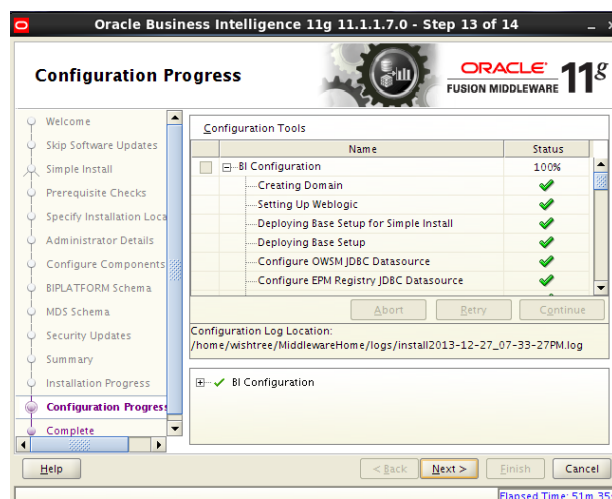You can use this file for another installation if needed.

16. Step 11: Click **Install**.

[http://3.bp.blogspot.com/--zxmHY3T6pI/UsFSmyR-
vzI/AAAAAAAAAbY/SoRsO5vGJGc/s1600/Screenshot-14.png]

Install stage of copying files has started, post install scripts and one off patches etc.
Once at 100% the copying is complete.

17. Step 12: Installation has started configuring OBIEE.

[http://2.bp.blogspot.com/-
mLYXQ5kMNio/UsFSmkIE6qI/AAAAAAAAAbQ/-Zf1Dc2OwDs/s1600/Screenshot-15.png]

This is where the Installer is Configuring OBIEE 11.1.1.6 and Weblogic and Fusion
Middleware etc. Make sure everything is Success, and then only everything will be working as
expected. Click **Next**.

18. Step 13: Installation Result Summary screen.

[http://4.bp.blogspot.com/-
ed49pbjoQ4w/UsFSnLm3CLI/AAAAAAAAAcE/ZlhZtdF24kk/s1600/Screenshot-16.png]
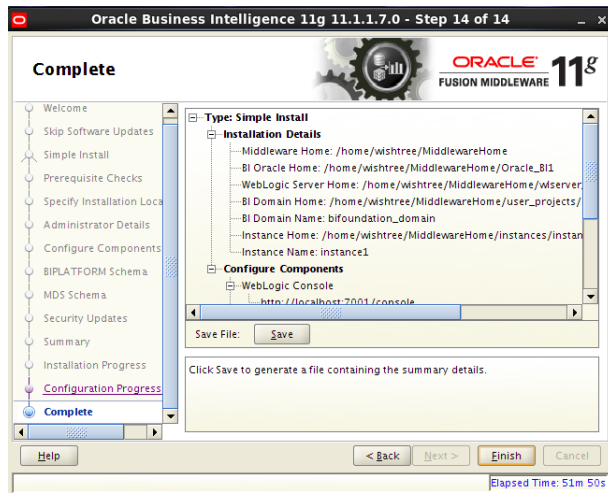
Save the Completion Summary to the box and copy all the URL's Needed etc to launch OBIEE.
That's it for the installation. Run the EM makes sure everything is ok.

19. Test your URL's from your completion summary and everything is up and running.

Posted 30th December 2013 by Sagar Tippe

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