# Oracle FLEXCUBE Information Server Environment Setup

## Oracle FLEXCUBE Universal Banking

### Release 12.0.3.0.0

[April] [2014]

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# 1.    Oracle FLEXCUBE Information Server Environment Setup

## 1.1    Introduction

This document explains the steps for one time installation of Oracle FLEXCUBE Information Server reporting. The setup consists of the following two schemas that can be created on either same or different servers:

- FIC-HOST – This is set up by the Oracle FLEXCUBE Universal Banking Installer
- FIC-REPORTING - This is set up manually.

One section of this document explains the steps to create FIC-REPORTING schema and the grants/rights required in Oracle FLEXCUBE and FRS Reporting schema if the setup is done on two schemas of the same database. The other section of his document covers all the steps needed to setup the transportable tablespace functionality. Transportable tablespace is used in the scenario where FIC-HOST and FIC-REPORTING schemas are on different servers/databases in the Oracle FLEXCUBE Information Server environment

## 1.2    Oracle FLEXCUBE Information Server Setup on Same Instance

### 1.2.1    Prerequisites

Following are the prerequisites for creating the database

1. Be ready with the Oracle FLEXCUBE schema. This schema is henceforth referred as the source schema.

2. Prepare the Oracle FLEXCUBE Reporting Schema (FRS). This is henceforth referred as the target schema.

3. In the source schema, grant the following privileges for running the scripts:

   Grants 1.txt

### 1.2.2    Creating Oracle FLEXCUBE Reporting Schema (FRS)

You need to create a new Oracle FLEXCUBE Reporting Schema in the database of Oracle FLEXCUBE. This schema is henceforth referred as the target schema.

Once the schema is created, compile the objects in following locations:

**DDLs -** MAIN\DATABASE\FIC

**SVN -** FCUBS 12.0.2.0.0\FIC-REPORTING

### 1.2.3    Executing Scripts

Once the schemas are ready and the privileges are granted, you need to run the required scripts in the source and target schema.

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The installer script of the source schema has dependency on the target schema tables. You must first run successfully the script for the target schema.

### 1.2.4  Executing Script in Target Schema

The user who has logged into the target schema should have the necessary rights to create public synonyms and grant permissions.

Once you have logged in, run the following script in the target schema.

FIC-REPORTING-1.sql

### 1.2.5  Executing Script in Source Schema

The user who has logged into the source schema should have the necessary rights to create public synonyms and grant permissions.

Once you have logged in, run the following script in source schema.

FIC-HOST-1.sql

### 1.2.6  Execution of Invalids

Once the above scripts are executed in the corresponding schemas, compile the invalid objects in both the schemas as the objects are inter-dependent.

It is only after the objects in FRS schema are in place and all the public synonyms and their grants have been created that all packages, procedures and functions will compile and be ready for use. This especially applies to the procedure Schedule_Batch_Jobs, compiled in Oracle FLEXCUBE schema, which has direct dependency on public synonym MDTB_BATCH_INFO of the same table name situated in FRS Schema.

### 1.2.7  Installing dynamic packages and configuring batch in Source Schema

Run the below script in source schema. This will install the dynamic packages and will configure the intraday batch.

FIC-HOCT-2.sql

### 1.2.8  Updating MDTB_BATCH_INFO table with the source and target details:

Run the update statement on MDTB_BATCH_INFO in target schema for the following columns:

mdtb_batch_update.sql

Proceed directly to section 1.4 after finishing the above setup.

## 1.3  Oracle FLEXCUBE  Information Server Setup on Different Instances

### 1.3.1  Prerequisites

Following are the prerequisites for creating the setup

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1. Be ready with the Oracle FLEXCUBE schema. This schema is henceforth referred as the source schema.

2. Prepare the Oracle FLEXCUBE Reporting Schema (FRS). This is henceforth referred as the target schema.

3. In the source schema, grant the following privileges for running the scripts and to enable tablespace export permissions:

   Grants_Src.txt

4. In the Target schema, grant the following privileges for running the scripts and code for enabling the TTS functionality:

   Grants_Tgt.txt

5. The Source Platform (FIC-HOST) and Target Platform (FIC-REPORTING) should be compatible in terms of Endian Format in case the platforms are different. If this is not the case then we first have to make the Endian format of the data-file belonging to the tablespace we want to transport, same.

6. The source and target database must use the same character set and national character set.

7. It has to be made sure that all the objects to be imported via the tablespace are present in that tablespace and that the tablespace is self contained, which means that all the constraints of the tables should also be in the same tablespace. Currently this functionality supports movement of only one data-file. The create tablespace script has been attached for reference along with the script to grant quota on that new tablespace and to move the Staging tables from the default tablespace to the newly created tablespace.  The 'create_new_tablespace_script.sql' and 'grant_quota_on_new_tablespace.sql' files should be run from SYS user and  'StgTablesMoveToNewTablespace.sql' should be run from Oracle FLEXCUBE user. Please make sure to put  'AUTOEXTEND ON' for the tablespace datafile

   create_new_tablespace_script.sql

   grant_quota_on_new_tablespace.sql

   StgTablesMoveToNewTablespace.sql

8. FOLLOWING DIRECTORIES MUST BE CREATED ,also Grant read, write, execute on all the below oracle directories to their respective Source and Target schemas
   - SOURCE_DB_BACKUP_DIR (To be created on Source Db Schema(Oracle FLEXCUBE Schema) where backup is taken)
   - TARGET_DATA_DIRECTORY (To be created on Target Db server (FRS Schema). This is where the data-file of the imported tablespace gets created)
   - TARGET_DUMP_DIRECTORY (This directory should point to folder location in target server(FRS Schema).  where dump file copied from source db is copied)
   - SOURCE_DATA_DIRECTORY (This directory should point to folder location where data file of the Tablespace to be exported resides in the source database(Oracle FLEXCUBE Schema))
   - SOURCE_DUMP_DIRECTORY(This directory should point to folder location where the exported dump file is created after tablespace export(Oracle FLEXCUBE Schema))

9. Following  DATABASE LINKS must be created: Use the attached Database Link creation script

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[DB_Link_Creation_Script.sql](DB_Link_Creation_Script.sql)

- A database link from target to source referring Oracle FLEXCUBE schema.
- A database link from source to target referring FRS schema.

10. All the necessary parameters in table MDTM_OTHER_PROGRAM_INFO against the PROGRAM_NAME=' PRG_TTS_JOB' have to be updated. The parameter_name column values are fixed but caution must be taken to populate the parameter_value columns as per the environment set up. Kindly use the 'update_tts_program_info.sql' file below to execute the update and MDTM_PTHER_PRORGAM_INFO_UPDATE.xlsx for reference and info. Please see in which order the updates have to run and what values have to be updated according to environment. Make sure that parameters for data file and dump file for Source and Target should be same.

[MDTM_OTHER_PROGRAM_INFO_UPDATE](MDTM_OTHER_PROGRAM_INFO_UPDATE)

[update_TTS_program_info.sql](update_TTS_program_info.sql)

11. The ENABLED_FLAG column value for scheduler programs, PRG_COMPILE_FRS and PRG_TTS_JOB should be updated to from 'N' to 'Y'  in the table MDTM_SCHEDULER_INFO

12. The following units must have been compiled in the respective schemas of the two database servers in order for synonyms to be created properly.

1. Units Compiled In Oracle FLEXCUBE Schema:

- Procedure ALTER_TTS_READ_WRITE
- Procedure TTS_EXPORT
- Procedure INSERT_TTS_LOG

2. Units Compiled In FRS Schema:

- Procedure COMPILE_ALL_DYNAMIC_OBJECTS
- Procedure TTS_IMPORT
- Procedure INSERT_TTS_LOG
- Procedure TRANSPORT_TABLESPACE_WRAPPER

## 1.3.2 Creating Oracle FLEXCUBE Reporting Schema (FRS)

You need to create a new Oracle FLEXCUBE Reporting Schema in the database of Oracle FLEXCUBE. This schema is henceforth referred as the target schema.

Once the schema is created, compile the objects in following locations:

**DDLs -** MAIN\DATABASE\FIC

**SVN -** FCUBS 12.0.2.0.0\FIC-REPORTING

## 1.3.3 Executing Scripts

Once the schemas are ready and the privileges are granted, you need to run the required scripts in the source and target schema.

The installer script of the source schema has dependency on the target schema tables. You must first run successfully the script for the target schema.

### 1.3.4  Executing Script in Target Schema

The user who has logged into the target schema should have the necessary rights to create public synonyms and grant permissions. Once you have logged in, run the following script in the target schema. Use the appropriate Schema name and Database Link name (as created in Section 1.3.1(Prerequisites) Step 9) for parameters.

FIC-REPORTING-2.sql

### 1.3.5  Executing Script in Source Schema

The user who has logged into the source schema should have the necessary rights to create synonyms and grant permissions. Use the appropriate Database Link (as created in Section 1.3.1(Prerequisites) Step 9) and Schema names as parameters. Once you have logged in, run the following script in source schema.

FIC-HOST-3.sql

### 1.3.6  Execution of Invalids

Once the above scripts are executed in the corresponding schemas, compile the invalid objects in both the schemas as the objects are inter-dependent.

### 1.3.7  Installing dynamic packages and configuring batch in Source Schema

Run the below script in source schema. This will install the dynamic packages and will configure the intraday batch.

FIC-HOST-2.sql

### 1.3.8  Updating MDTB_BATCH_INFO table with the source and target details

Run the update statement on MDTB_BATCH_INFO in target schema for the following columns:

mdtb_batch_update.sql

## 1.4  RPD Changes

The RPD changes are not specific to the kind of EIS-MIS setup that has to be done(Same or different box). Therefore this section remains unchanged.

### 1.4.1  RPD Connection Changes

1.  Open RPD using OBIEE Administration Tool

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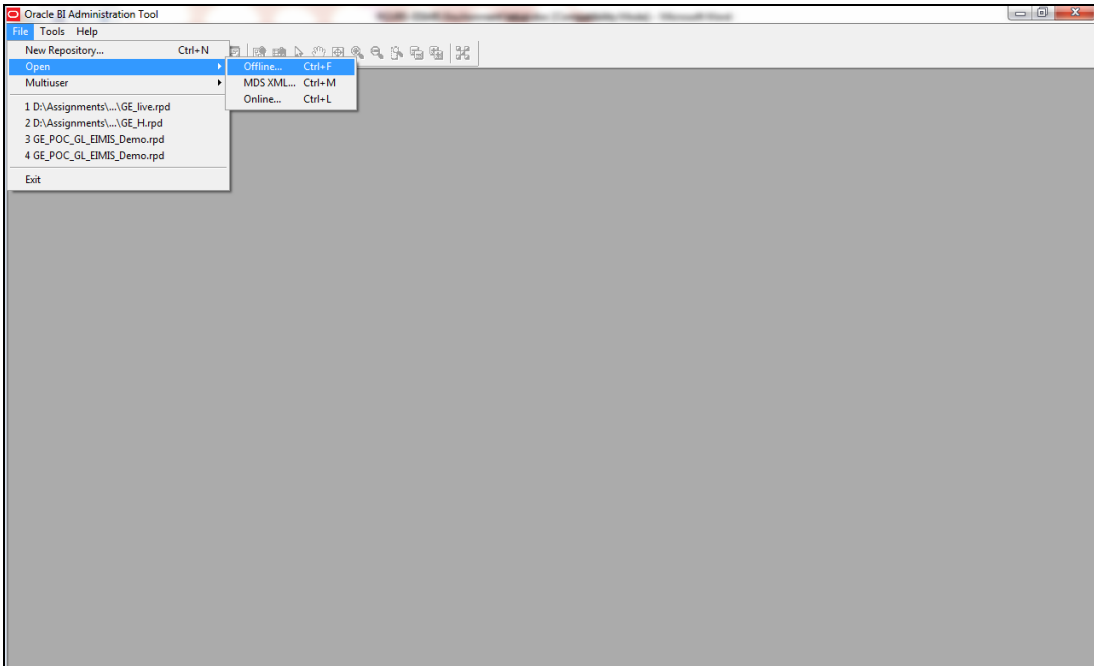
2. Enter Password: *weblogic123*
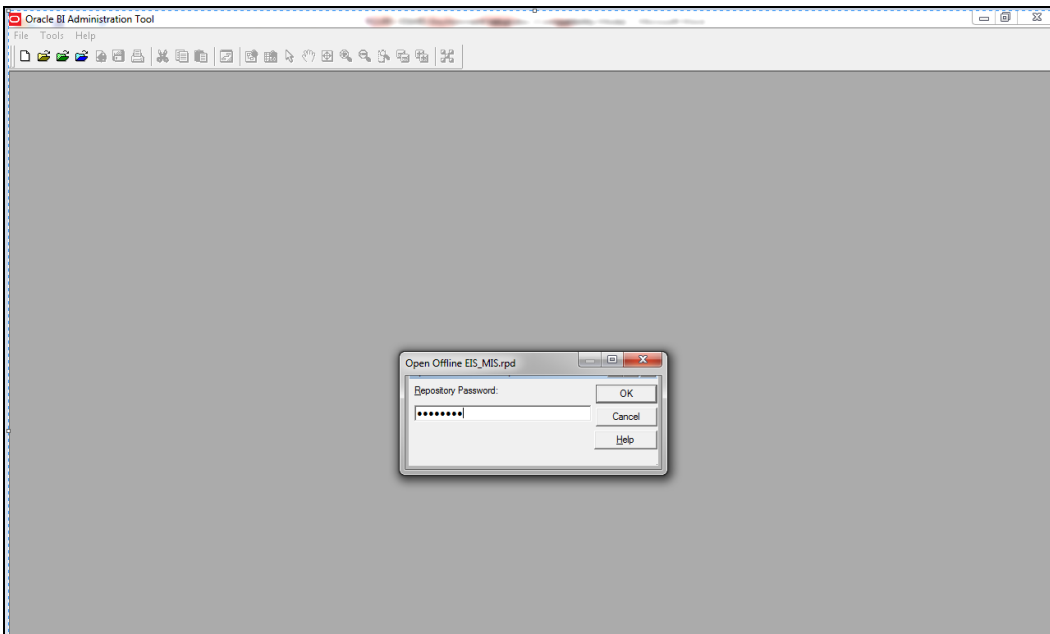


3. Double click on connection pool
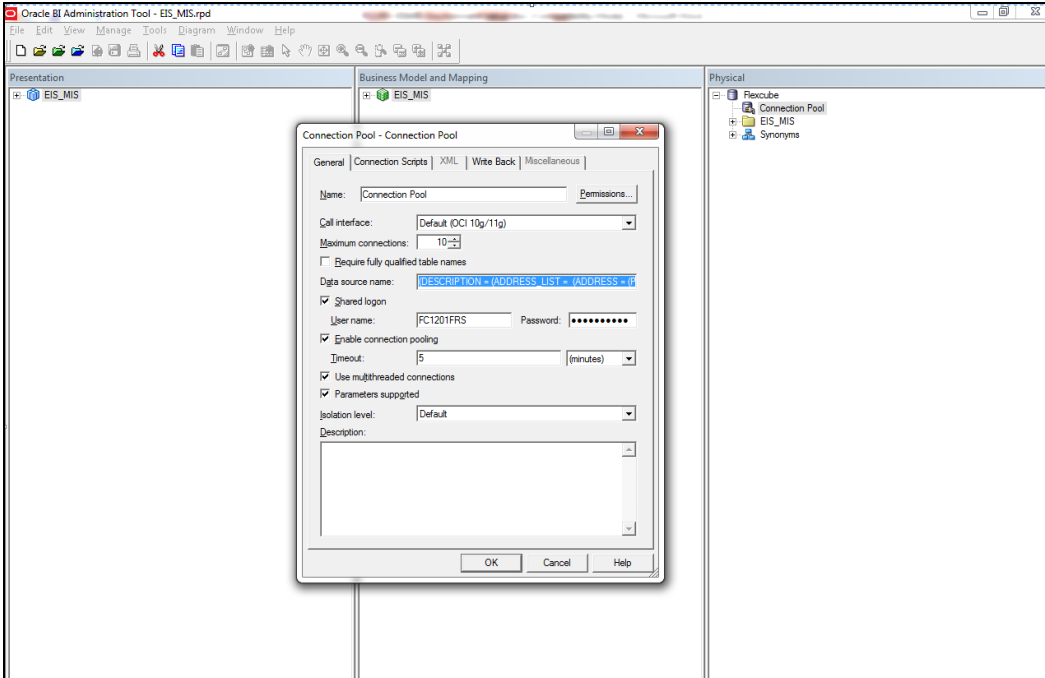
- Make sure Call Interface is OCI 10g/11g
- Change Data source name for the marked info given in the below format.
- (DESCRIPTION = (ADDRESS_LIST =  (ADDRESS = (PROTOCOL = TCP)(HOST = <Host Address>)(PORT = <Port>)))(CONNECT_DATA = (SERVICE_NAME <Servicename>) ) )
- Enter FRS schema <*User name*> and <*Password*> and click ok and provide the same password when prompted
- Click Save Button
- Place the saved rpd file 'EIS_MIS.rpd' from Rpd folder and copy under the path like here
- <*OBIEE Instancehome*>/foundation/OracleBIServerComponent/coreapplication_obis1/repository

### 1.4.2 RPD Deployment

1. Login to OBIEE Enterprise Manager

Eg: http://ofss220331.in.oracle.com:7001/em/

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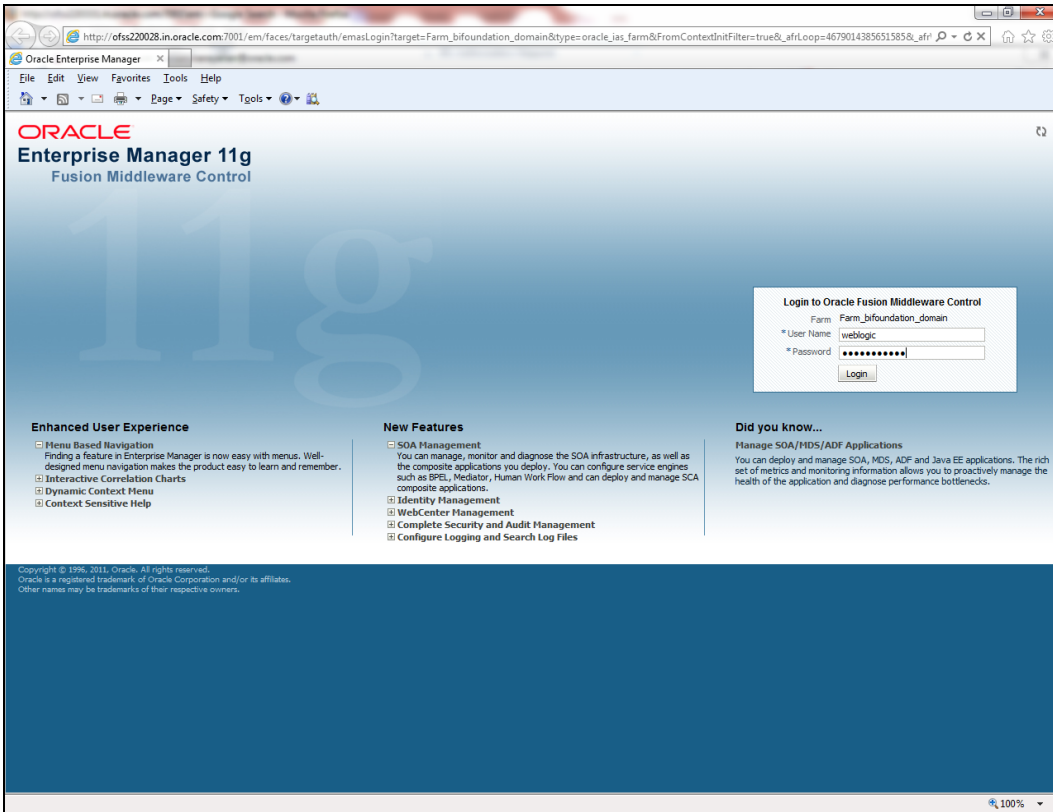
2. Click 'core application' under Business Intelligence Folder as shown here:
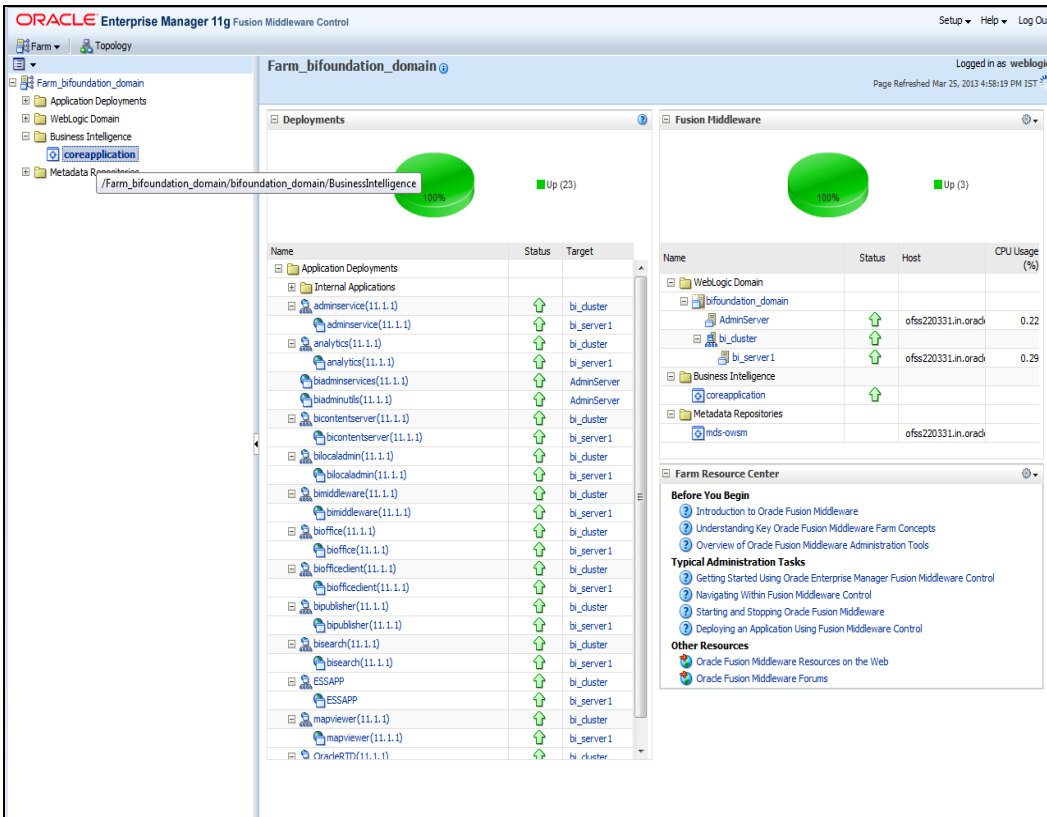
3. Click 'Lock and Edit' and go to Deployment Tab
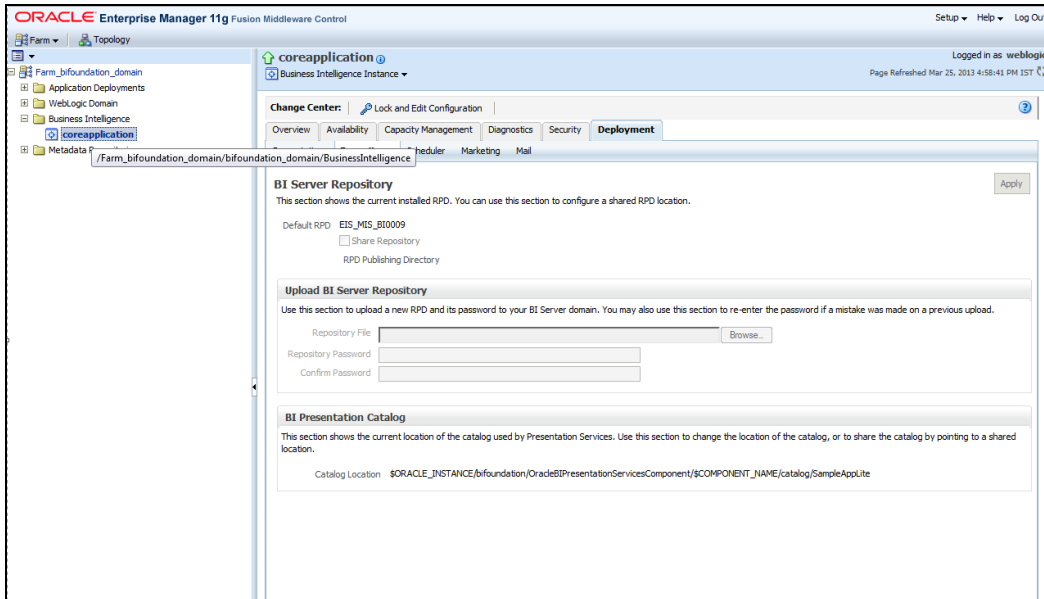


4. Click 'Browse' and select the Rpd to make it online.
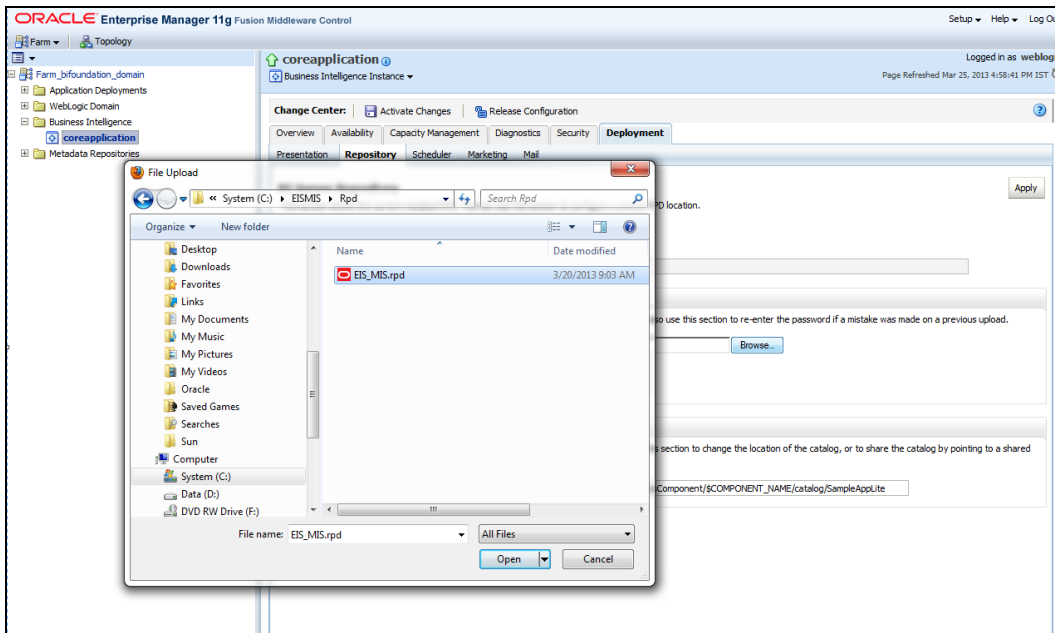


5. Give the password as weblogic123/weblogic123 as below:
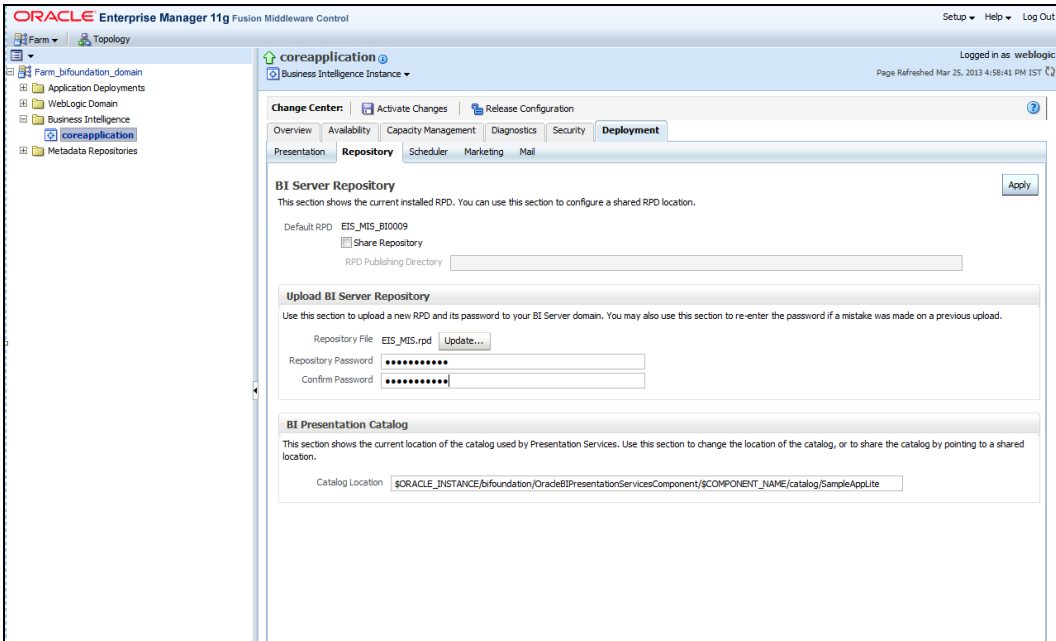
6. Click 'Apply'.
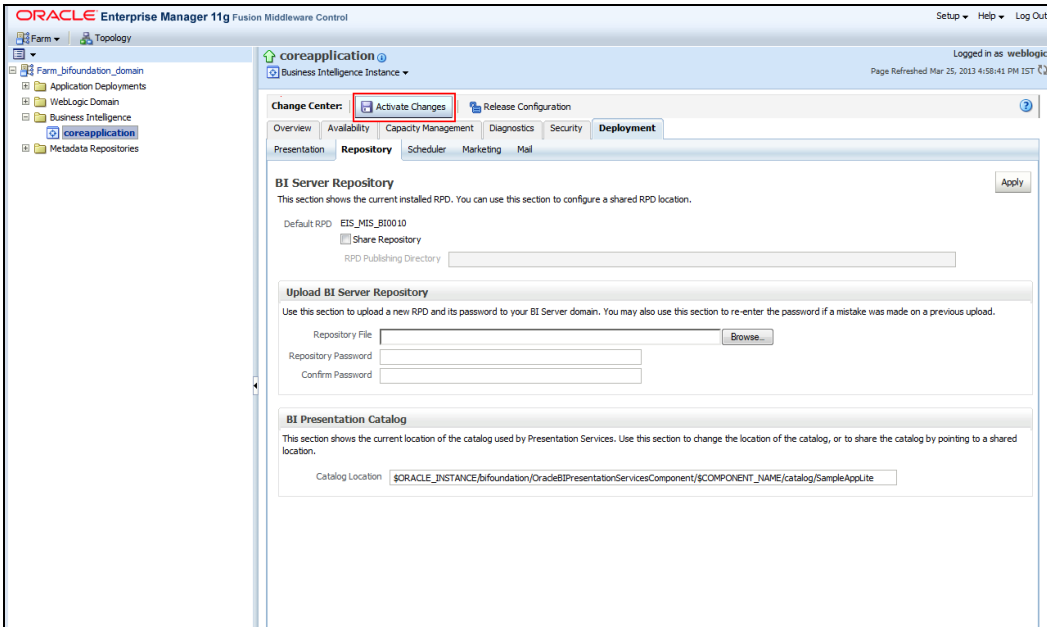


7. Click 'Activate Changes'.
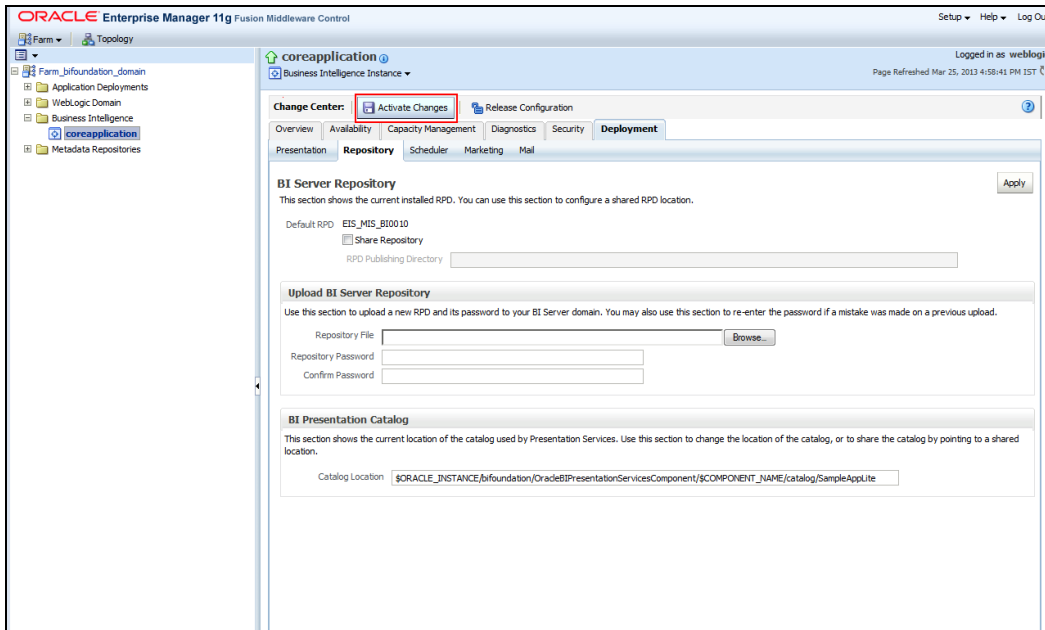
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## 1.5 **Reports Deployment**

1. Copy the Report files under the path, here you need to copy flexcube+information+server (complete Folder) and flexcube+information+server.atr file.

   <OBIEE Instance Home >/bifoundation/OracleBIPresentationServicesComponent/coreapplication_obips1/catalog/SampleAppLite/root/shared

2. Go to the Browser and go to analytics url to login as here.
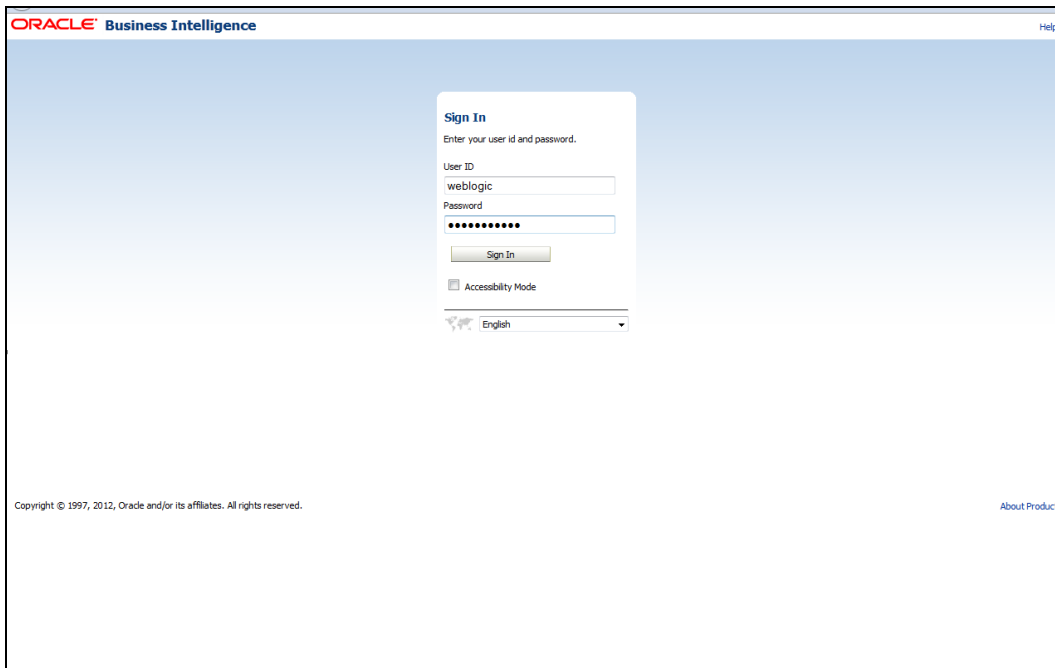
3. Go to Dashboards and should be able to see Dashboards 'Bank Scorecard 1' and Bank Scorecard 2' as here and click on it view accordingly.
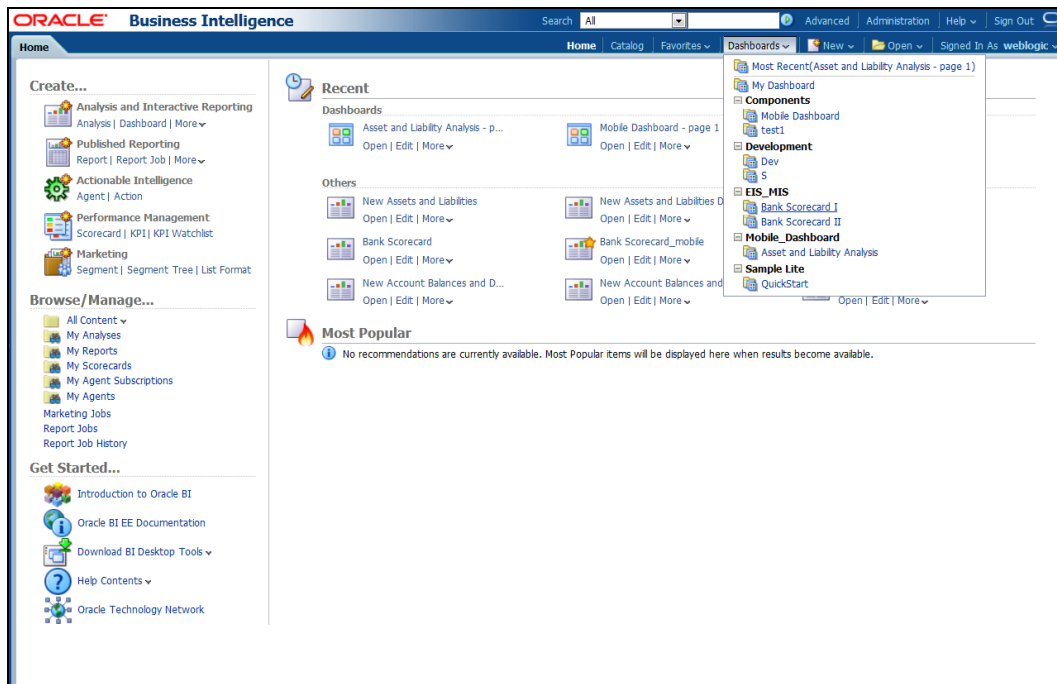
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