

Oracle FLEXCUBE OBIEE Reports  
Oracle FLEXCUBE Universal Banking  
Release 14.1.0.0.0  
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# 1. FLEXCUBE OBIEE Reports Setting

## 1.1 Introduction

This document covers the setting required to launch OBIEE reports from within FLEXCUBE. The various topics covered are:

- Creation of User with Administrator Rights
- Steps to implement access restrictions to user
- Update the User Id in CSTB\_PARAM
- Integration of OBIEE into Flexcube using IFrame
- Writeback XML Deployment
- Server file changes
- Creation and Maintenance of BPEL url.
- Disable Cache
- Restarting BI Components using EM Server

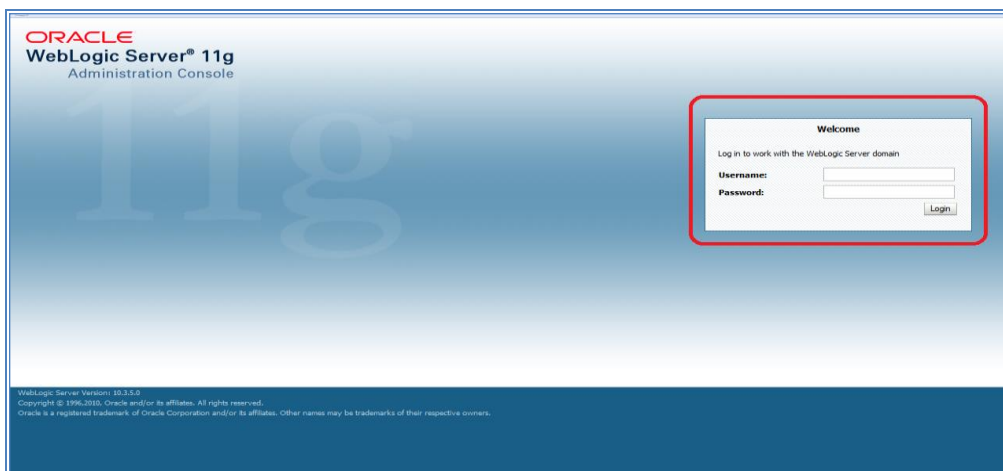
**Note:** If OBIEE is on SSL, valid SSL certificate is essential to invoke OBIEE screens from Oracle FLEXCUBE. If valid SSL certificate is not available, then the browser will show an error message when you try to invoke an OBIEE screen.

## 1.2 Creation of User with Administrator Rights

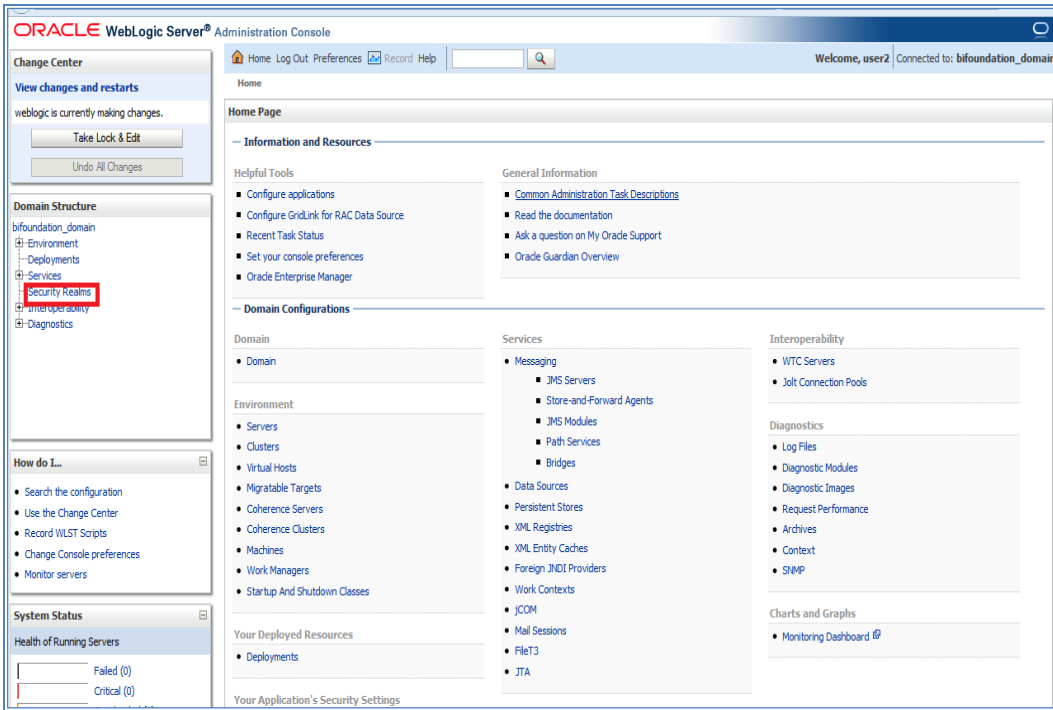
### 1.2.1 Steps to create user

Create 'weblogic' user if it's not created already in the OBIEE instance you are using.

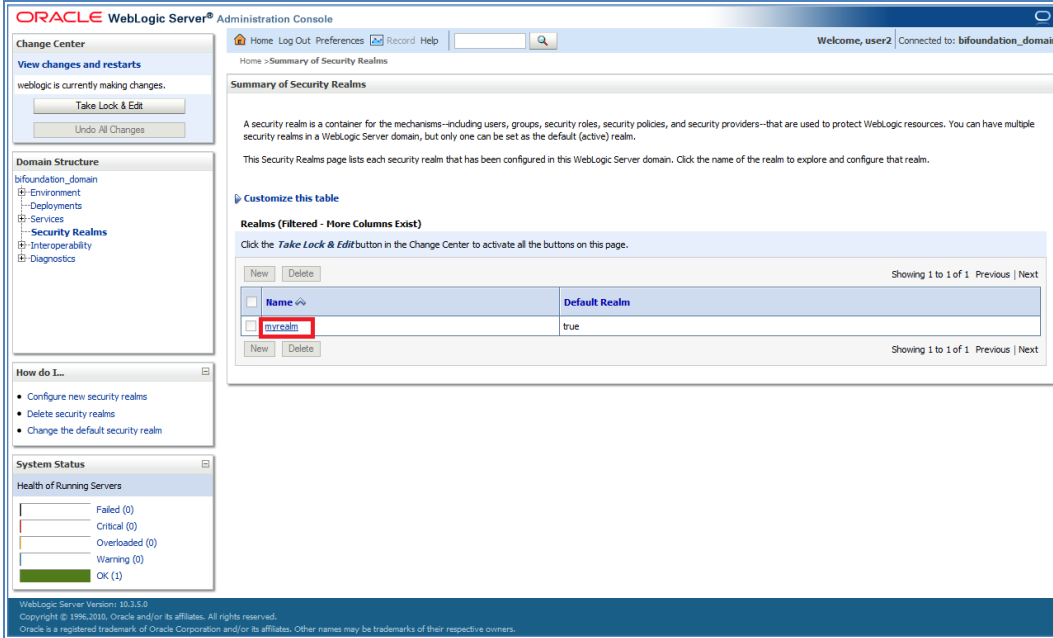
1. Login to OBIEE Admin console with admin credentials



2. Once logged in click on security realms in the page



3. Next click on my realms as shown below



4. Next click on user and groups tab

The screenshot shows the Oracle WebLogic Server Administration Console. The left sidebar contains the 'Change Center' (with 'Take Lock & Edit' and 'Undo All Changes' buttons), 'Domain Structure' (a tree view showing 'bifoundation\_domain' > 'Security Realms'), and 'How do I...'. The main content area is titled 'Settings for myrealm' and has tabs for 'Configuration', 'Users and Groups' (highlighted with a red box), 'Roles and Policies', 'Credential Mappings', 'Providers', and 'Migration'. Under the 'Users and Groups' tab, there are sub-tabs for 'General', 'RDBMS Security Store', 'User Lockout', and 'Performance'. The 'General' sub-tab is active, showing instructions to click 'Take Lock & Edit' in the Change Center. It includes a 'Save' button, a note about JACC security models, and configuration options: 'Name' (myrealm), 'Security Model Default' (DD Only), 'Combined Role Mapping Enabled' (checked), and 'Use Authorization Providers to Protect JMX Access' (unchecked).

5. Click on New for creating new user

The screenshot shows the 'Users and Groups' configuration page. The 'Users and Groups' tab is selected, and the 'Users' sub-tab is active. The page displays information about each user configured in the security realm. A 'Customize this table' link is visible. Below it, there is a 'Users' table with a 'New' button (highlighted with a red box) and a 'Delete' button. The table shows the following data:

| Name          | Description    | Provider             |
|---------------|----------------|----------------------|
| Administrator |                | DefaultAuthenticator |
| BISystemUser  | BI System User | DefaultAuthenticator |

The table also includes a 'Showing 1 to 9 of 9' indicator and 'Previous' and 'Next' navigation links.

6. Next enter Name as username and password and confirm password and next click on OK

Home Log Out Preferences Record Help Welcome, user2 Connected to: bifoundation\_domain

Home > Summary of Security Realms > myrealm > Users and Groups

### Create a New User

OK Cancel

#### User Properties

The following properties will be used to identify your new User.  
\* Indicates required fields

What would you like to name your new User?

\* **Name:**

How would you like to describe the new User?

**Description:**

Please choose a provider for the user.

**Provider:**

The password is associated with the login name for the new User.

\* **Password:**

\* **Confirm Password:**

OK Cancel

7. Once you are done you will be redirected to users window.

8. Click on 'weblogic' user that you created to assign groups to that user

Home Log Out Preferences Record Help Welcome, user2 Connected to: bifoundation\_domain

Home > Summary of Security Realms > myrealm > Users and Groups

### Messages

✔ User created successfully

#### Settings for myrealm

Configuration **Users and Groups** Roles and Policies Credential Mappings Providers Migration

Users Groups

This page displays information about each user that has been configured in this security realm.

[Customize this table](#)

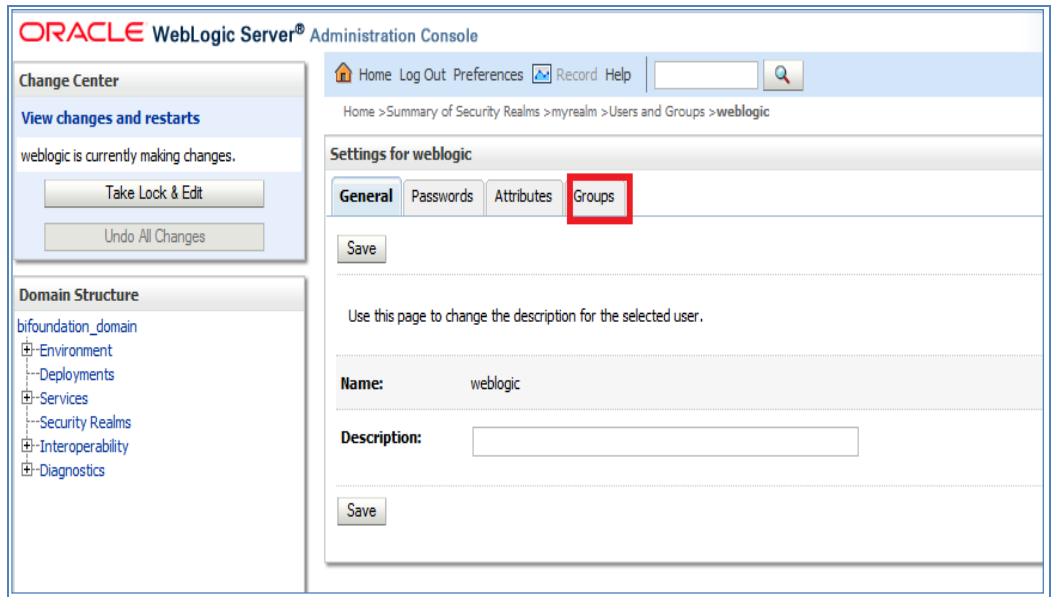
#### Users

New Delete Showing 1 to 10 of 10 Previous | Next

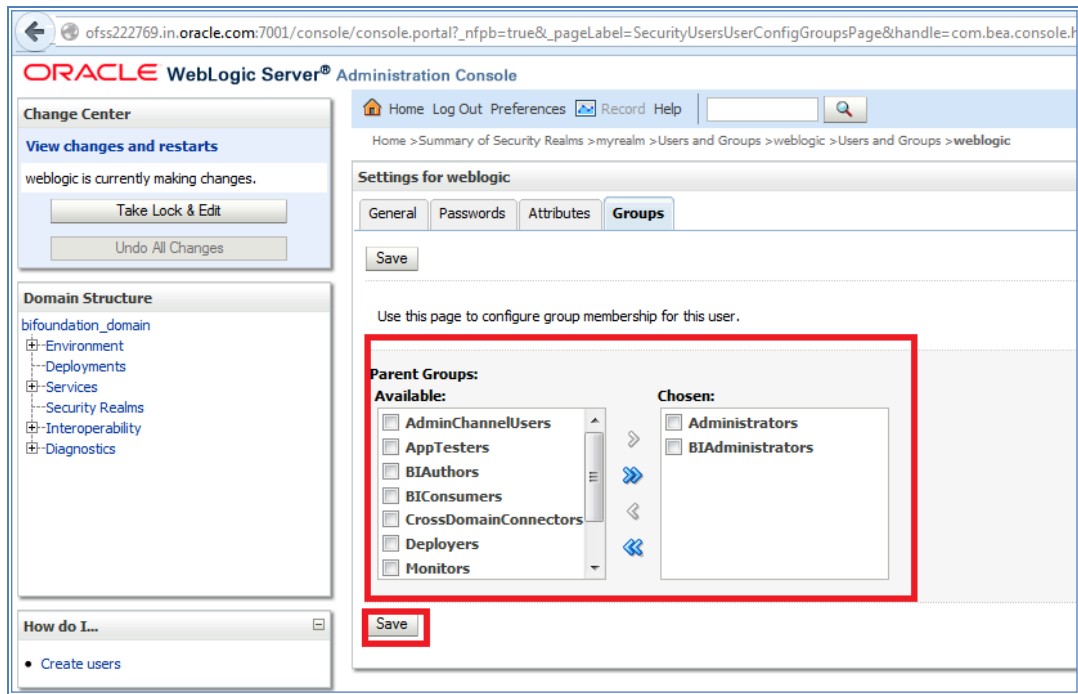
| <input type="checkbox"/> | Name ↕           | Description                              | Provider             |
|--------------------------|------------------|--|----------------------|
| <input type="checkbox"/> | Administrator    |  | DefaultAuthenticator |
| <input type="checkbox"/> | BISystemUser     | BI System User                           | DefaultAuthenticator |
| <input type="checkbox"/> | fcuser           |  | DefaultAuthenticator |
| <input type="checkbox"/> | fcuser1          |  | DefaultAuthenticator |
| <input type="checkbox"/> | OracleSystemUser | Oracle application software system user. | DefaultAuthenticator |
| <input type="checkbox"/> | user1            |  | DefaultAuthenticator |
| <input type="checkbox"/> | user2            |  | DefaultAuthenticator |
| <input type="checkbox"/> | user3            |  | DefaultAuthenticator |
| <input type="checkbox"/> | user4            |  | DefaultAuthenticator |
| <input type="checkbox"/> | weblogic         |  | DefaultAuthenticator |

New Delete Showing 1 to 10 of 10 Previous | Next

9. Next Click on Groups tab



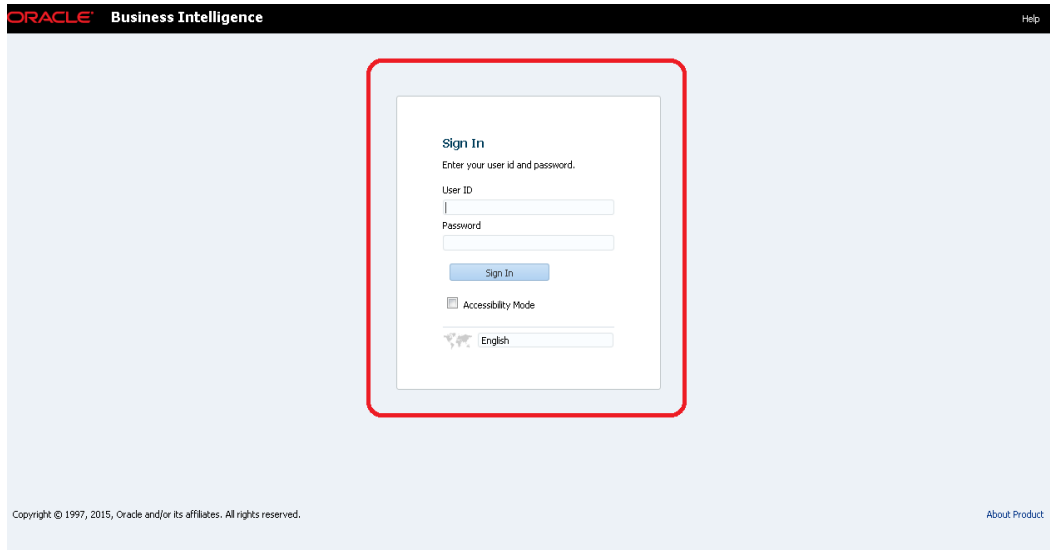
10. Assign the groups 'Administrators' and 'BIAdministrators' groups to **weblogic** user and click Save



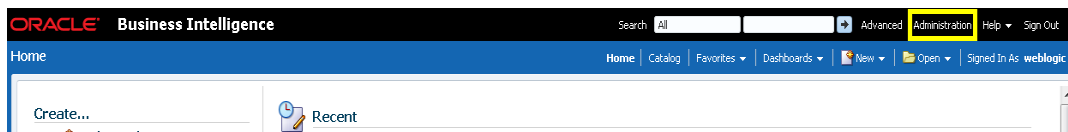
This completes user creation.  
You can logout from here.

## 1.3 Steps to implement access restrictions to user

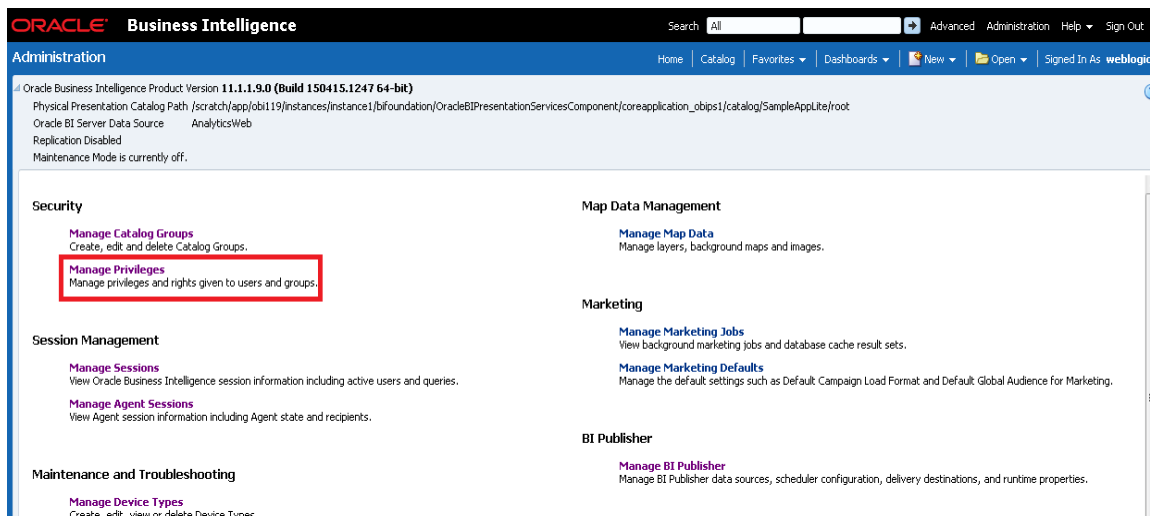
1. Login to OBIEE analytics Url with admin user credentials



2. Once logged in click on Administration link



3. Click on Manage Privileges





4. Click on 'BI Consumer Role' link for 'Catalog Preview UI' access as shown here

This page allows you to view and administer privileges associated with various components of Oracle Business Intelligence.

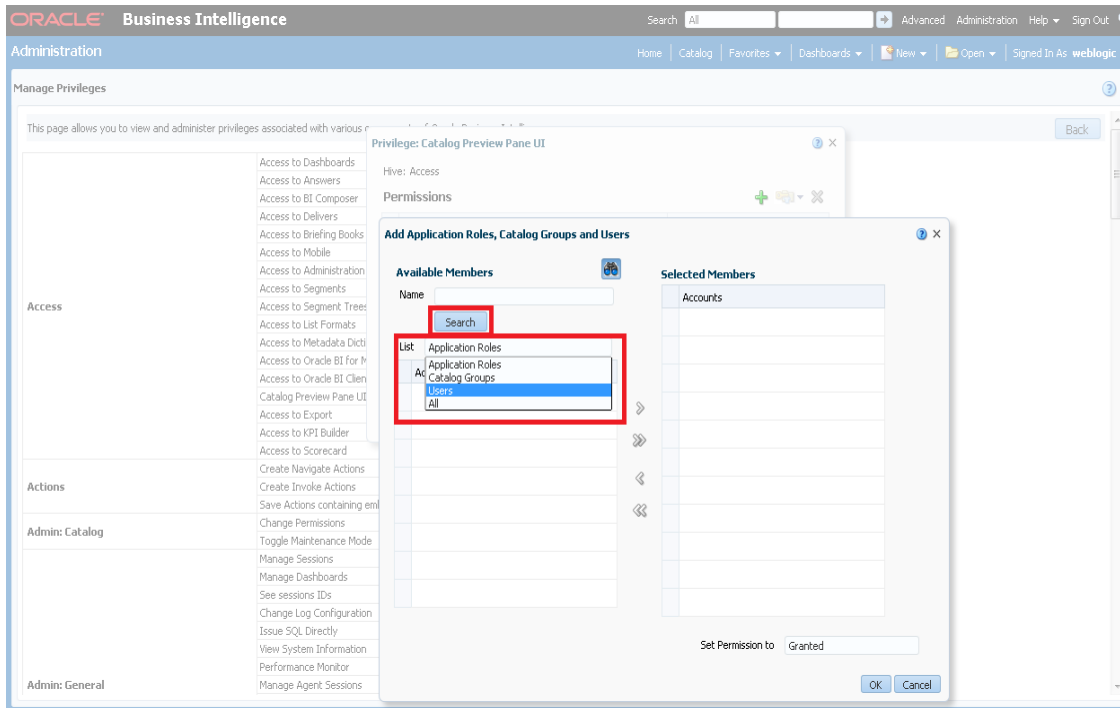
|                       |  |                                       |
|-----------------------|--|---------------------------------------|
| <b>Access</b>         | Access to Dashboards                     | <a href="#">BI Consumer Role</a>      |
|                       | Access to Answers                        | <a href="#">BI Author Role</a>        |
|                       | Access to BI Composer                    | <a href="#">BI Author Role</a>        |
|                       | Access to Delivers                       | <a href="#">BI Author Role</a>        |
|                       | Access to Briefing Books                 | <a href="#">BI Consumer Role</a>      |
|                       | Access to Mobile                         | <a href="#">BI Consumer Role</a>      |
|                       | Access to Administration                 | <a href="#">BI Administrator Role</a> |
|                       | Access to Segments                       | <a href="#">BI Consumer Role</a>      |
|                       | Access to Segment Trees                  | <a href="#">BI Author Role</a>        |
|                       | Access to List Formats                   | <a href="#">BI Author Role</a>        |
|                       | Access to Metadata Dictionary            | <a href="#">BI Author Role</a>        |
|                       | Access to Oracle BI for Microsoft Office | <a href="#">BI Consumer Role</a>      |
|                       | Access to Oracle BI Client Installer     | <a href="#">BI Consumer Role</a>      |
|                       | <b>Catalog Preview Pane UI</b>           | <a href="#">BI Consumer Role</a>      |
|                       | Access to Export                         | <a href="#">BI Consumer Role</a>      |
| Access to KPI Builder | <a href="#">BI Author Role</a>           |                                       |
| Access to Scorecard   | <a href="#">BI Consumer Role</a>         |                                       |

5. Next click on '+' symbol

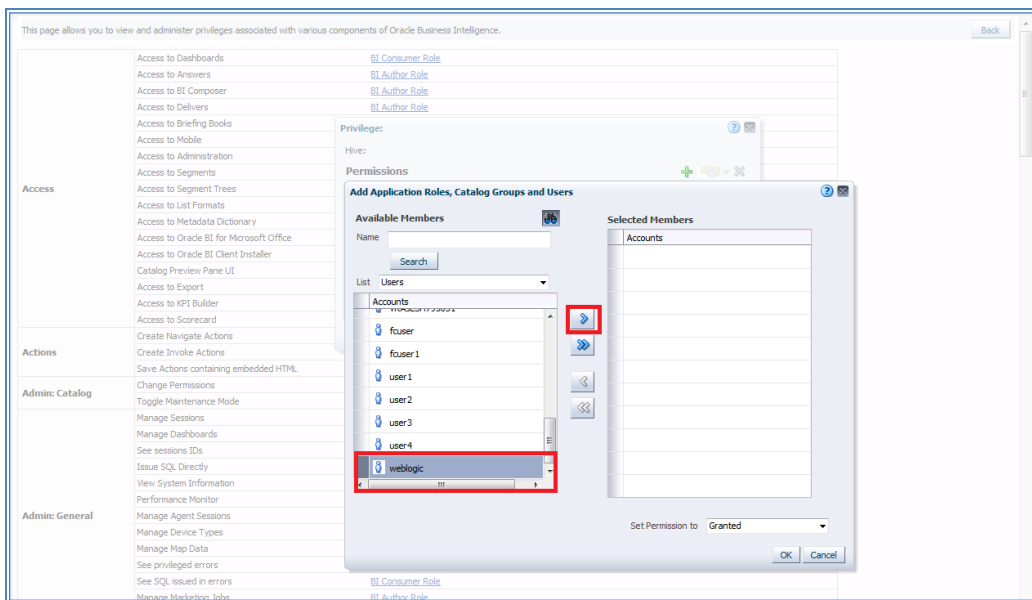
The screenshot shows the Oracle Business Intelligence Administration console. The 'Manage Privileges' dialog is open for the 'Catalog Preview Pane UI' privilege. The dialog has a title bar 'Privilege: Catalog Preview Pane UI' and a 'Hive: Access' section. Below this is a 'Permissions' table with two columns: 'Accounts' and 'Permissions'. The 'Accounts' column contains a list of roles, with 'BI Consumer Role' selected. The 'Permissions' column shows a dropdown menu set to 'Granted'. A red box highlights the '+' icon in the top right corner of the dialog, which is used to add new accounts.

| Accounts         | Permissions |
|------------------|-------------|
| BI Consumer Role | Granted     |

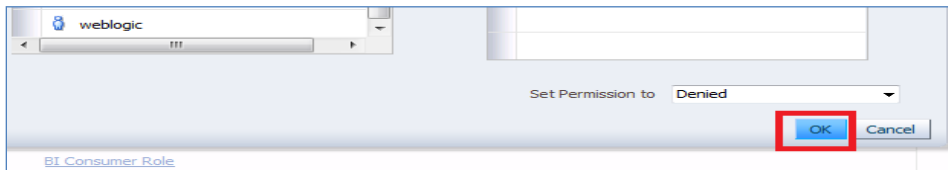
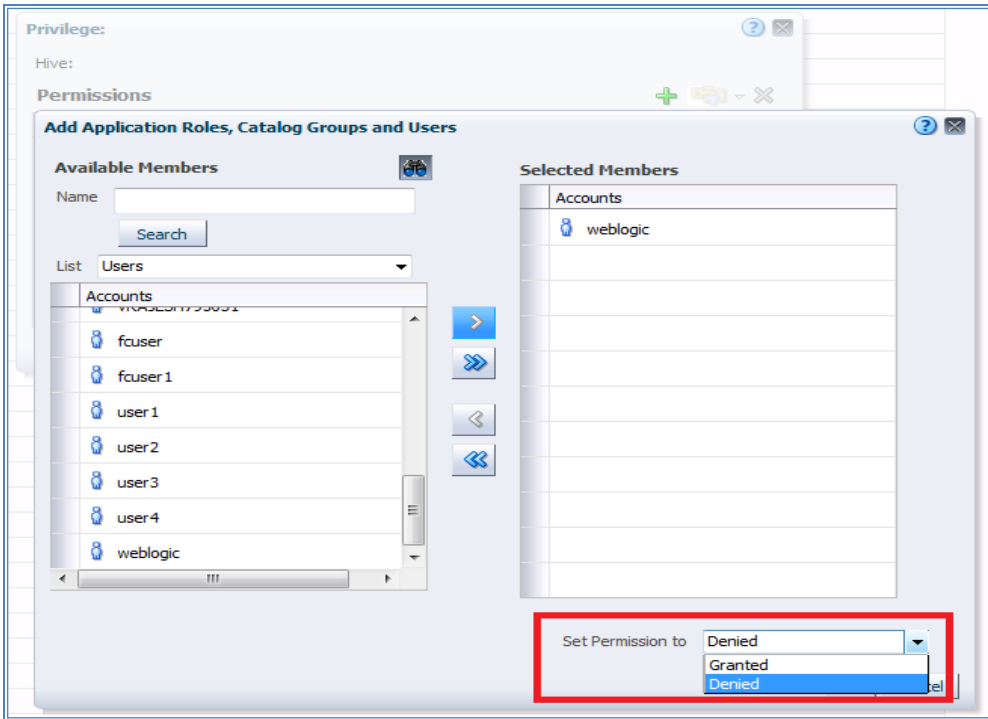
6. Select users from the dropdown shown and click on Search



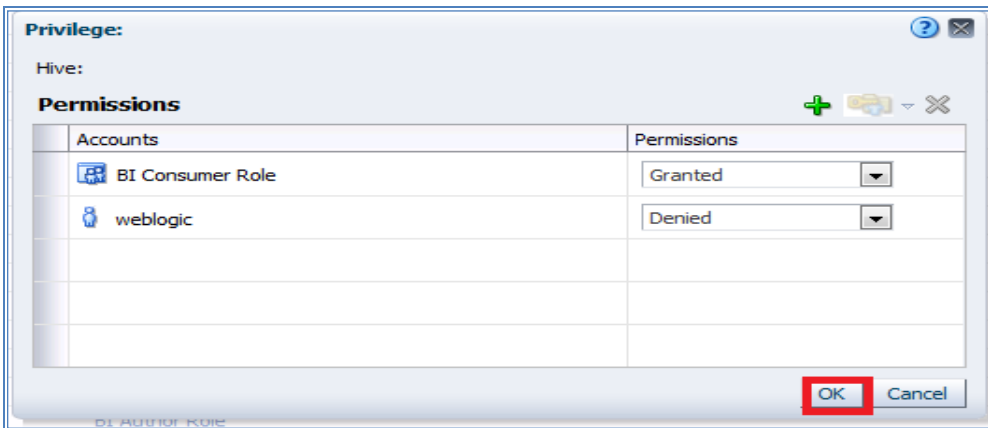
7. Select 'weblogic' user and click on the arrow to move to Selected Members



8. Now set the Permission to Denied and click Ok



9. Again Press Ok



10. Once done you will see that user is denied to the particular access as shown here

This page allows you to view and administer privileges associated with various components of Oracle Business Intelligence.

|                       |  |   |
|-----------------------|--|---|
| Access                | Access to Dashboards                     | <a href="#">BI Consumer Role</a>                            |
|                       | Access to Answers                        | <a href="#">BI Author Role</a>                              |
|                       | Access to BI Composer                    | <a href="#">BI Author Role</a>                              |
|                       | Access to Delivers                       | <a href="#">BI Author Role</a>                              |
|                       | Access to Briefing Books                 | <a href="#">BI Consumer Role</a>                            |
|                       | Access to Mobile                         | <a href="#">BI Consumer Role</a>                            |
|                       | Access to Administration                 | <a href="#">BI Administrator Role</a>                       |
|                       | Access to Segments                       | <a href="#">BI Consumer Role</a>                            |
|                       | Access to Segment Trees                  | <a href="#">BI Author Role</a>                              |
|                       | Access to List Formats                   | <a href="#">BI Author Role</a>                              |
|                       | Access to Metadata Dictionary            | <a href="#">BI Author Role</a>                              |
|                       | Access to Oracle BI for Microsoft Office | <a href="#">BI Consumer Role</a>                            |
|                       | Access to Oracle BI Client Installer     | <a href="#">BI Consumer Role</a>                            |
|                       | Catalog Preview Pane UI                  | <a href="#">BI Consumer Role</a><br><b>Denied: weblogic</b> |
| Access to Export      | <a href="#">BI Consumer Role</a>         |   |
| Access to KPI Builder | <a href="#">BI Author Role</a>           |   |
| Access to Scorecard   | <a href="#">BI Consumer Role</a>         |   |

11. Similarly set user rights for 'weblogic' user for all the below marked access restrictions

Administration Manage Privileges

This page allows you to view and administer privileges associated with various components of Oracle Business Intelligence.

|                       |  |  |
|-----------------------|--|--|
| Access                | Access to Dashboards                     | <a href="#">BI Consumer Role</a>                                 |
|                       | Access to Answers                        | <a href="#">BI Author Role</a>                                   |
|                       | Access to BI Composer                    | <a href="#">BI Author Role</a>                                   |
|                       | Access to Delivers                       | <a href="#">BI Author Role</a>                                   |
|                       | Access to Briefing Books                 | <a href="#">BI Consumer Role</a>                                 |
|                       | Access to Mobile                         | <a href="#">BI Consumer Role</a>                                 |
|                       | Access to Administration                 | <a href="#">BI Administrator Role</a><br><b>Denied: weblogic</b> |
|                       | Access to Segments                       | <a href="#">BI Consumer Role</a><br><b>Denied: weblogic</b>      |
|                       | Access to Segment Trees                  | <a href="#">BI Author Role</a>                                   |
|                       | Access to List Formats                   | <a href="#">BI Author Role</a>                                   |
|                       | Access to Metadata Dictionary            | <a href="#">BI Author Role</a>                                   |
|                       | Access to Oracle BI for Microsoft Office | <a href="#">BI Consumer Role</a>                                 |
|                       | Access to Oracle BI Client Installer     | <a href="#">BI Consumer Role</a><br><b>Denied: weblogic</b>      |
|                       | Catalog Preview Pane UI                  | <a href="#">BI Consumer Role</a><br><b>Denied: weblogic</b>      |
| Access to Export      | <a href="#">BI Consumer Role</a>         |  |
| Access to KPI Builder | <a href="#">BI Author Role</a>           |  |
| Access to Scorecard   | <a href="#">BI Consumer Role</a>         |  |

|         |                                       |   |
|---------|---------------------------------------|---|
| Actions | Create Navigate Actions               | <a href="#">BI Consumer Role</a><br><b>Denied: weblogic</b> |
|         | Create Invoke Actions                 | <a href="#">BI Author Role</a>                              |
|         | Save Actions containing embedded HTML | <a href="#">BI Administrator Role</a>                       |

Administration Manage Privileges

|                                       |  |   |
|---------------------------------------|--|---|
| Briefing Book                         | Add To or Edit a Briefing Book                 | <a href="#">BI Author Role</a>                              |
|                                       | Download Briefing Book                         | <a href="#">BI Consumer Role</a><br><b>Denied: weblogic</b> |
|                                       | Add to snapshot briefing book                  | <a href="#">BI Consumer Role</a>                            |
| Catalog                               | Personal Storage (My Folders and My Dashboard) | <a href="#">BI Consumer Role</a><br><b>Denied: weblogic</b> |
|                                       | Reload Metadata                                | <a href="#">BI Administrator Role</a>                       |
|                                       | See Hidden Items                               | <a href="#">BI Author Role</a>                              |
|                                       | Create Folders                                 | <a href="#">BI Author Role</a>                              |
|                                       | Archive Catalog                                | <a href="#">BI Administrator Role</a>                       |
| Conditions                            | Unarchive Catalog                              | <a href="#">BI Administrator Role</a>                       |
|                                       | Upload Files                                   | <a href="#">BI Administrator Role</a>                       |
|                                       | Perform Global Search                          | <a href="#">BI Author Role</a>                              |
| Dashboards                            | Perform Extended Search                        | <a href="#">BI Author Role</a>                              |
|                                       | Create Conditions                              | <a href="#">BI Author Role</a>                              |
|                                       | Save Customizations                            | <a href="#">BI Consumer Role</a><br><b>Denied: weblogic</b> |
|                                       | Assign Default Customizations                  | <a href="#">BI Author Role</a><br><b>Denied: weblogic</b>   |
|                                       | Create Bookmark Links                          | <a href="#">BI Consumer Role</a><br><b>Denied: weblogic</b> |
|                                       | Create Prompted Links                          | <a href="#">BI Consumer Role</a><br><b>Denied: weblogic</b> |
| Export Entire Dashboard To Excel      | <a href="#">BI Consumer Role</a>               |   |
| Export Single Dashboard Page To Excel | <a href="#">BI Consumer Role</a>               |   |

| Administration           |                          | Home                 | Catalog          | Favorites | Dashboards |
|--------------------------|--------------------------|----------------------|------------------|-----------|------------|
| <b>Manage Privileges</b> |                          |                      |                  |           |            |
| <b>Home and Header</b>   | Access Home Page         | BI Consumer Role     | Denied:          | weblogic  |            |
|                          | Access Catalog UI        | BI Consumer Role     | Denied:          | weblogic  |            |
|                          | Access Catalog Search UI | BI Consumer Role     | Denied:          | weblogic  |            |
|                          | Simple Search Field      | BI Consumer Role     |                  |           |            |
|                          | Advanced Search Link     | BI Consumer Role     | Denied:          | weblogic  |            |
|                          | Open Menu                | BI Consumer Role     | Denied:          | weblogic  |            |
|                          | New Menu                 | BI Consumer Role     | Denied:          | weblogic  |            |
|                          | Help Menu                | BI Consumer Role     | Denied:          | weblogic  |            |
|                          | Dashboards Menu          | BI Consumer Role     | Denied:          | weblogic  |            |
|                          | Favorites Menu           | BI Consumer Role     |                  |           |            |
|                          | My Account Link          | BI Consumer Role     | Denied:          | weblogic  |            |
|                          | Custom Links             | BI Consumer Role     | Denied:          | weblogic  |            |
|                          | <b>My Account</b>        | Access to My Account | BI Consumer Role | Denied:   | weblogic   |
| Change Preferences       |                          | BI Consumer Role     |                  |           |            |
| Change Delivery Options  |                          | BI Consumer Role     |                  |           |            |

12. To give access follow the same steps as above but select Granted in the Step: 8.

13. Similarly set user rights for 'weblogic' user for all the below marked Privileges

| Administration            |                            | Home                  | Catalog | Favorites          | Dashboards | New | Op |
|---------------------------|----------------------------|-----------------------|---------|--------------------|------------|-----|----|
| <b>Manage Privileges</b>  |                            |                       |         |                    |            |     |    |
| <b>View Ticker</b>        | Add/Edit TickerView        | BI Author Role        |         |                    |            |     |    |
| <b>View Title</b>         | Add/Edit TitleView         | BI Author Role        |         |                    |            |     |    |
| <b>View Treemap</b>       | Add/Edit TreemapView       | BI Author Role        |         |                    |            |     |    |
| <b>View Trellis</b>       | Add/Edit TrellisView       | BI Author Role        |         |                    |            |     |    |
| <b>View View Selector</b> | Add/Edit View SelectorView | BI Author Role        |         |                    |            |     |    |
| <b>Write Back</b>         | Write Back to Database     | weblogic              | Denied: | Authenticated User |            |     |    |
|                           | Manage Write Back          | BI Administrator Role |         | weblogic           |            |     |    |

| Administration           |  | Home                                  |
|--------------------------|--|---------------------------------------|
| <b>Manage Privileges</b> |  |                                       |
|                          | Execute Direct Database Analysis                           | BI Administrator Role <b>weblogic</b> |
| <b>Delivers</b>          | Create Agents  | BI Author Role                        |
|                          | Publish Agents for Subscription                            | BI Author Role                        |
|                          | Deliver Agents to Specific or Dynamically Determined Users | BI Administrator Role                 |
|                          | Chain Agents   | BI Author Role                        |
|                          | Modify Current Subscriptions for Agents                    | BI Administrator Role                 |
|                          | Act As Proxy   | <b>Denied: Authenticated User</b>     |
| <b>Proxy</b>             |  |                                       |
| <b>RSS Feeds</b>         | Access to RSS Feeds  | BI Consumer Role                      |
|                          |  |                                       |
| <b>Scorecard</b>         | Create/Edit Scorecards                                     | BI Author Role                        |
|                          | View Scorecards  | BI Consumer Role                      |
|                          | Create/Edit Objectives                                     | BI Author Role                        |
|                          | Create/Edit Initiatives                                    | BI Author Role                        |
|                          | Create Views   | BI Author Role                        |
|                          | Create/Edit Causes And Effects Linkages                    | BI Author Role                        |
|                          | Create/Edit Perspectives                                   | BI Author Role                        |
|                          | Add Annotations  | BI Consumer Role                      |
|                          | Override Status  | BI Consumer Role                      |
|                          | Create/Edit KPIs   | BI Author Role                        |
|                          | Write Back to Database for KPI                             | BI Consumer Role <b>weblogic</b>      |
|                          | Add Scorecard Views To Dashboards                          | BI Consumer Role                      |

This way we can create user and give specific grants and also deny the access to the OBIEE options.

## 1.4 Update the User Id in CSTB\_PARAM

In CSTB\_PARAM , Update the name of the user in PARAM\_VAL for PARAM\_NAME "OBIEE\_USER"

Eg: weblogic

## 1.5 Integration of OBIEE into Flexcube using IFrame

1. Locate the instanceconfig.xml file at the below location:

[OBIEE\_HOME]\instances\instance1\config\OracleBIPresentationServicesComponent\coreapplication\_obips1\

Update the instanceconfig.xml file to add the highlighted entry within the "security" tag

```
<Security>
<!--Changes to Integration of OBIEE to Flexcube Starts-->
<InIFrameRenderingMode>allow</InIFrameRenderingMode>
<!--Changes to Integration of OBIEE to Flexcube Ends-->
<!--This Configuration setting is managed by Oracle Enterprise Manager Fusion Middleware Control-->
<ClientSessionExpireMinutes>210</ClientSessionExpireMinutes>
</Security>
```

2. Edit the 'web.xml' file at the following location:

[OBIEE\_HOME]\oracleBI1\bifoundation\web\app\WEB-INF\

Add the highlighted text into the "web.xml"

```
<servlet-mapping>
    <servlet-name>SAWBridge</servlet-name>
    <url-pattern>/saw.dll/*</url-pattern>
</servlet-mapping>

<servlet-mapping>
    <servlet-name>RelatedContent</servlet-name>
    <url-pattern>/RelatedContent</url-pattern>
</servlet-mapping>

<context-param>
    <param-name>oracle.adf.view.rich.security.FRAME_BUSTING</param-name>
    <param-value>never</param-value>
</context-param>

<login-config>
    <auth-method>CLIENT-CERT</auth-method>
</login-config>
```

3. Now restart all the Bi components using EM Server.

## 1.6 Writeback XML Deployment

1. Take the Two writeback XMLs
  - (i) ICDSKTOP\_COLL.xml
  - (ii) ICDSKTOP\_LIAB.xml

They are available in SVN path :

[http://ofssfcdevsvn.in.oracle.com:18080/svn/FLEXCUBE\\_ELCM/branches/FCELCM\\_12.0.1.0/Soft/MAIN/EL/OBIEE\\_11g/WritebackXML](http://ofssfcdevsvn.in.oracle.com:18080/svn/FLEXCUBE_ELCM/branches/FCELCM_12.0.1.0/Soft/MAIN/EL/OBIEE_11g/WritebackXML)

2. The XML's should be placed in OBIEE server in the paths mentioned below:

[OBIEE\_HOME]/instances/instance1/bifoundation/OracleBIPresentationServicesComponent/coreapplication\_obips1/analytcsRes/customMessages

[OBIEE\_HOME]/Oracle\_BI1/bifoundation/web/msgdb/customMessages

Please create the customMessages folder as by default they will not be there.

3. Now restart the BI Components from EM Server.

## 1.7 Server file changes

1. Go to the the path mentioned below  
[OBIEE\_HOME]/instances/instance1/config/OracleBIServerComponent/coreapplication\_obis1
2. Open NQSCfg file and make the EVALUATE\_SUPPORT\_LEVEL = 2

```
# EVALUATE_SUPPORT_LEVEL:
# 1: evaluate is supported for users with manageRepositorie
# 2: evaluate is supported for any user.
# other: evaluate is not supported if the value is anything

EVALUATE_SUPPORT_LEVEL = 2;

FMW_SECURITY_SERVICE_URL = "http://10.184.149.60:9704"; #
FMW_SECURITY_SERVICE_MAX_NUMBER_OF_CONNECTIONS = 2000;
FMW_SECURITY_SERVICE_MAX_NUMBER_OF_RETRIES = 0;
# FMW_SECURITY_SERVICE_RETRY_EXCEPTION SUBSTRING = "forcibl
FMW_UPDATE_ROLE_AND_USER_REF_GUIDS = NO;
```

3. Go to the path mentioned below  
[OBIEE\_HOME]/instances/instance1/config/OracleBIPresentationServicesComponent/coreapplication\_obips1
4. Open instanceconfig file and add the following line after </BIComposer>

<LightWriteback>true</LightWriteback>

For Example:

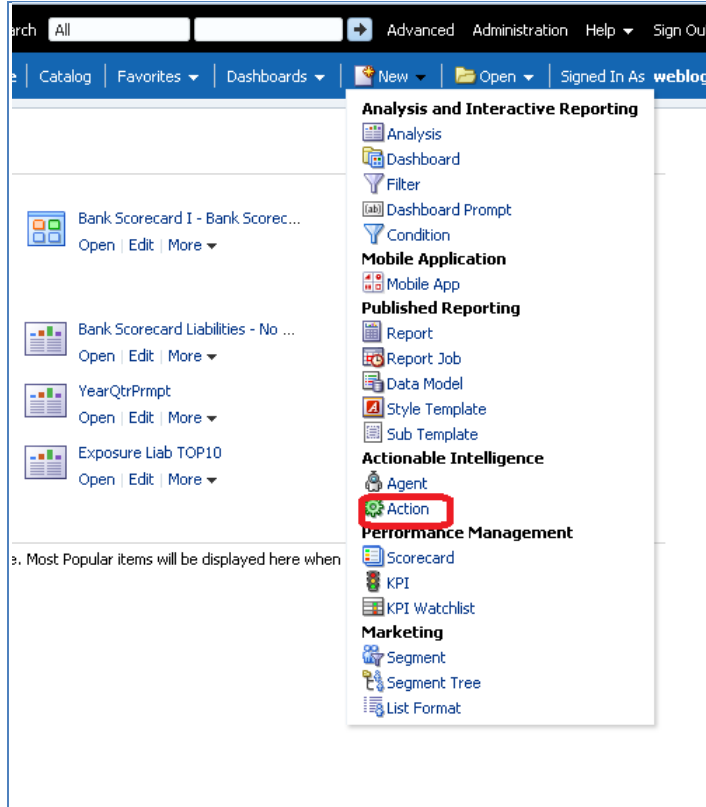
```
<BIComposer>
<!--This Configuration setting is managed by Oracle Enterprise Ma
<Enabled>true</Enabled>
</BIComposer>
<LightWriteback>true</LightWriteback>
<DeploymentProfile>
<!--This Configuration setting is managed by Oracle Enterprise Ma
<DeploymentMode>onsite</DeploymentMode>
</DeploymentProfile>
<AsvncLogon>
```



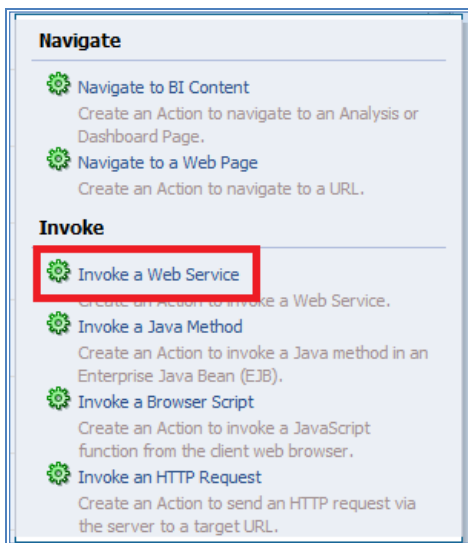
## 1.8 Creation and Maintenance of BPEL url.

### 1.8.1 Steps for creation of BPEL url.

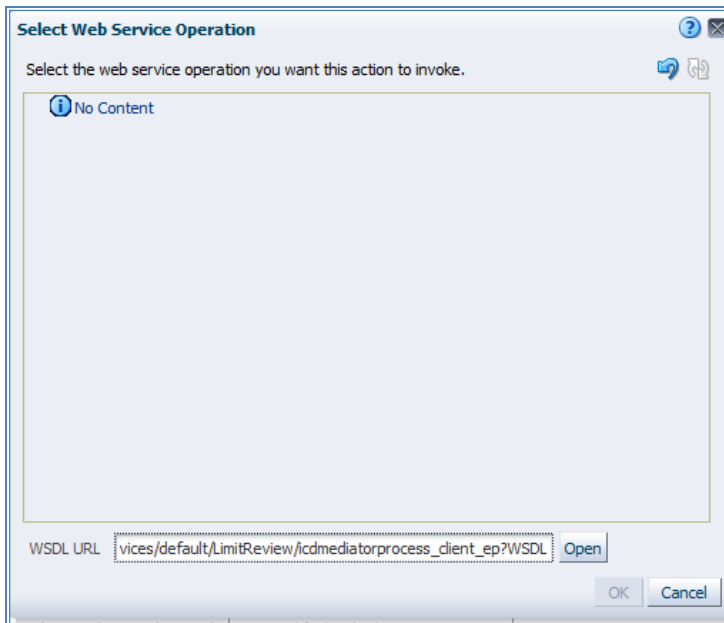
1. To create a BPEL task select the Action from New.



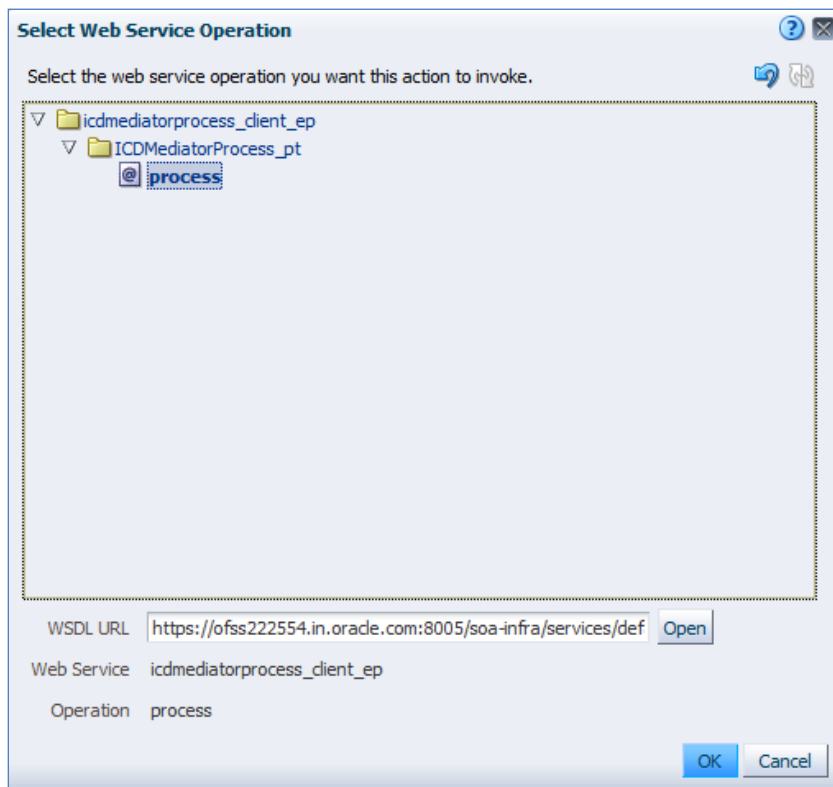
2. Select 'Invoke a Web Service'.



3. Now Enter the WSDL URL and click Open



4. Navigate to the process and select Ok button



5. Now the screen shows as follows.

Only the Alert Desc will be displayed to the user, so Change the name of that prompt and 'Save Action'.

**Define Parameters**  
Enter or select values for the action parameters or map them to BI variables or data.

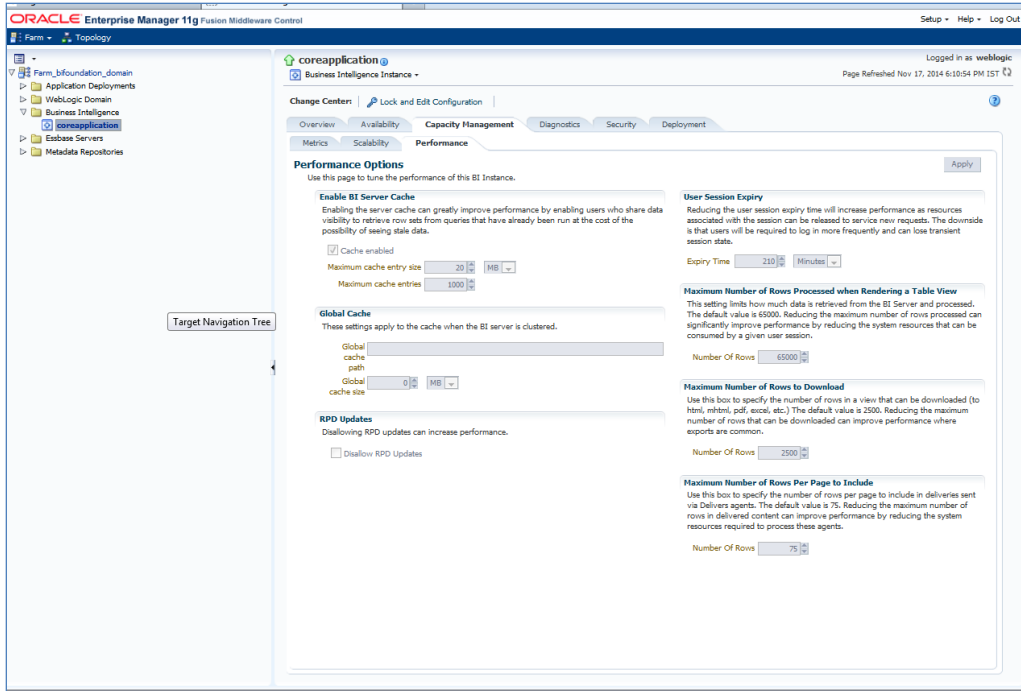
| Name                            | Prompt         | Value | Fixed                    | Hidden                   | Optional                 |
|---------------------------------|----------------|-------|--------------------------|--------------------------|--------------------------|
| LimitReviewInput_CUSTOMER--NAME | CUSTOMER--NAME | Value | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| LimitReviewInput_REVIEW--DATE   | REVIEW--DATE   | Value | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| LimitReviewInput_USERID         | USERID         | Value | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| LimitReviewInput_ALERT--CODE    | ALERT--CODE    | Value | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| LimitReviewInput_ALERT--DESC    | ALERT--DESC    | Value | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |

### 1.8.2 Steps for Maintenance of BPEL url.

1. Open the already existing action from the catalog.
2. You will be prompted the screen that is present in step: 5.
3. Now click Browse and follow the steps from Step: 3 until end.

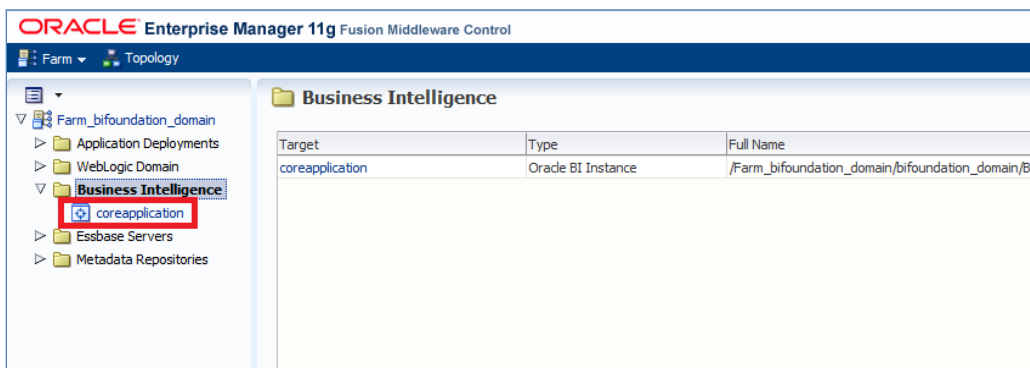
## 1.9 Disable Cache

1. Login to Enterprise manager,
2. Go to Farm\_bifoundation\_domain → Business Intelligence → coreapplication on the left side.
3. Click on it and select Performance Tab.
4. Under Enable BI Server Cache , Cache Enabled should be unchecked.



## 1.10 Restarting BI Components using EM Server

1. Login Into EM server of OBIEE
2. Go to coreapplicaitons in Business Intelligence option



3. The below screen opens.



4. Click 'Restart'.
5. Click 'Yes'.



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Oracle Financial Services Software Limited  
Oracle Park  
Off Western Express Highway  
Goregaon (East)  
Mumbai, Maharashtra 400 063  
India

Worldwide Inquiries:  
Phone: +91 22 6718 3000  
Fax: +91 22 6718 3001  
<https://www.oracle.com/industries/financial-services/index.html>

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