

Oracle FLEXCUBE OBIEE Reports
Oracle FLEXCUBE Universal Banking
Release 12.87.06.0.0
[May] [2020]



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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

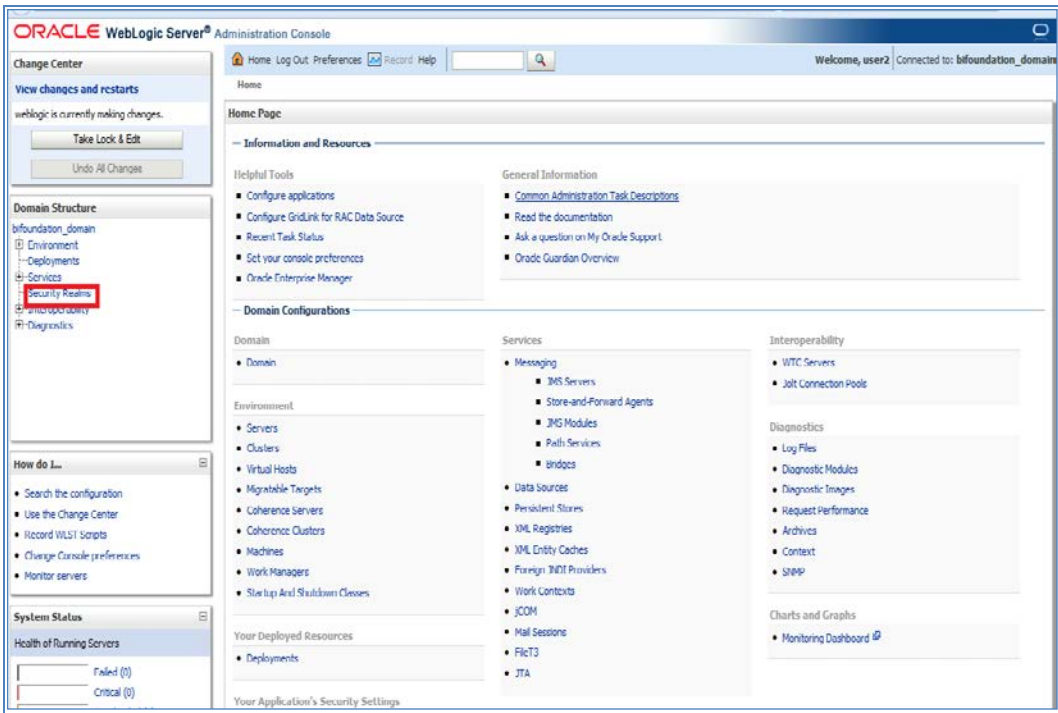
1.2.1 Steps to create user

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

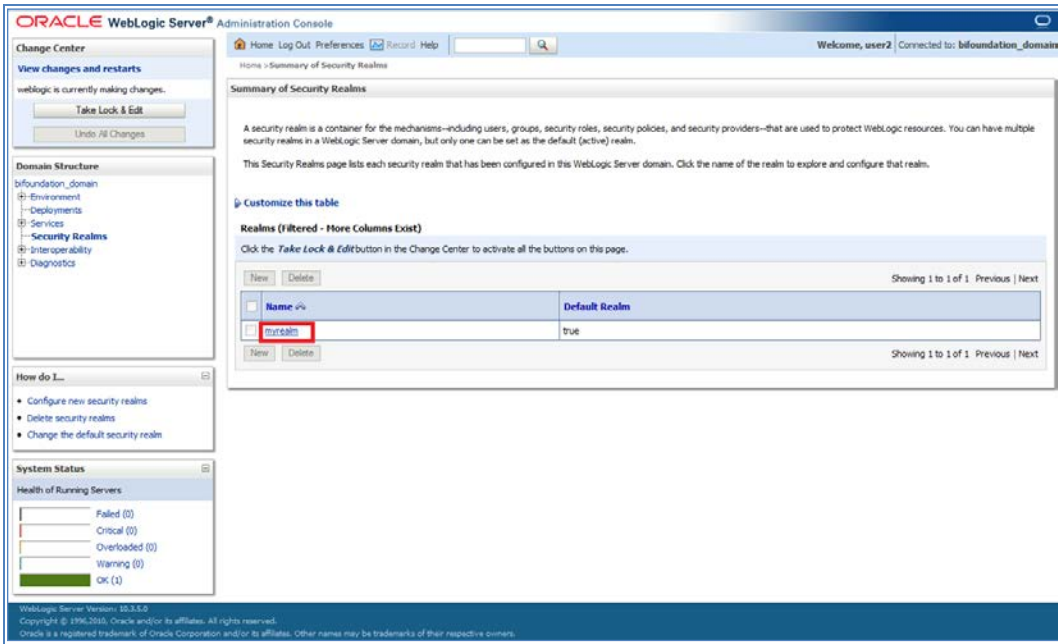
1. Login to OBIEE Admin console with admin credentials



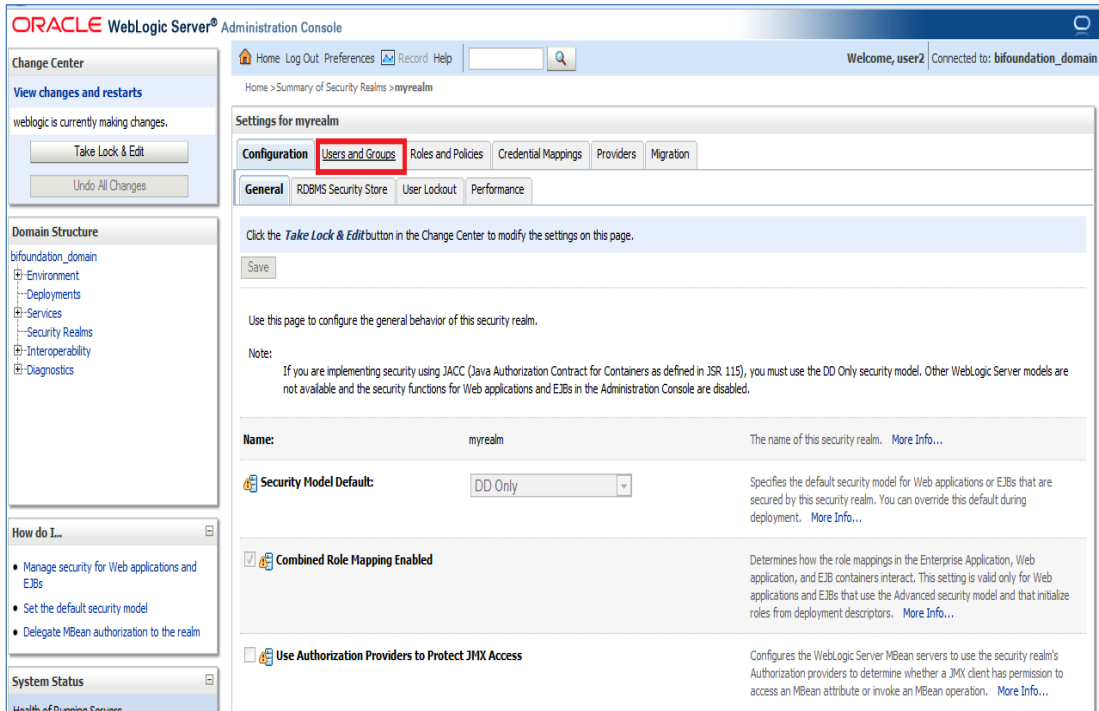
2. Once logged in click on security realms in the page



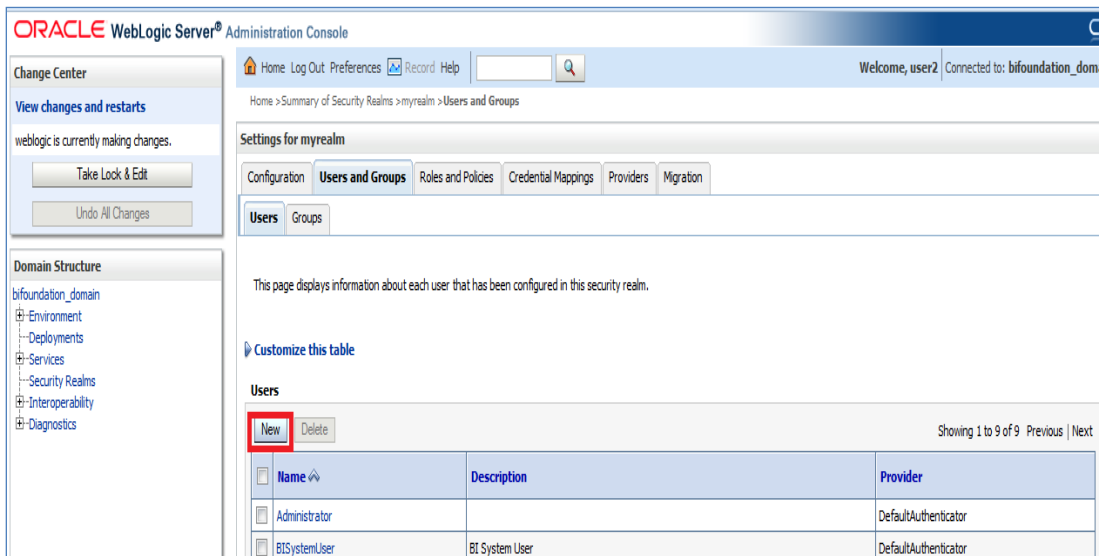
3. Next click on my realms as shown below



4. Next click on user and groups tab



5. Click on New for creating new user.



6. Enter the Name i.e username. Enter the '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

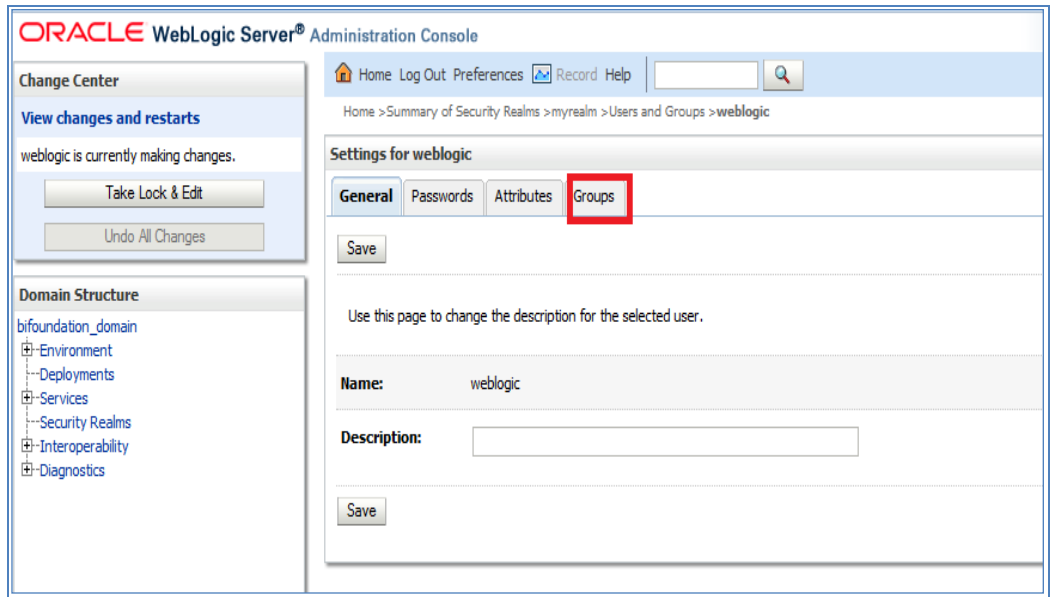
Users

New Delete Showing 1 to 10 of 10 Previous | Next

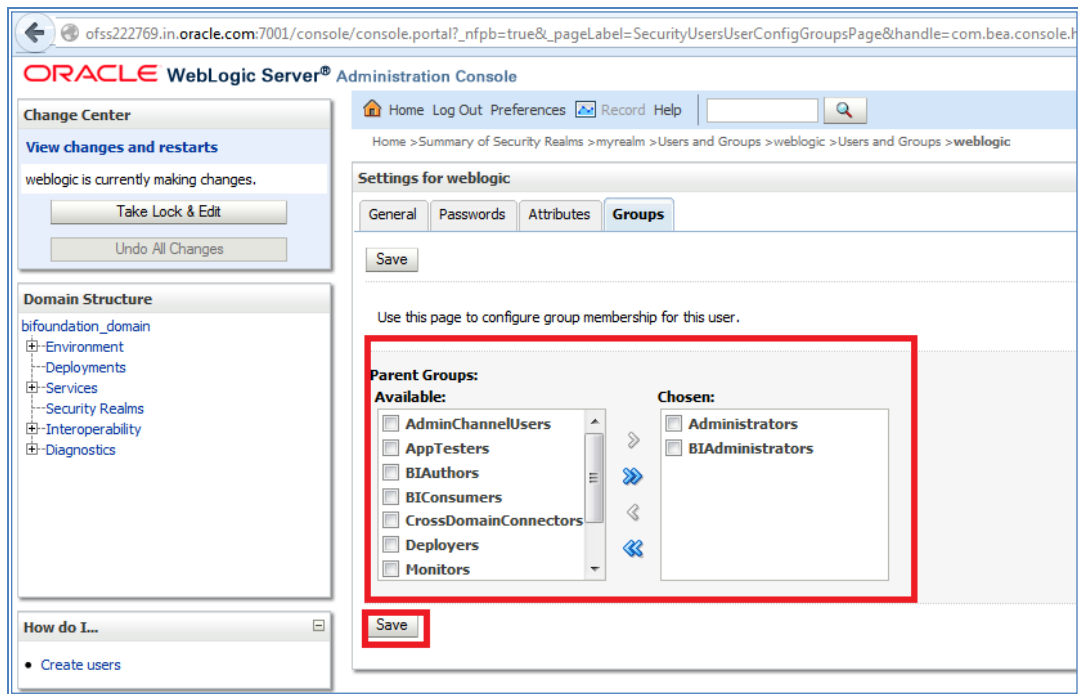
| Name | Description | Provider |
|------------------|--|----------------------|
| Administrator | | DefaultAuthenticator |
| BISystemUser | BI System User | DefaultAuthenticator |
| fcuser | | DefaultAuthenticator |
| fcuser1 | | DefaultAuthenticator |
| OracleSystemUser | Oracle application software system user. | DefaultAuthenticator |
| user1 | | DefaultAuthenticator |
| user2 | | DefaultAuthenticator |
| user3 | | DefaultAuthenticator |
| user4 | | DefaultAuthenticator |
| weblogic | | DefaultAuthenticator |

New Delete Showing 1 to 10 of 10 Previous | Next

9. Click on 'Groups' tab.



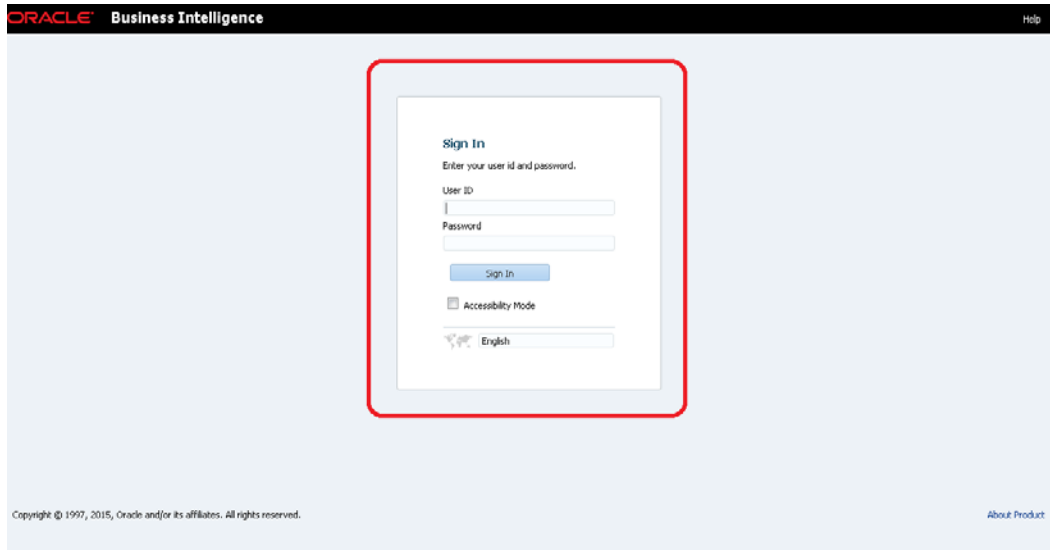
10. Assign the groups 'Administrators' and 'BIAdministrators' groups to **weblogic** user and click 'Save.'



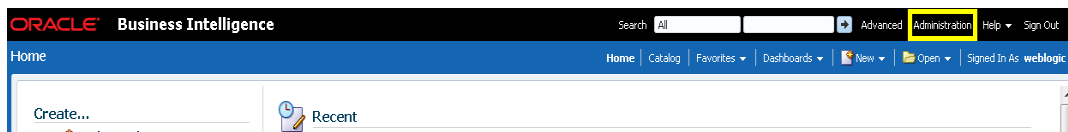
This completes user creation.
You can logout from here.

1.3 Steps to implement access restrictions to user

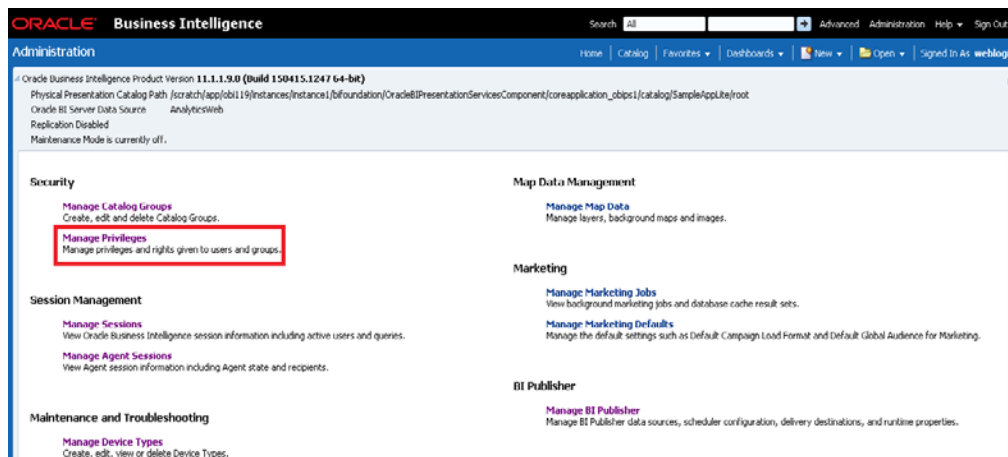
1. Login to OBIEE analytics URL with admin user credentials.



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:

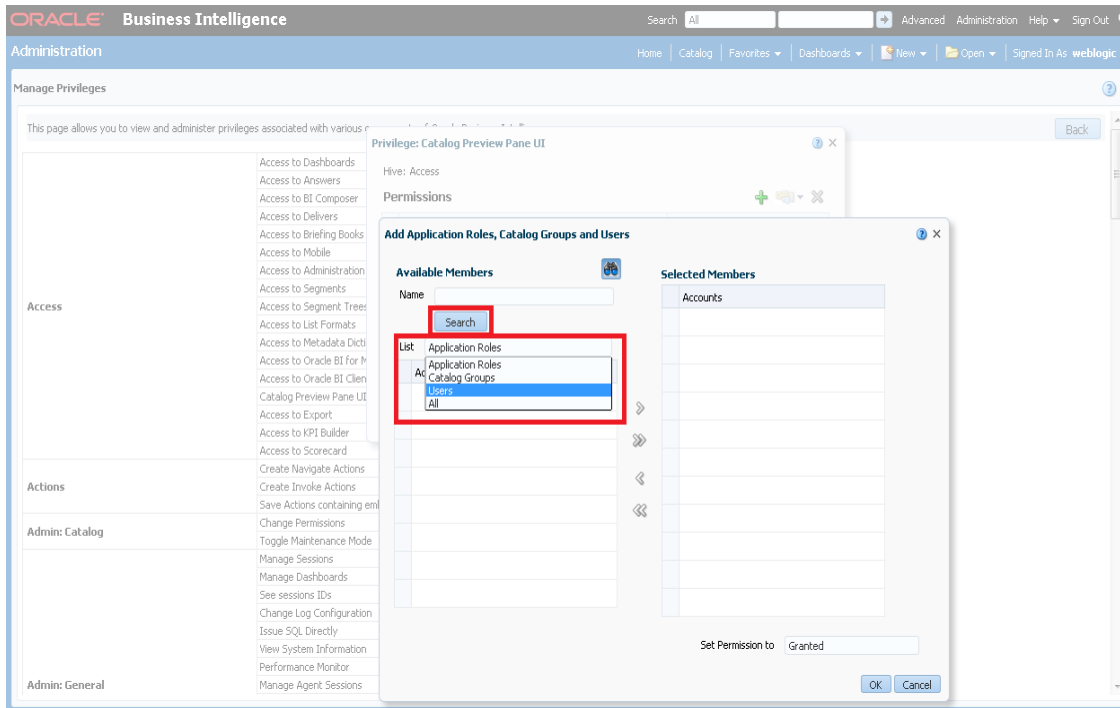
This page allows you to view and administer privileges associated with various components of Oracle Business Intelligence.

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

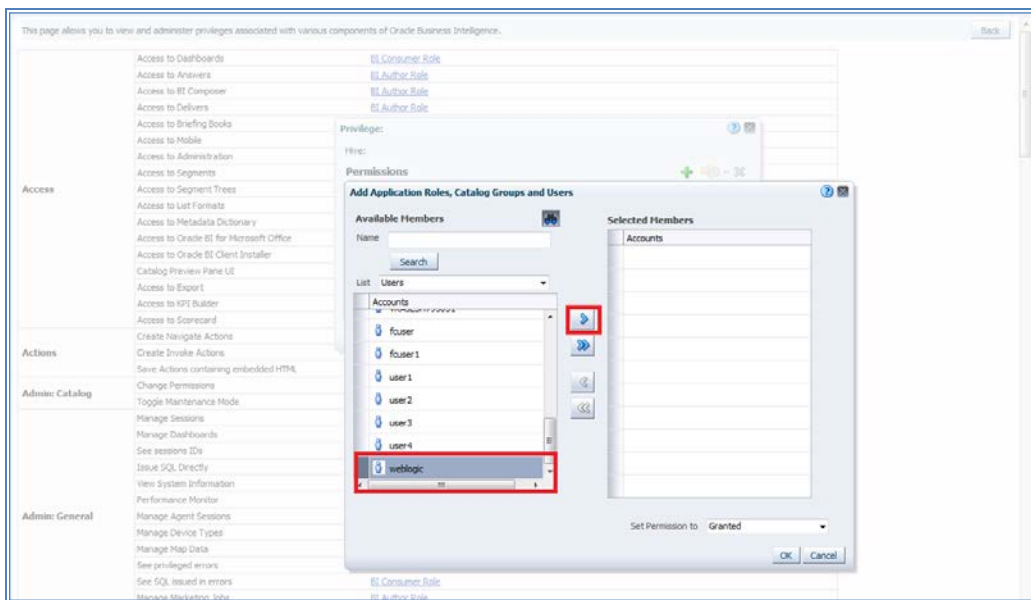
5. Next click on '+' symbol

The screenshot shows the Oracle Business Intelligence Administration console. A modal dialog titled "Privilege: Catalog Preview Pane UI" is open. The dialog has a "Hive: Access" section and a "Permissions" table. The "Permissions" table has two columns: "Accounts" and "Permissions". The "Accounts" column contains a list of roles, with "BI Consumer Role" selected. The "Permissions" column contains a dropdown menu with "Granted" selected. A red box highlights a "+" icon in the top right corner of the dialog, indicating the step to add a role.

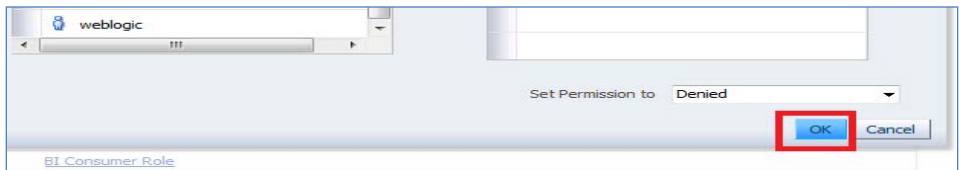
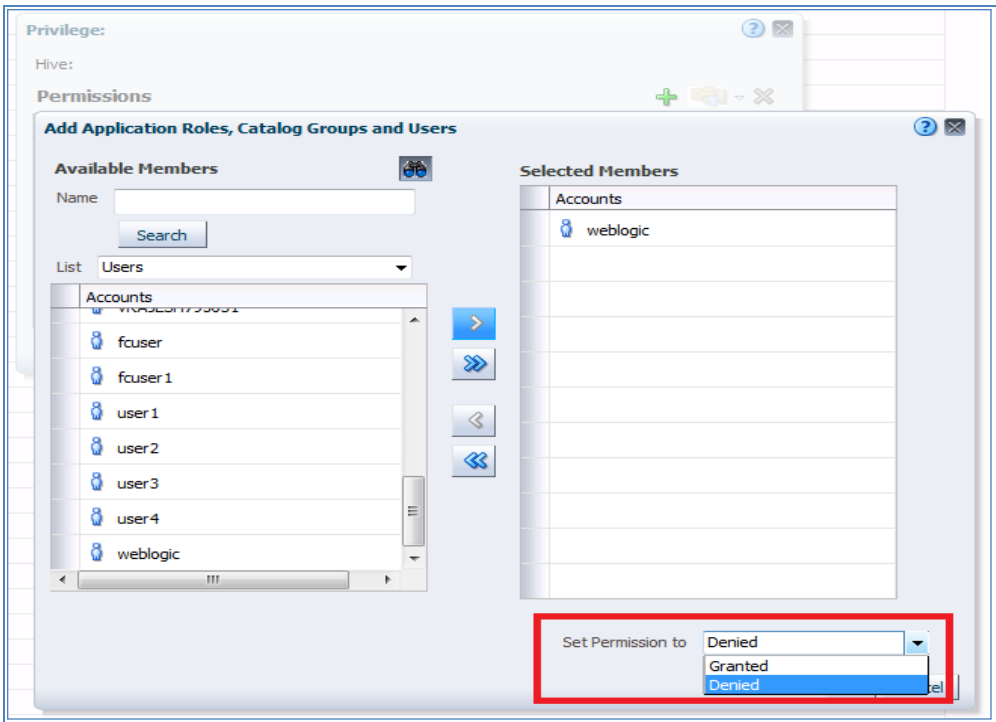
6. Select users from the drop-down shown and click on 'Search'.



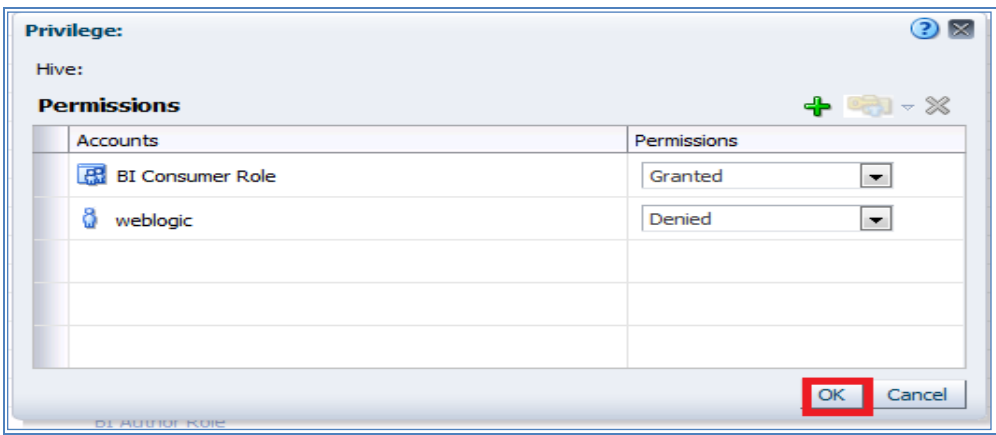
7. Select 'weblogic' user and click on the arrow to move to Selected Members



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 | BI Consumer Role |
| | Access to Answers | BI Author Role |
| | Access to BI Composer | BI Author Role |
| | Access to Delivers | BI Author Role |
| | Access to Briefing Books | BI Consumer Role |
| | Access to Mobile | BI Consumer Role |
| | Access to Administration | BI Administrator Role |
| | Access to Segments | BI Consumer Role |
| | Access to Segment Trees | BI Author Role |
| | Access to List Formats | BI Author Role |
| | Access to Metadata Dictionary | BI Author Role |
| | Access to Oracle BI for Microsoft Office | BI Consumer Role |
| | Access to Oracle BI Client Installer | BI Consumer Role |
| | Catalog Preview Pane UI | BI Consumer Role Denied: weblogic |
| Access to Export | BI Consumer Role | |
| Access to KPI Builder | BI Author Role | |
| Access to Scorecard | BI Consumer Role | |

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 | BI Consumer Role |
| | Access to Answers | BI Author Role |
| | Access to BI Composer | BI Author Role |
| | Access to Delivers | BI Author Role |
| | Access to Briefing Books | BI Consumer Role |
| | Access to Mobile | BI Consumer Role |
| | Access to Administration | BI Administrator Role Denied: weblogic |
| | Access to Segments | BI Consumer Role Denied: weblogic |
| | Access to Segment Trees | BI Author Role |
| | Access to List Formats | BI Author Role |
| | Access to Metadata Dictionary | BI Author Role |
| | Access to Oracle BI for Microsoft Office | BI Consumer Role |
| | Access to Oracle BI Client Installer | BI Consumer Role Denied: weblogic |
| | Catalog Preview Pane UI | BI Consumer Role Denied: weblogic |
| Access to Export | BI Consumer Role | |
| Access to KPI Builder | BI Author Role | |
| Access to Scorecard | BI Consumer Role | |

| | | |
|---------|---------------------------------------|---|
| Actions | Create Navigate Actions | BI Consumer Role Denied: weblogic |
| | Create Invoke Actions | BI Author Role |
| | Save Actions containing embedded HTML | BI Administrator Role |

Administration Manage Privileges

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

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

| Administration | | Home |
|--------------------------|--|---------------------------------------|
| Manage Privileges | | |
| | Execute Direct Database Analysis | BI Administrator Role weblogic |
| Delivers | 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 | Denied: Authenticated User |
| Proxy | Access to RSS Feeds | BI Consumer Role |
| | Create/Edit Scorecards | BI Author Role |
| Scorecard | 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 weblogic |
| | 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.
.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/analyticsRes/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_obis
1
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/coreap
plication_obips1
4. Open instanceconfig file and add the following line after </BIComposer>

<LightWriteback>true</LightWriteback>

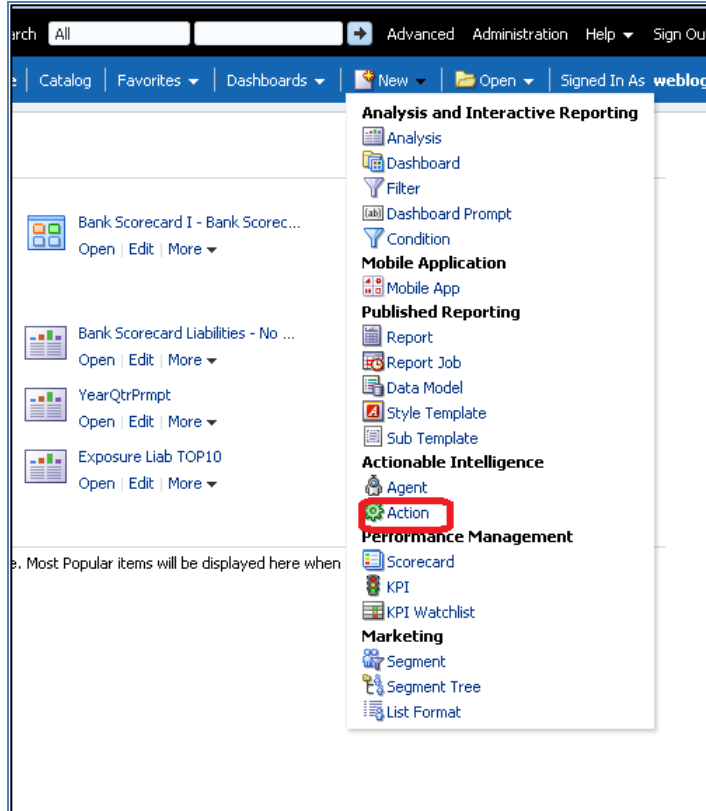
For Example:

```
<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>  
<AsyncLogon>
```

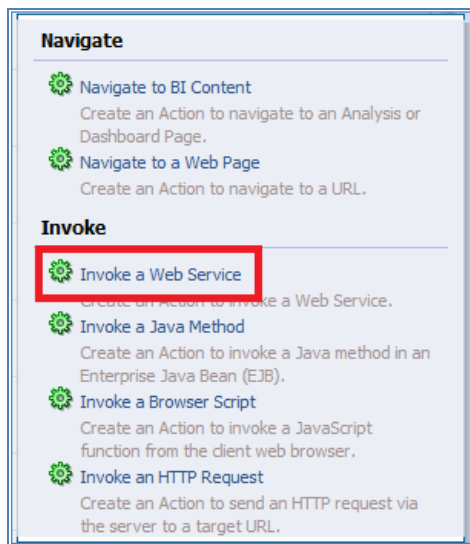

1.8 Creation and Maintenance of BPEL url.

1.8.1 Steps for creation of BPEL url.

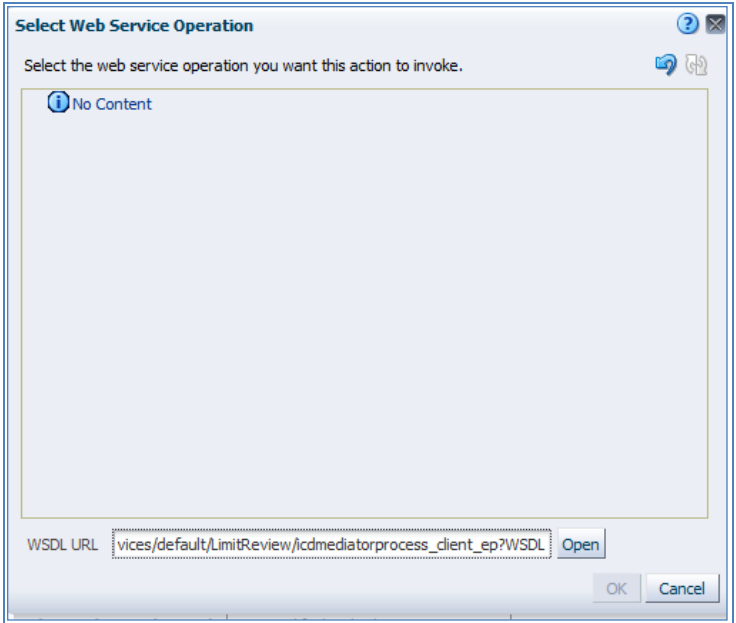
1. To create a BPEL task select the 'Action' from 'New'.



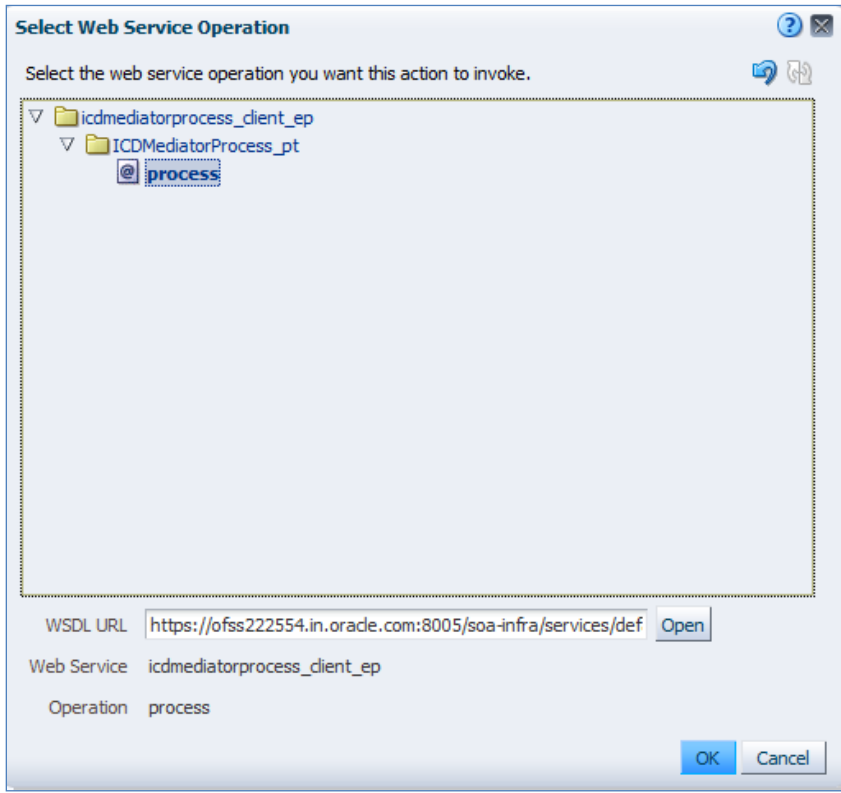
2. Select 'Invoke a Web Service'.



3. Now Enter the WSDL URL and click Open.

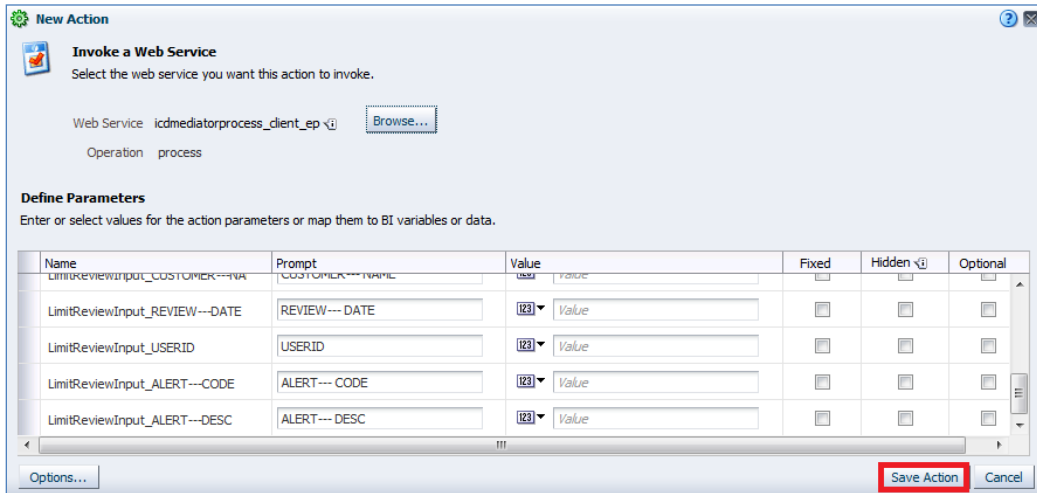


4. Navigate to the process and select Ok button.



5. Now the screen shows as follows.

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

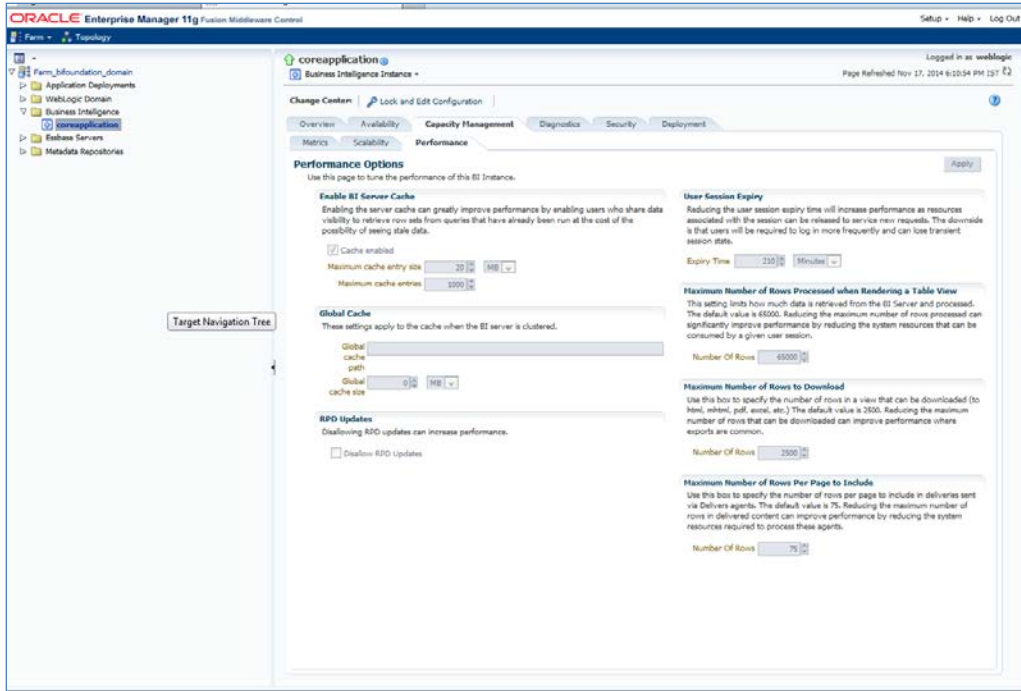


1.8.2 Steps for Maintenance of BPEL url.

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.

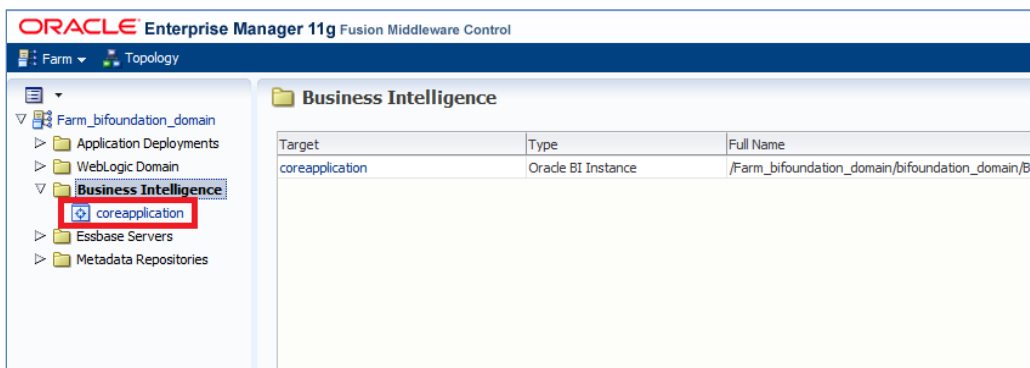
1.9 Disable Cache

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.

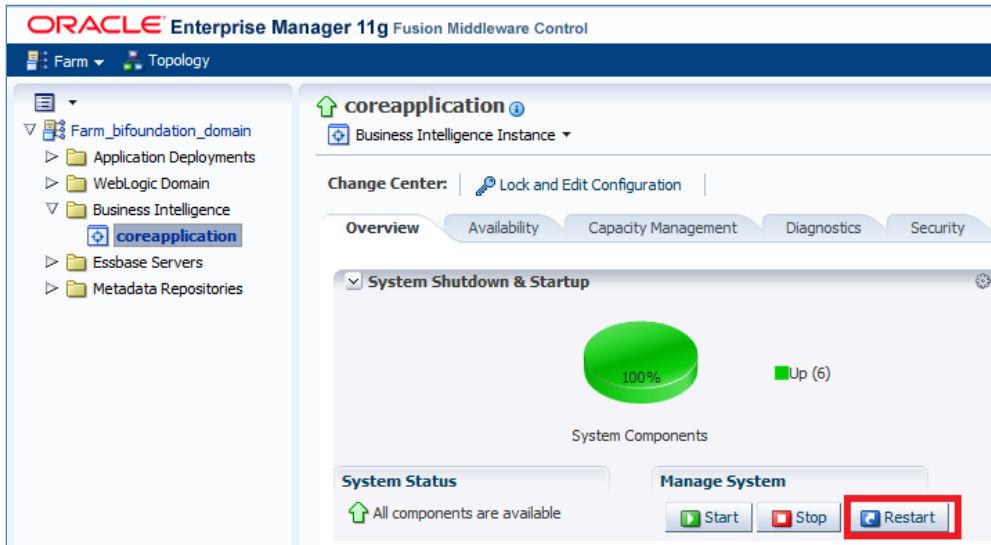


1.10 Restarting BI Components using EM Server

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'.



Oracle FLEXCUBE OBIEE Reports
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