

Oracle FLEXCUBE OBIEE Reports
Oracle FLEXCUBE Universal Banking
Release 12.4.0.0.0
[May] [2017]



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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

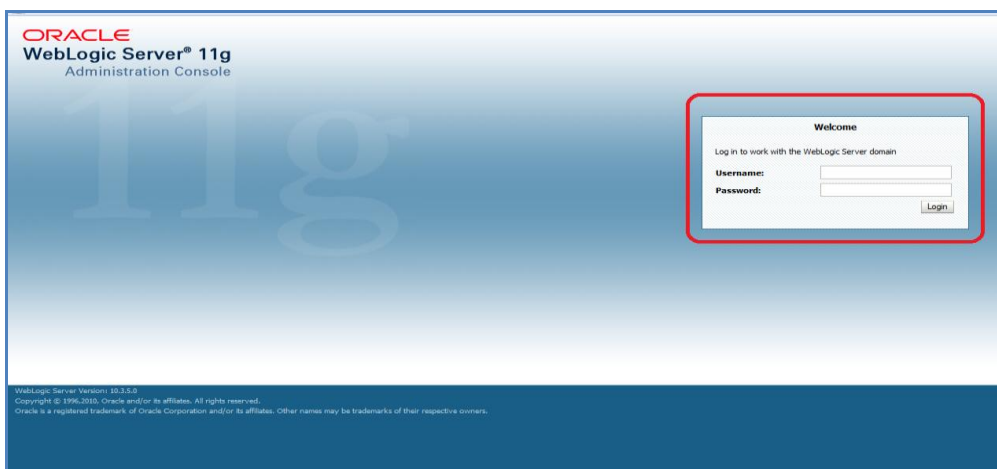
Note: If OBIEE is on SSL, valid SSL certificate is essential to invoke OBIEE screens from Oracle FLEXCUBE. If valid SSL certificate is not available, then the browser will show an error message when you try to invoke an OBIEE screen.

1.2 Creation of User with Administrator Rights

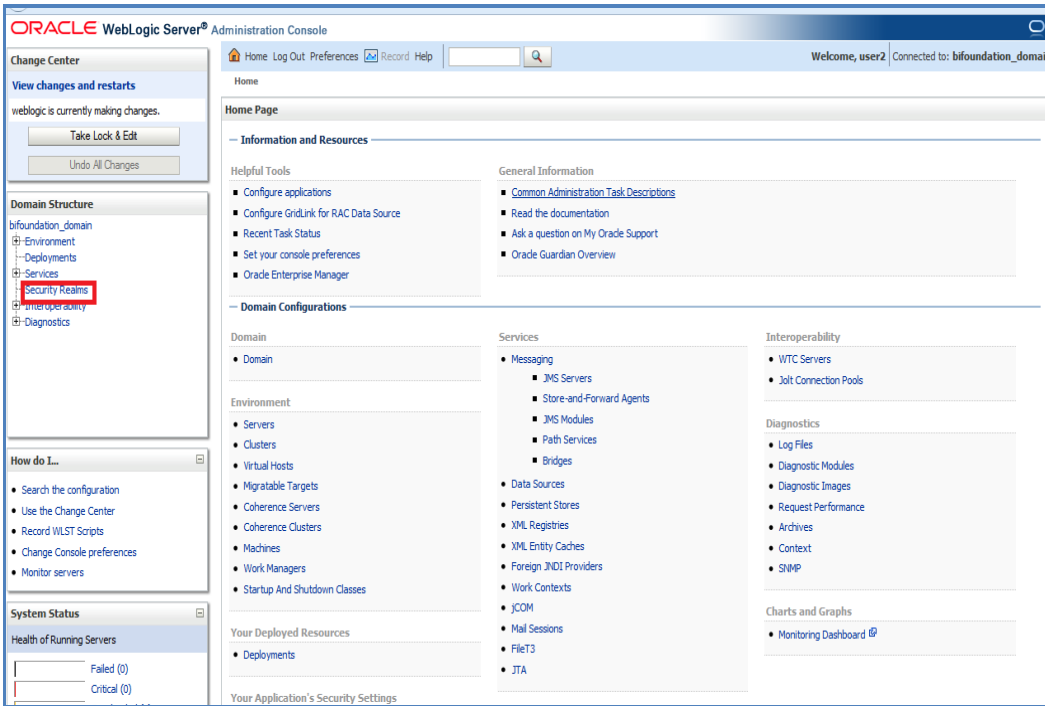
1.2.1 Steps to create user

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

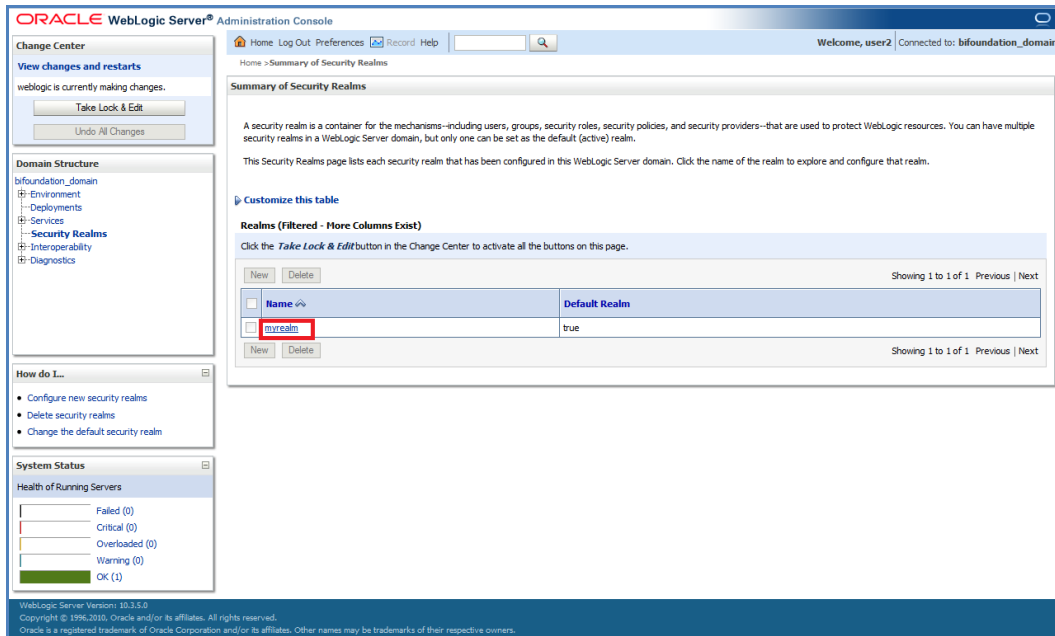
1. Login to OBIEE Admin console with admin credentials



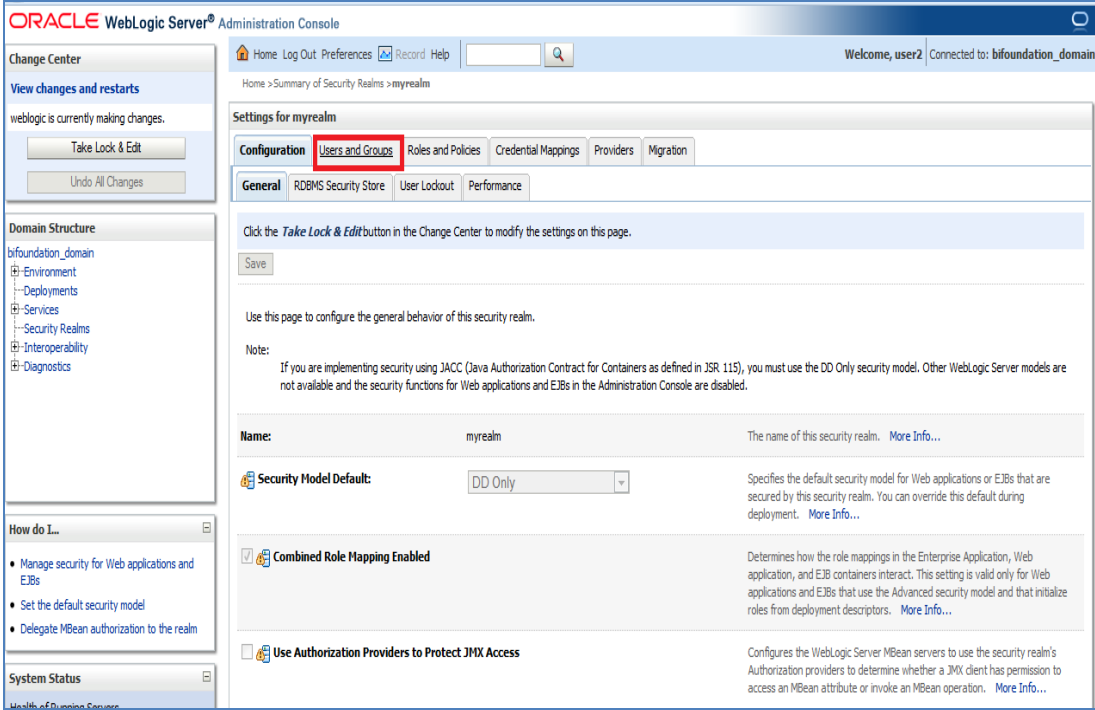
2. Once logged in click on security realms in the page



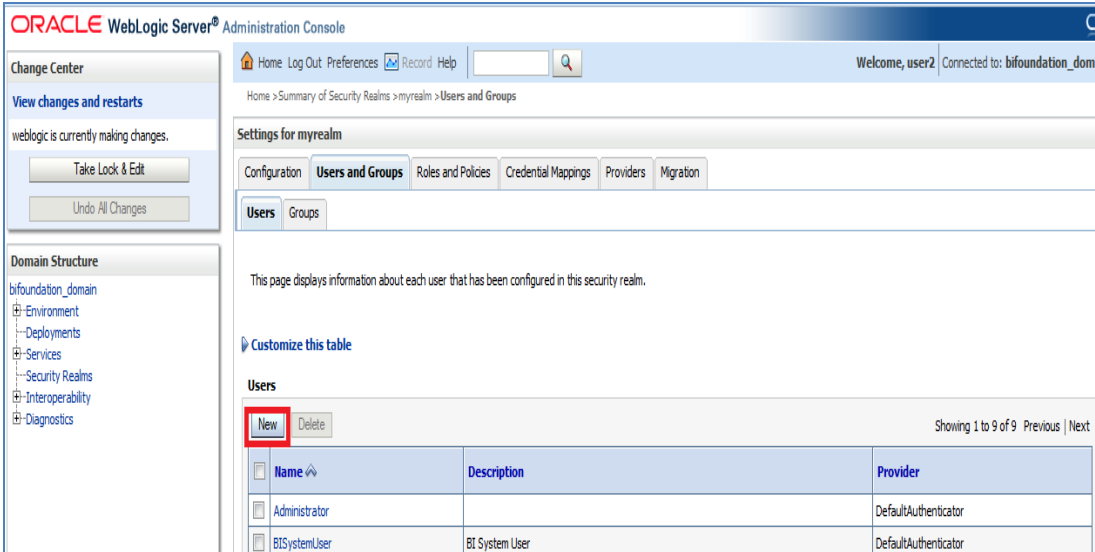
3. Next click on my realms as shown below



4. Next click on user and groups tab



5. Click on New for creating new user



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

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

Welcome, user2 | Connected to: bifoundation_domain

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 > Summary of Security Realms > myrealm > Users and Groups

Welcome, user2 | Connected to: bifoundation_domain

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

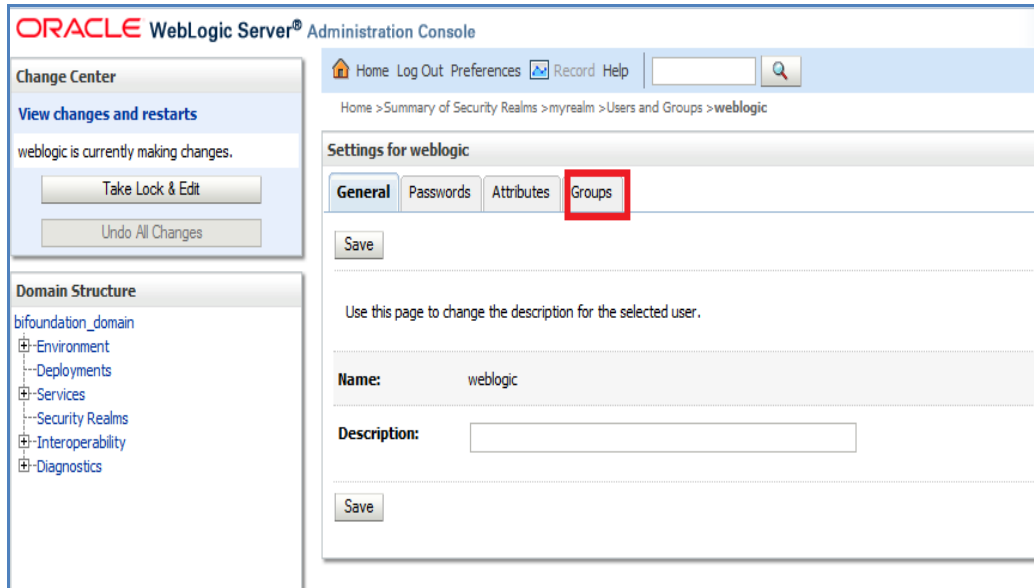
Showing 1 to 10 of 10 Previous | Next

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

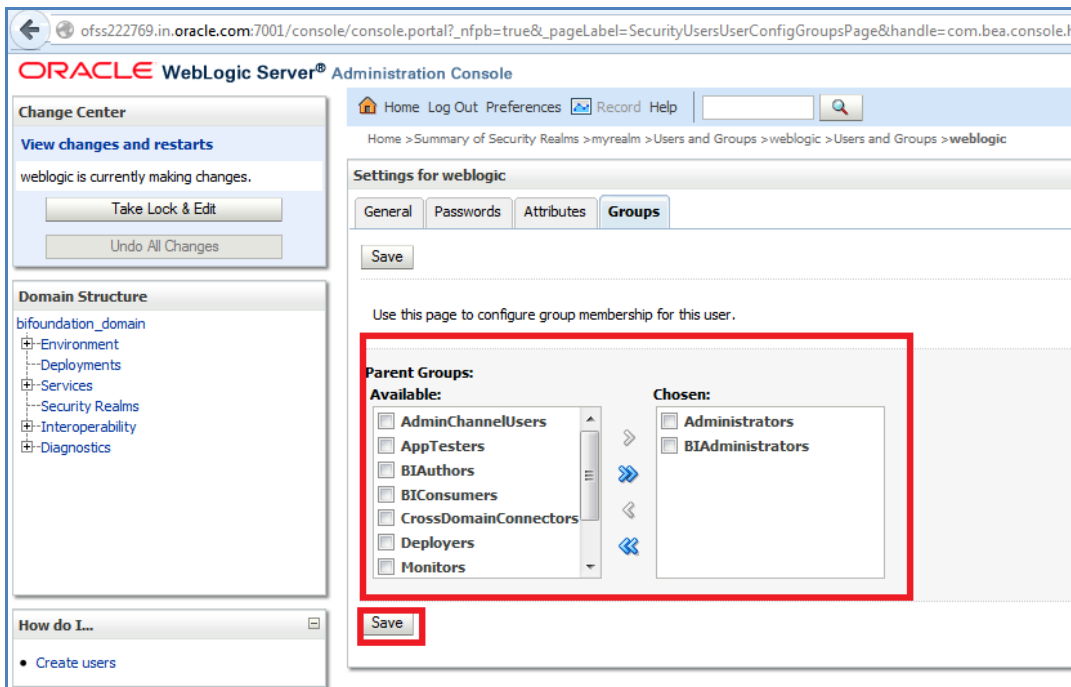
New Delete

Showing 1 to 10 of 10 Previous | Next

9. Next Click on Groups tab



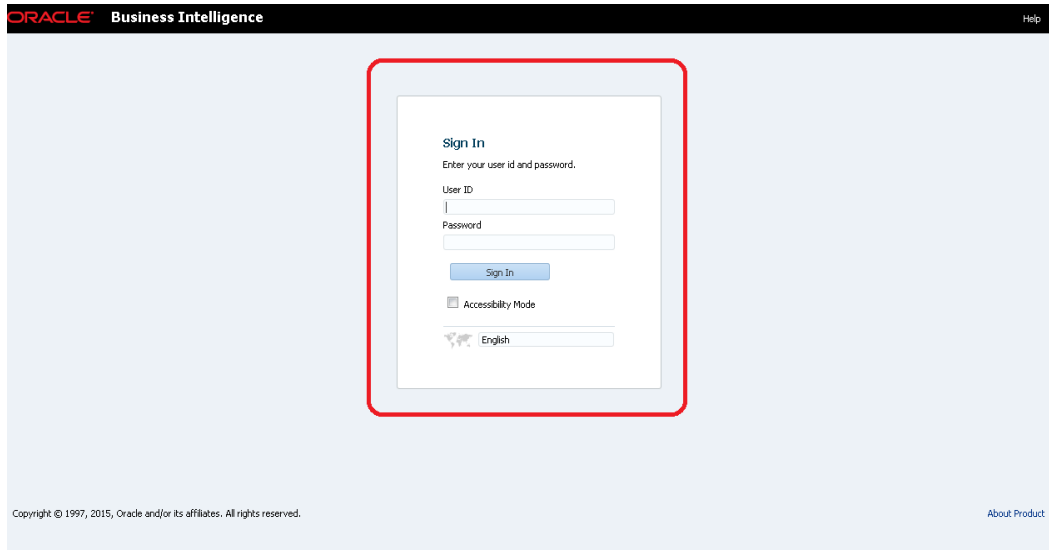
10. Assign the groups 'Administrators' and 'BIAdministrators' groups to **weblogic** user and click Save



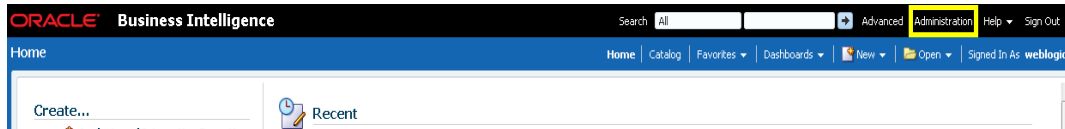
This completes user creation.
You can logout from here

1.3 Steps to implement access restrictions to user

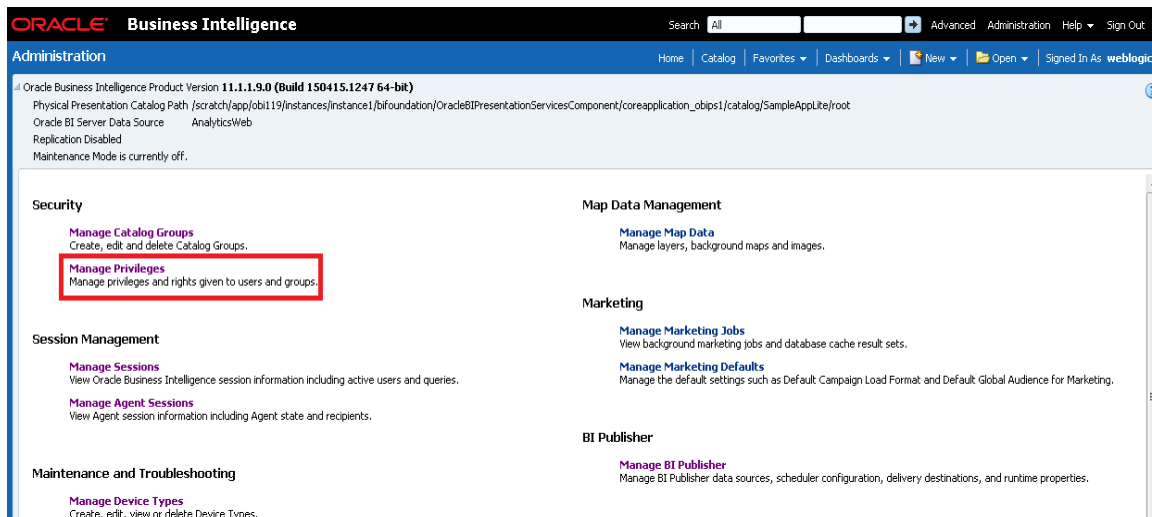
1. Login to OBIEE analytics Url with admin user credentials



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.

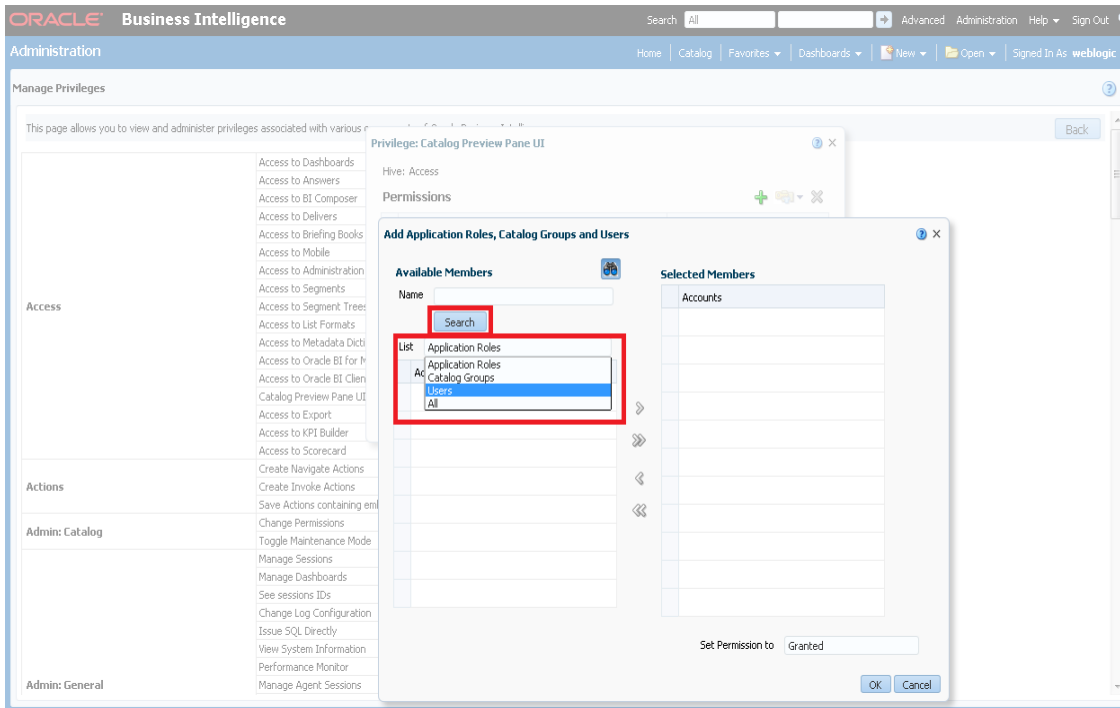
Access	Access to Dashboards	BI Consumer Role
	Access to Answers	BI Author Role
	Access to BI Composer	BI Author Role
	Access to Delivers	BI Author Role
	Access to Briefing Books	BI Consumer Role
	Access to Mobile	BI Consumer Role
	Access to Administration	BI Administrator Role
	Access to Segments	BI 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

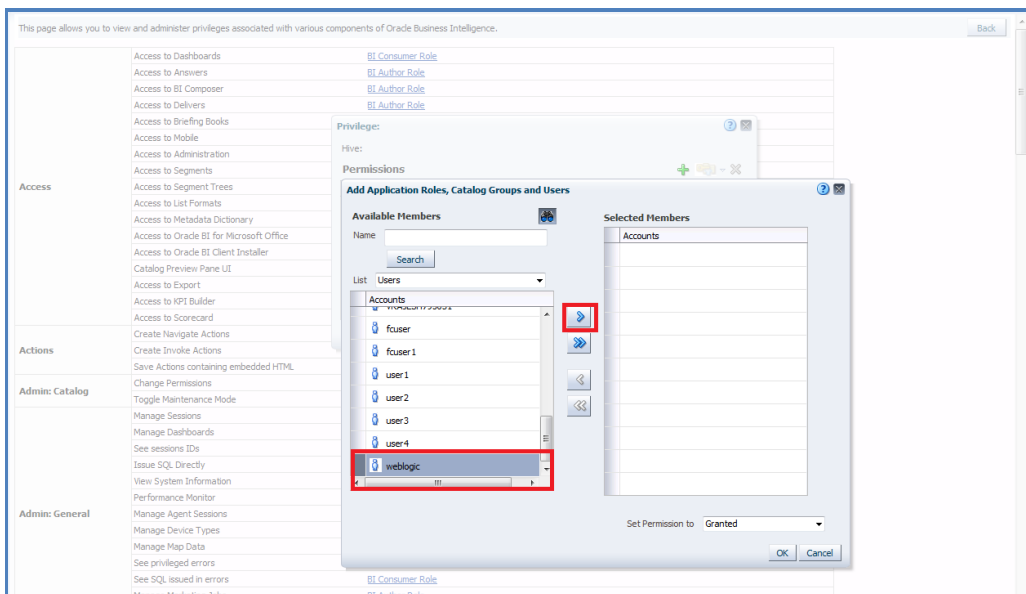
The screenshot shows the Oracle Business Intelligence Administration console. The 'Manage Privileges' dialog is open for the 'Catalog Preview Pane UI' privilege. The dialog has a 'Hive: Access' section and a 'Permissions' table. The 'Permissions' table has two columns: 'Accounts' and 'Permissions'. The 'Accounts' column contains 'BI Consumer Role' and the 'Permissions' column contains 'Granted'. A red box highlights the '+' icon in the top right corner of the dialog, indicating where to click to add or modify permissions.

Accounts	Permissions
BI Consumer Role	Granted

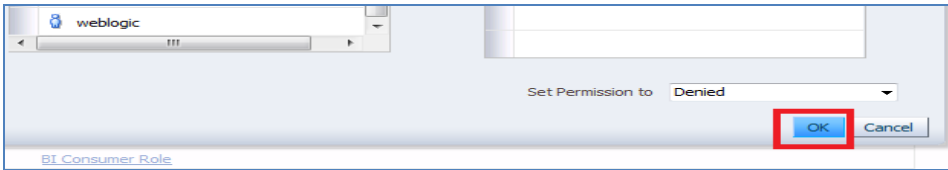
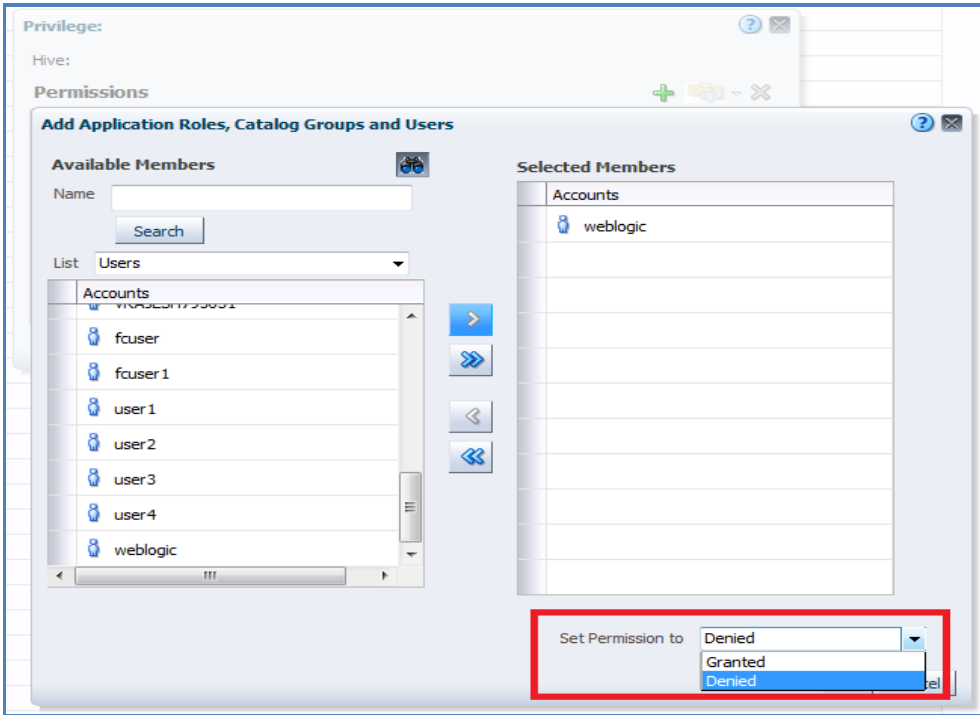
6. Select users from the dropdown shown and click on Search



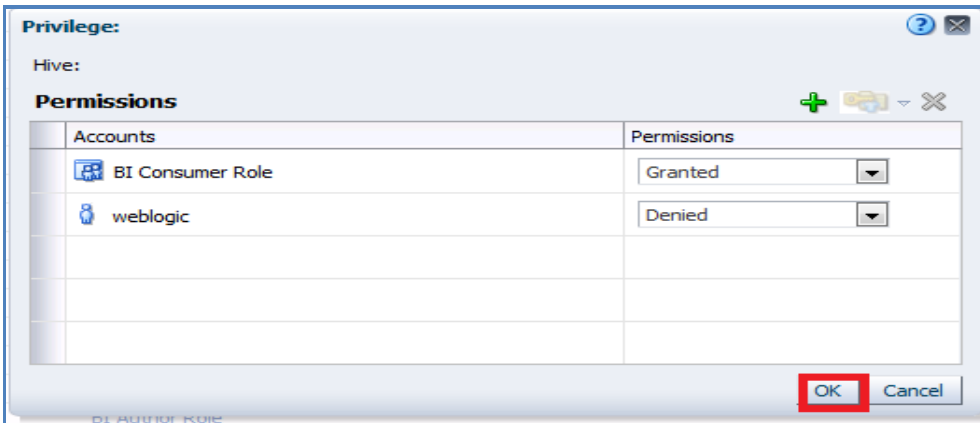
7. Select 'weblogic' user and click on the arrow to move to Selected Members



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	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	Add To or Edit a Briefing Book	BI Author Role
	Download Briefing Book	BI Consumer Role Denied: weblogic
	Add to snapshot briefing book	BI Consumer Role
Catalog	Personal Storage (My Folders and My Dashboard)	BI Consumer Role Denied: weblogic
	Reload Metadata	BI Administrator Role
	See Hidden Items	BI Author Role
	Create Folders	BI Author Role
	Archive Catalog	BI Administrator Role
	Unarchive Catalog	BI Administrator Role
	Upload Files	BI Administrator Role
Conditions	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
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
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		
	Delivers	BI Administrator Role
	Execute Direct Database Analysis	BI Administrator Role weblogic
	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
	Proxy	Denied: Authenticated User
	RSS Feeds	BI Consumer Role
	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 weblogic
	Add Scorecard Views To Dashboards	BI Consumer Role
	Scorecard	

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_obis1
2. Open NQSConfig 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>

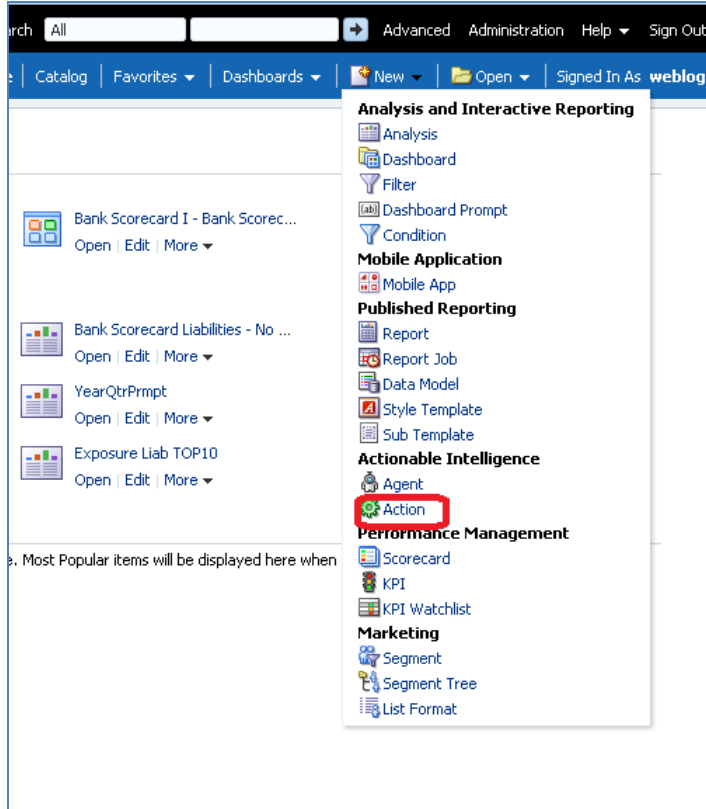
For Example:

```
<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>
<AsyncLogon>
```

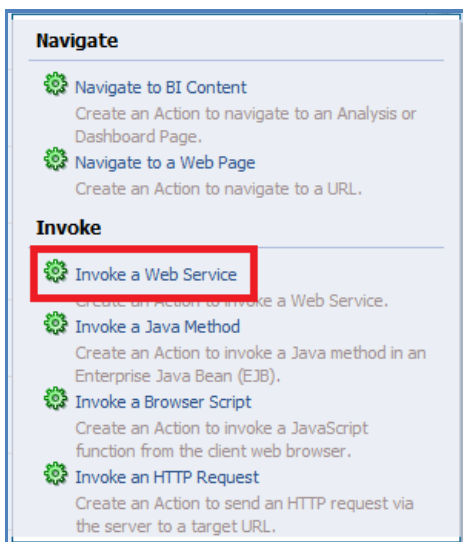

1.8 Creation and Maintenance of BPEL url.

1.8.1 Steps for creation of BPEL url.

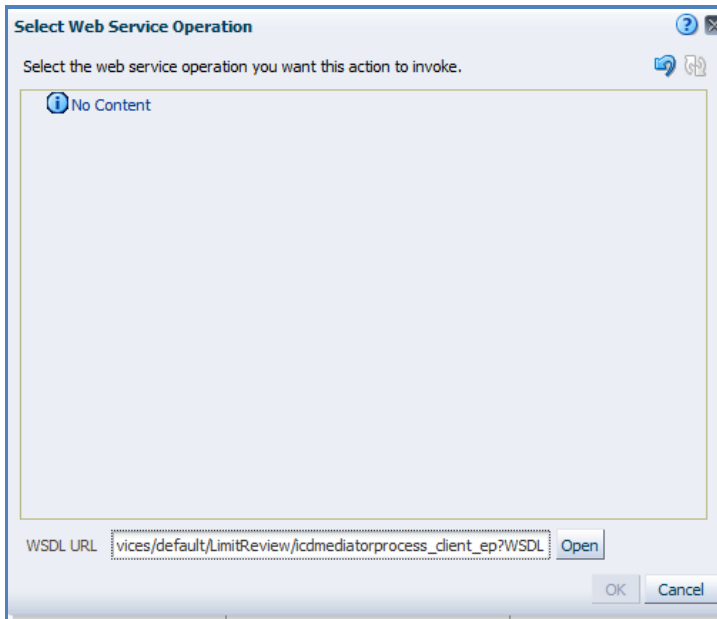
1.To create a BPEL task select the Action from New.



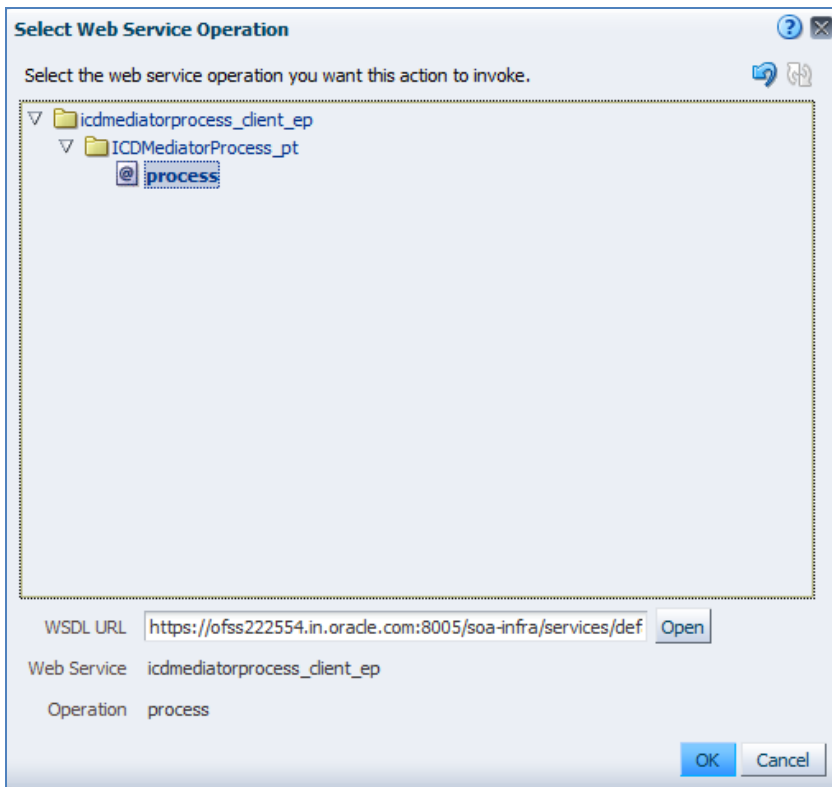
2.Select 'Invoke a Web Service'.



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

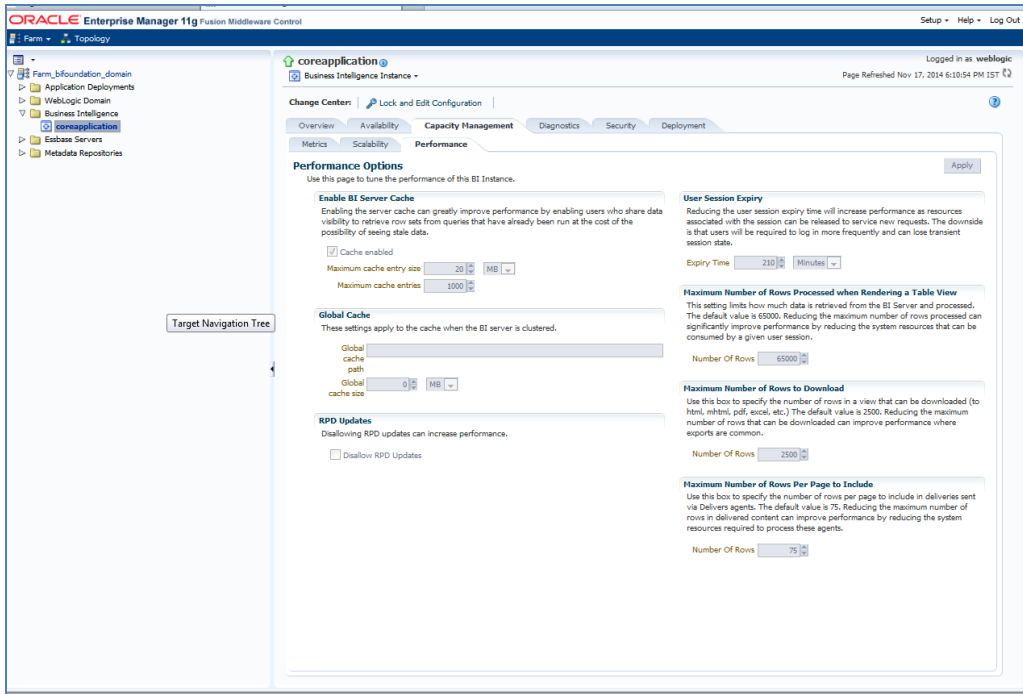
Name	Prompt	Value	Fixed	Hidden	Optional
LimitReviewInput_CUSTOMER---NAME	CUSTOMER---NAME	[23] Value	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
LimitReviewInput_REVIEW---DATE	REVIEW---DATE	[23] Value	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
LimitReviewInput_USERID	USERID	[23] Value	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
LimitReviewInput_ALERT---CODE	ALERT---CODE	[23] Value	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
LimitReviewInput_ALERT---DESC	ALERT---DESC	[23] 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.

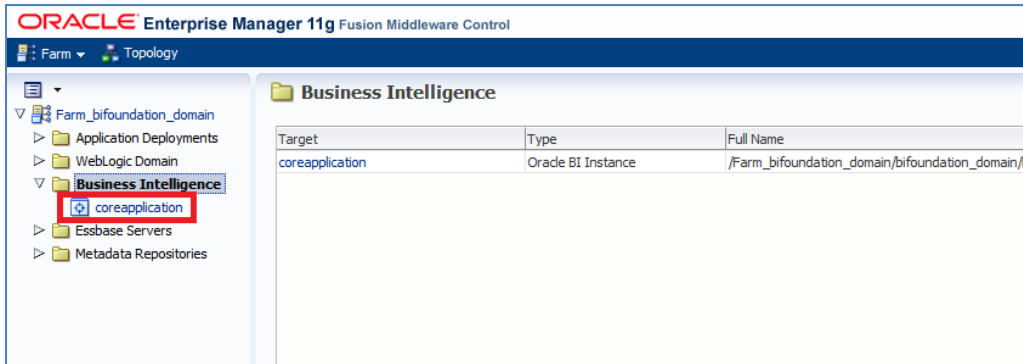
1.9 Disable Cache

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.

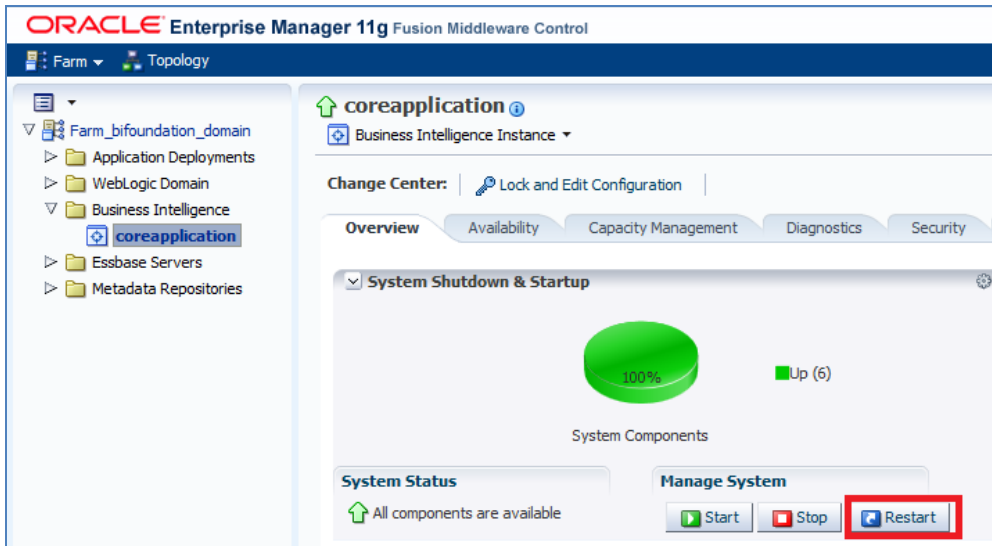


1.10 Restarting BI Components using EM Server

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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