

Oracle FLEXCUBE OBIEE Reports  
Oracle FLEXCUBE Investor Servicing  
Release 14.5.0.0.0  
[May] [2021]



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# 1. Oracle FLEXCUBE OBIEE Reports Setting

## 1.1 Introduction

This document covers the setting required to launch OBIEE reports from within Oracle 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
- Server file changes
- Creation and Maintenance of BPEL URL.
- Disable Cache
- Restarting BI Components using EM Server

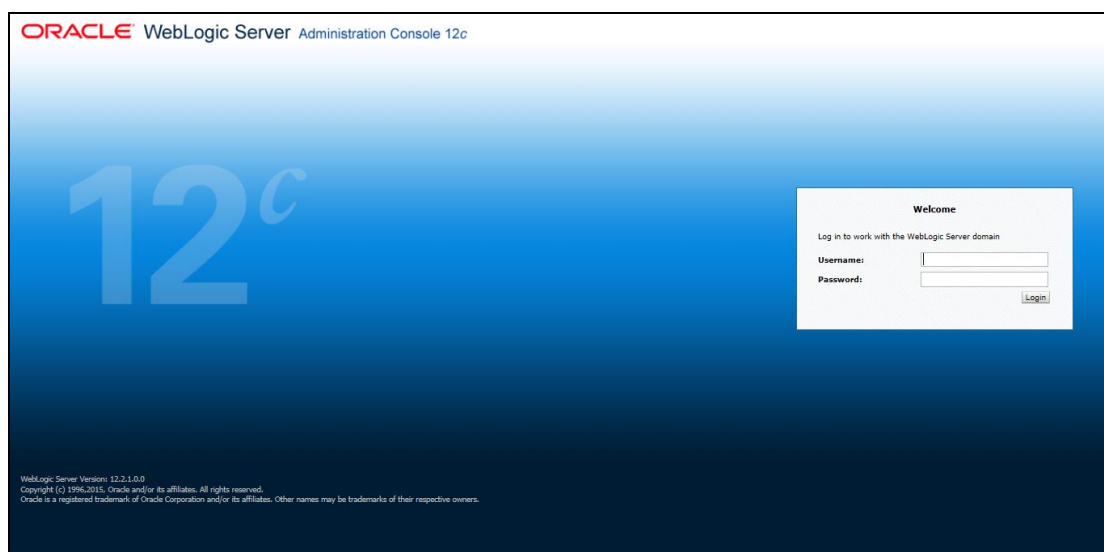
**Note:** If OBIEE is on SSL, valid SSL certificate is essential to invoke OBIEE screens from Oracle FLEXCUBE. If valid SSL certificate is not available, then the browser will show an error message when you try to invoke an OBIEE screen.

## 1.2 Creation of User with Administrator Rights

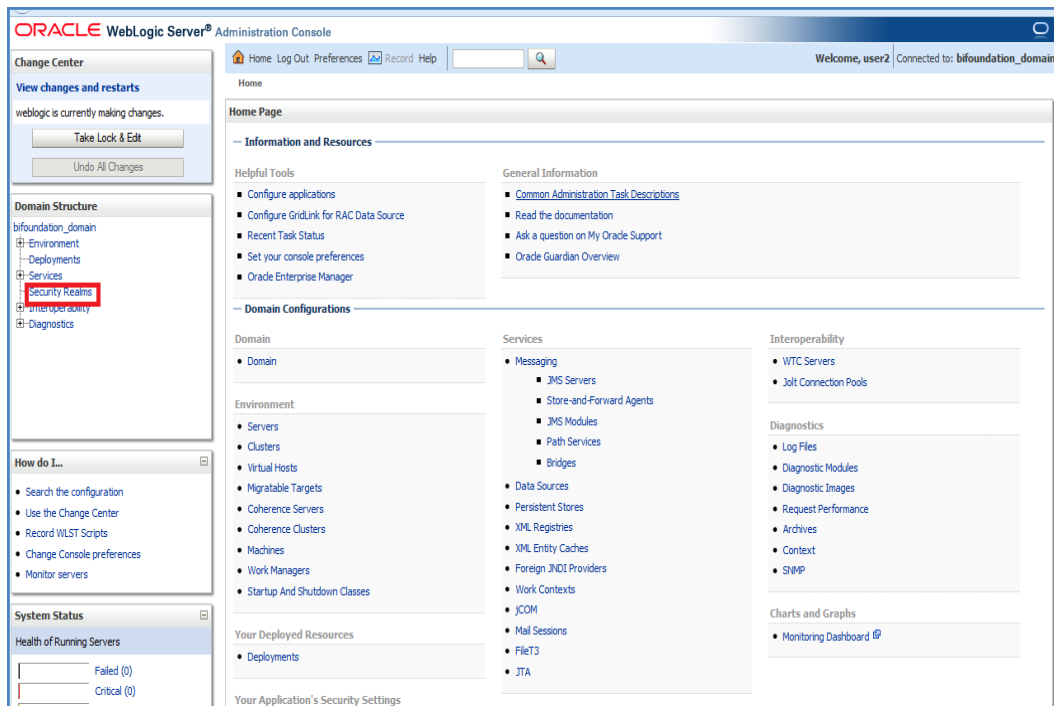
### 1.2.1 Steps to create user

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

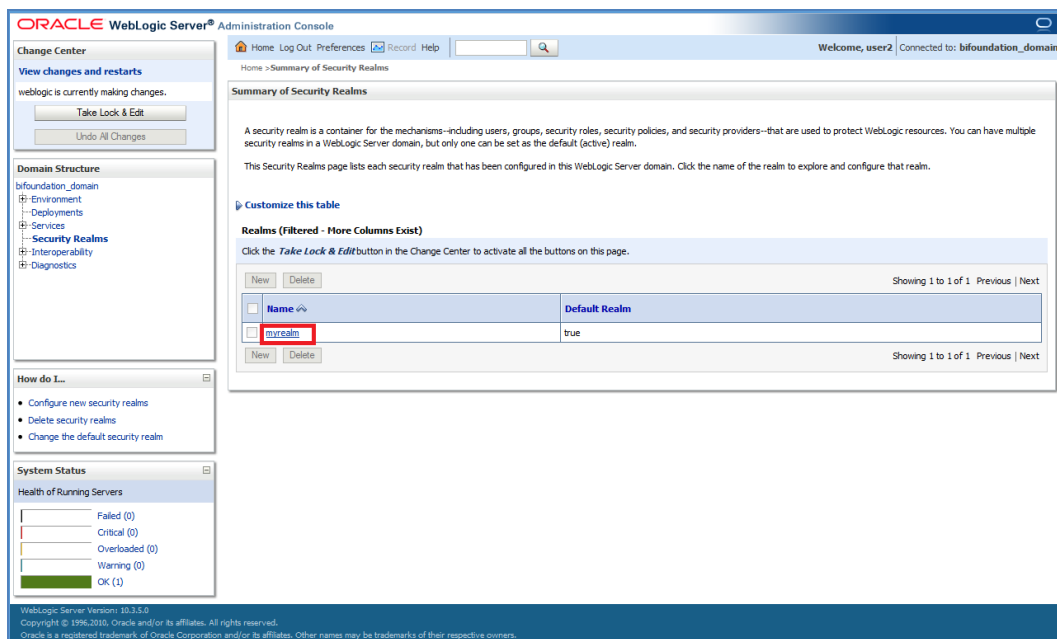
1. Login to OBIEE Admin console with admin credentials



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' and 'Domain Structure' panels. The main area displays the 'Settings for myrealm' page with the 'Users and Groups' tab selected. The 'General' sub-tab is active, showing configuration options for the security realm. A red box highlights the 'Users and Groups' tab in the top navigation bar.

**Oracle WebLogic Server® Administration Console**

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

Home > Summary of Security Realms > myrealm

**Settings for myrealm**

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

General RDBMS Security Store User Logout Performance

Click the **Take Lock & Edit** button in the Change Center to modify the settings on this page.

Save

Use this page to configure the general behavior of this security realm.

**Note:**  
If you are implementing security using JACC (Java Authorization Contract for Containers as defined in JSR 115), you must use the DD Only security model. Other WebLogic Server models are not available and the security functions for Web applications and EJBs in the Administration Console are disabled.

**Name:** myrealm The name of this security realm. [More Info...](#)

**Security Model Default:** DD Only Specifies the default security model for Web applications or EJBs that are secured by this security realm. You can override this default during deployment. [More Info...](#)

☒ **Combined Role Mapping Enabled** Determines how the role mappings in the Enterprise Application, Web application, and EJB containers interact. This setting is valid only for Web applications and EJBs that use the Advanced security model and that initialize roles from deployment descriptors. [More Info...](#)

☐ **Use Authorization Providers to Protect JMX Access** Configures the WebLogic Server MBean servers to use the security realm's Authorization providers to determine whether a JMX client has permission to access an MBean attribute or invoke an MBean operation. [More Info...](#)

#### 5. Click on New for creating new user

The screenshot shows the Oracle WebLogic Server Administration Console with the 'Users and Groups' tab selected. The 'Users' sub-tab is active, displaying a table of configured users. A red box highlights the 'New' button in the 'Customize this table' section.

**Oracle WebLogic Server® Administration Console**

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

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

**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 9 of 9 Previous Next

Name	Description	Provider
Administrator		DefaultAuthenticator
BISystemUser	BI System User	DefaultAuthenticator

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: weblogic

How would you like to describe the new User?

Description:

Please choose a provider for the user.

Provider: DefaultAuthenticator

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

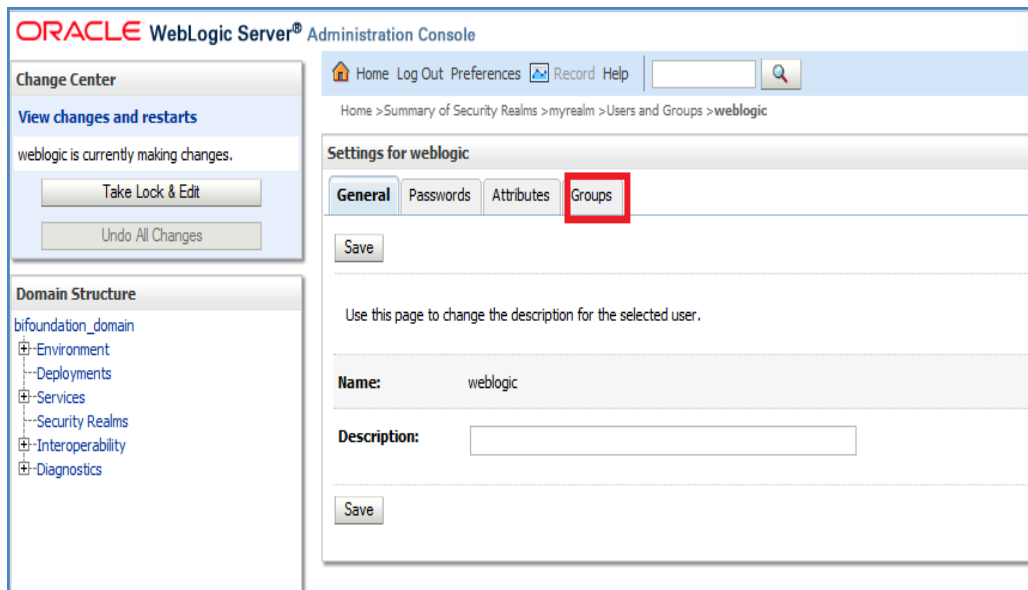
Users

New Delete Showing 1 to 10 of 10 Previous Next

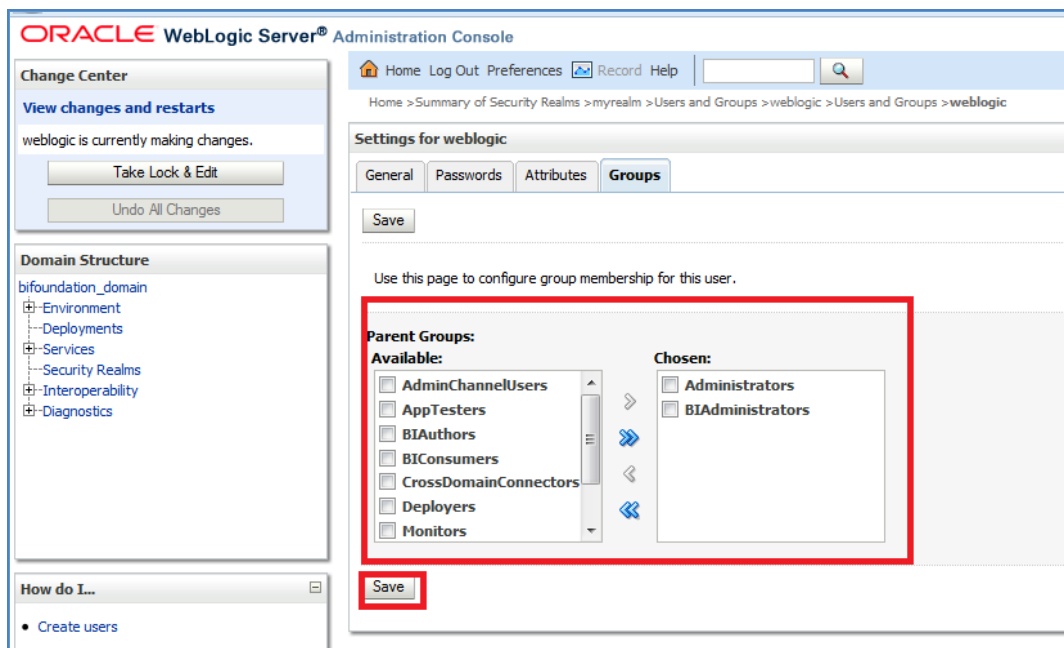
Name	Description	Provider
Administrator		DefaultAuthenticator
BISystemUser	BI System User	DefaultAuthenticator
fcuser		DefaultAuthenticator
fcuser1		DefaultAuthenticator
OracleSystemUser	Oracle application software system user.	DefaultAuthenticator
user1		DefaultAuthenticator
user2		DefaultAuthenticator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

New Delete Showing 1 to 10 of 10 Previous Next

9. Next Click on Groups tab



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

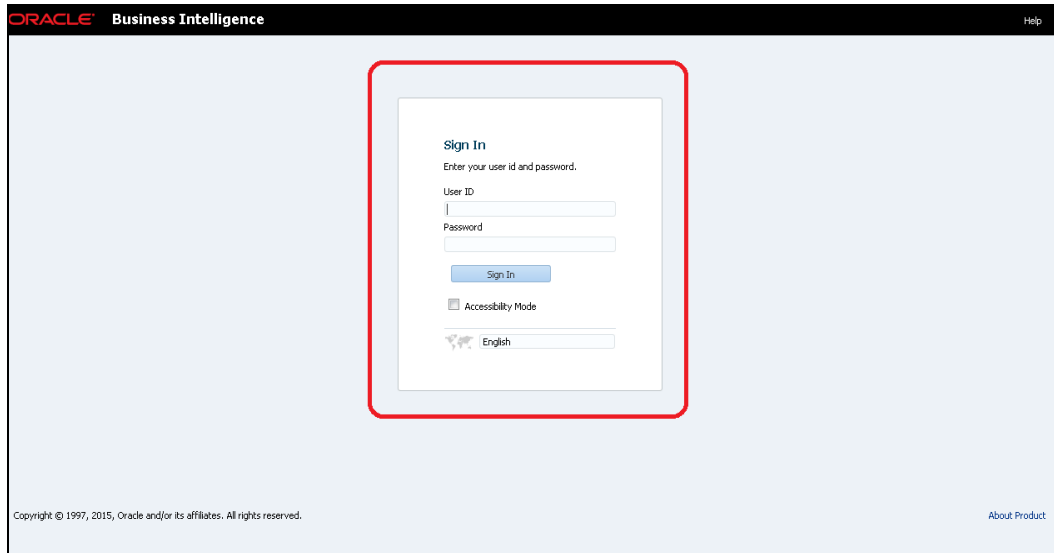


This completes user creation.

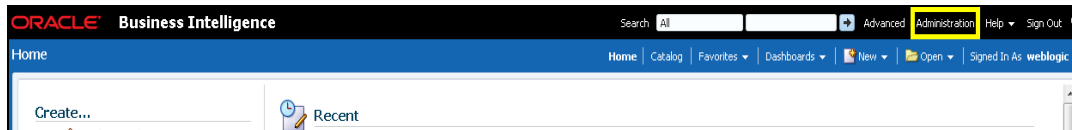
You can logout from here

## 1.3 Steps to implement access restrictions to user

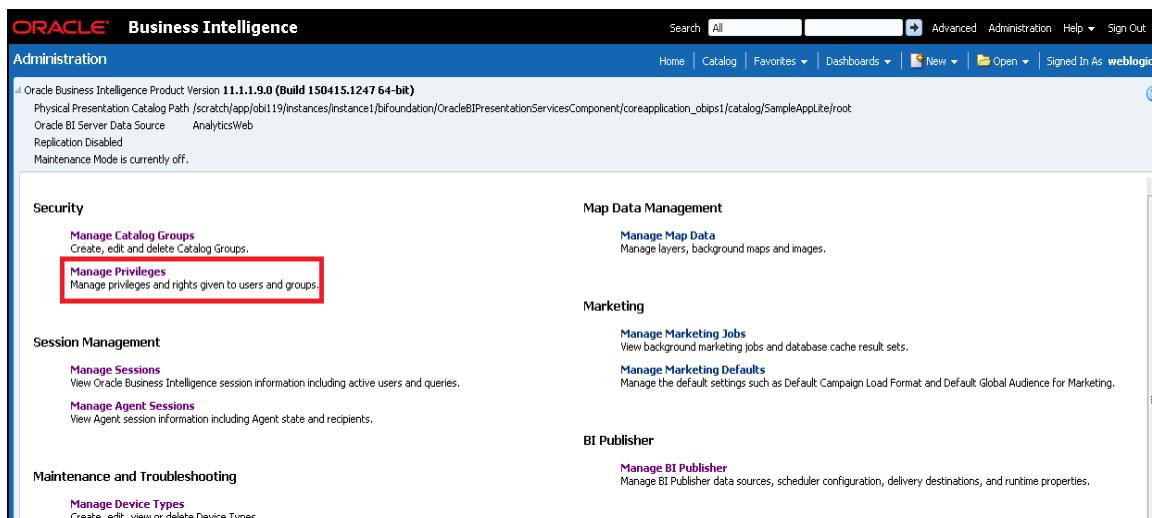
1. Login to OBIEE analytics Url with admin user credentials



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

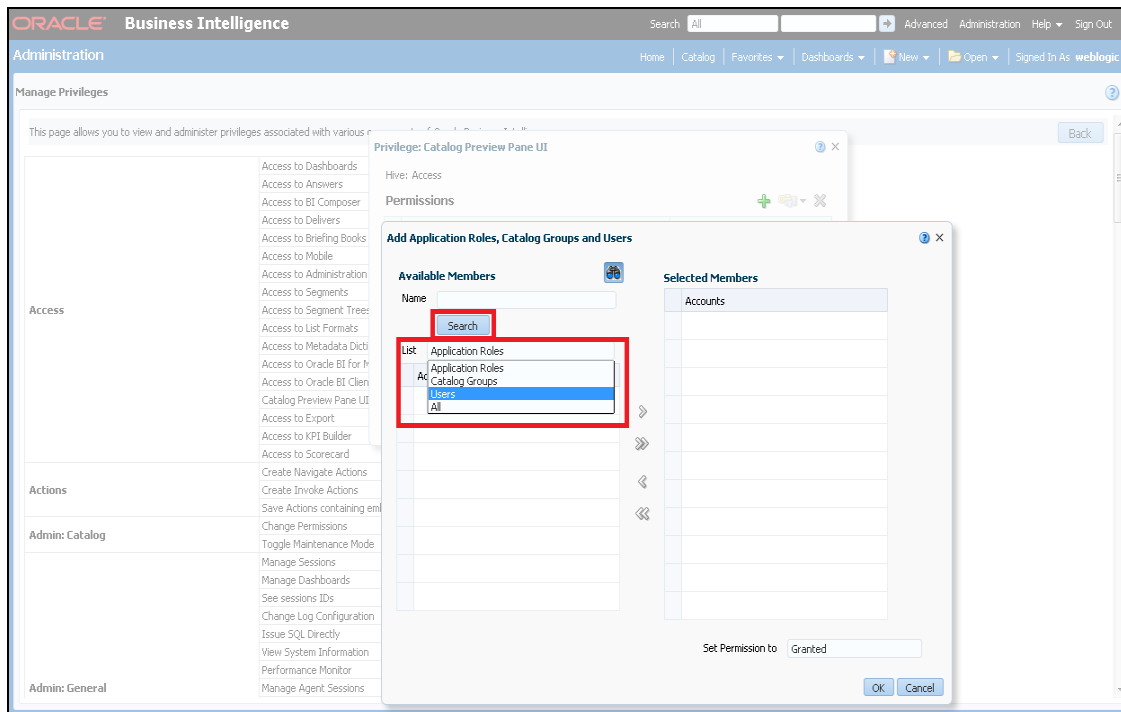
This page allows you to view and administer privileges associated with various components of Oracle Business Intelligence.		
Access	Access to Dashboards	<a href="#">BI Consumer Role</a>
	Access to Answers	<a href="#">BI Author Role</a>
	Access to BI Composer	<a href="#">BI Author Role</a>
	Access to 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>
	Access to Export	<a href="#">BI Consumer Role</a>
Actions	Access to KPI Builder	<a href="#">BI Author Role</a>
	Access to Scorecard	<a href="#">BI Consumer Role</a>

5. Next click on '+' symbol

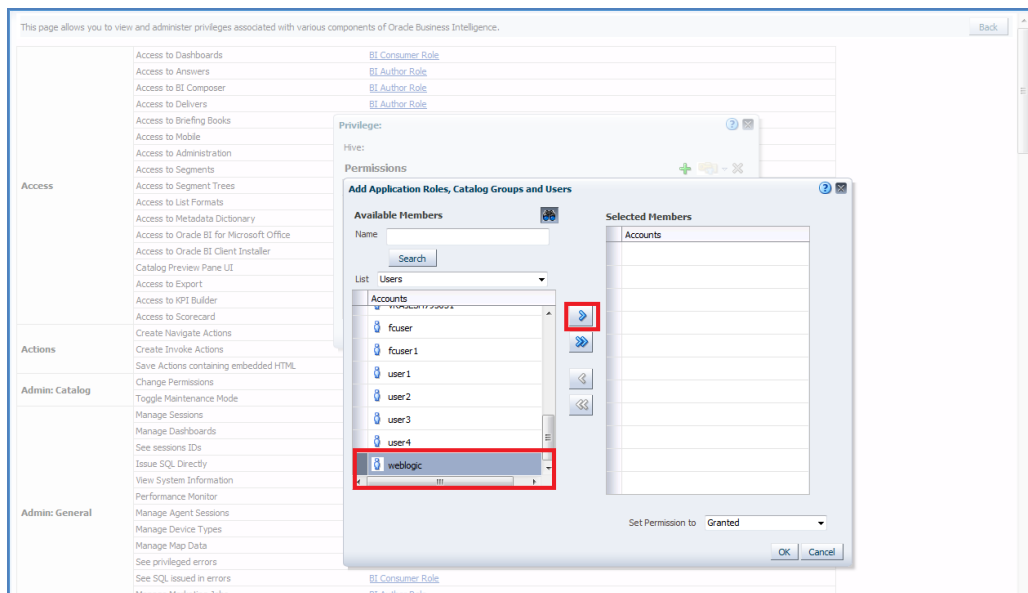
The screenshot shows the Oracle Business Intelligence Administration console. A modal dialog titled 'Privilege: Catalog Preview Pane UI' is open. The dialog has a 'Permissions' tab. Inside the dialog, there is a table with two columns: 'Accounts' and 'Permissions'. The 'Accounts' column lists 'BI Consumer Role'. The 'Permissions' column shows '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

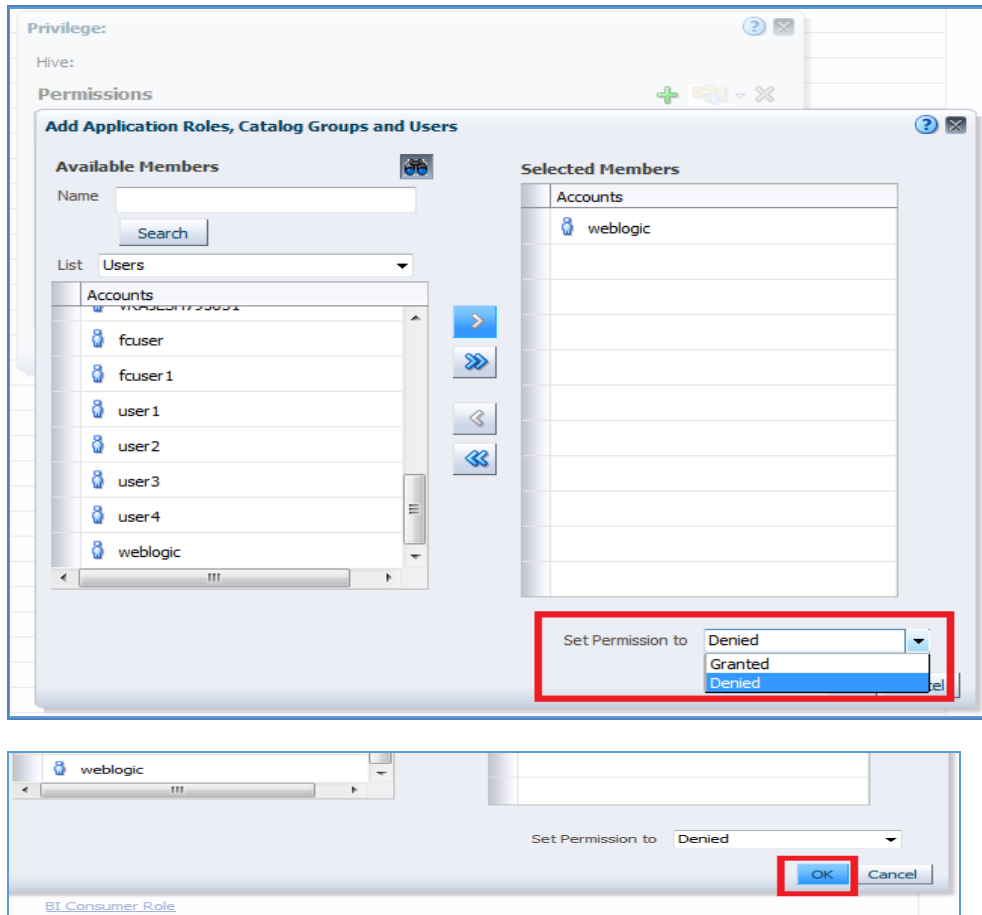
6. Select users from the dropdown shown and click on Search



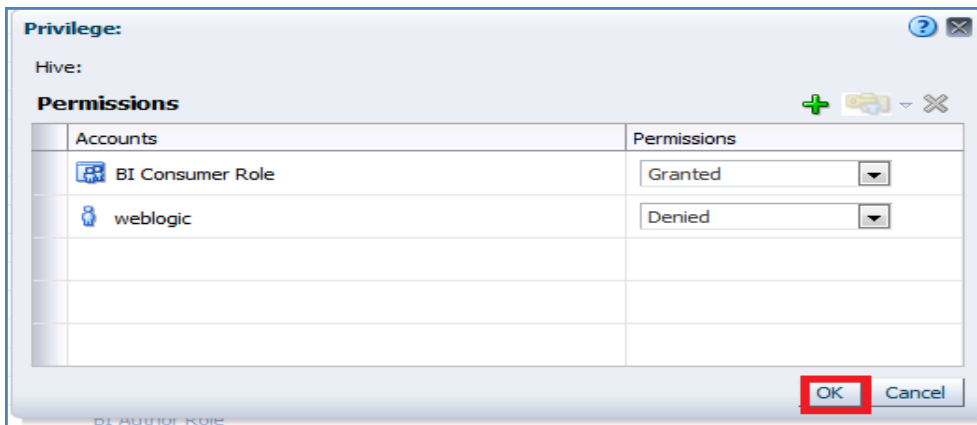
7. Select 'weblogic' user and click on the arrow to move to Selected Members



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	<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> <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	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 XPI 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		
ALLOWED TO PERFORM ACTIONS USING		
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
	Perform Global Search	BI Author Role
Conditions	Perform Extended Search	BI Author Role
	Create Conditions	BI Author Role
Dashboards	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		
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	<b>weblogic</b> <del>Denied: Authenticated User</del>
	Manage Write Back	BI Administrator Role <b>weblogic</b>

Administration		
Home		
Manage Privileges		
Delivers	Execute Direct Database Analysis	BI Administrator Role <b>weblogic</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
Proxy	Act As Proxy	<del>Denied: Authenticated User</del>
RSS Feeds	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 <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 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/coreap  
plication\_obips1
4. Open instanceconfig file and add the following line after </BIComposer>

<LightWriteback>true</LightWriteback>

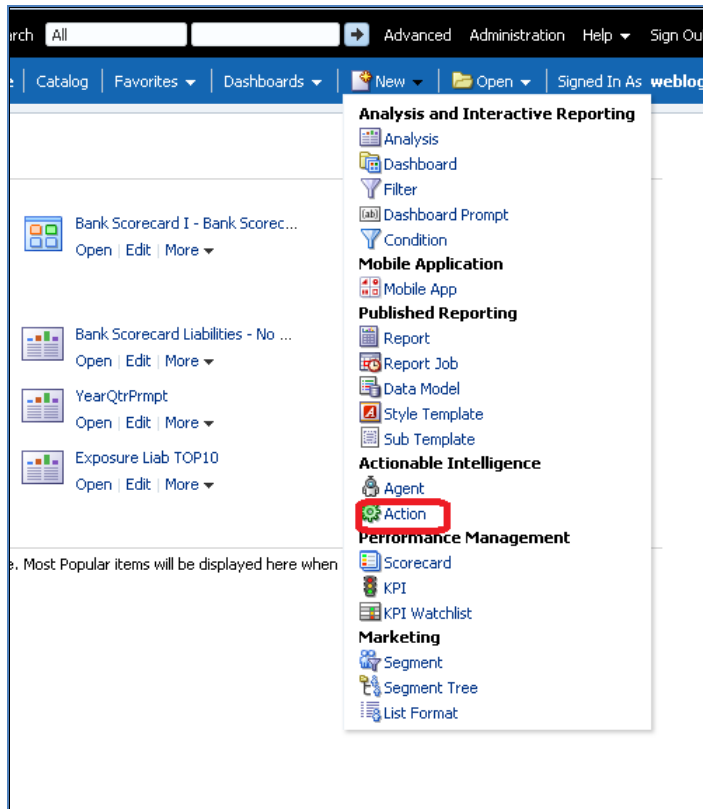
For Example:

```
<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>
<AsvncLogon>
```

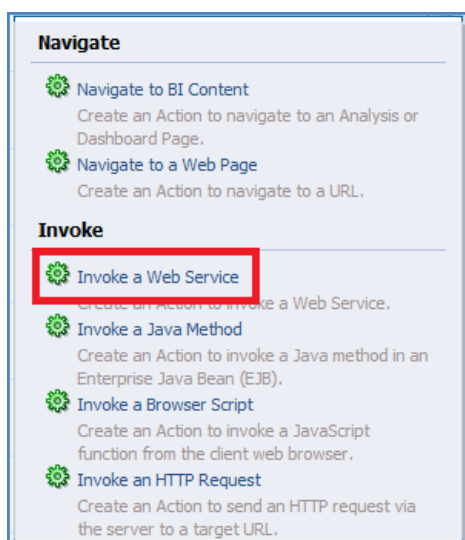
## 1.6 Creation and Maintenance of BPEL url.

### 1.6.1 Steps for creation of BPEL URL

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

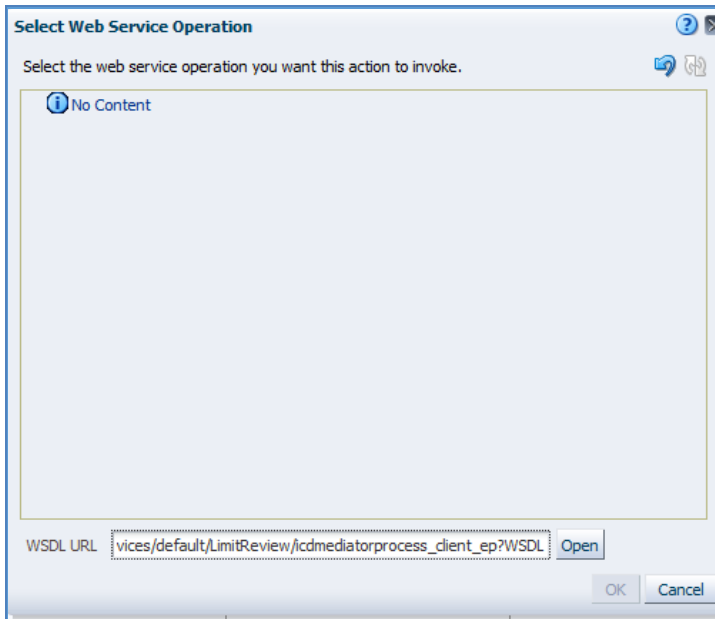


2. Select 'Invoke a Web Service'.

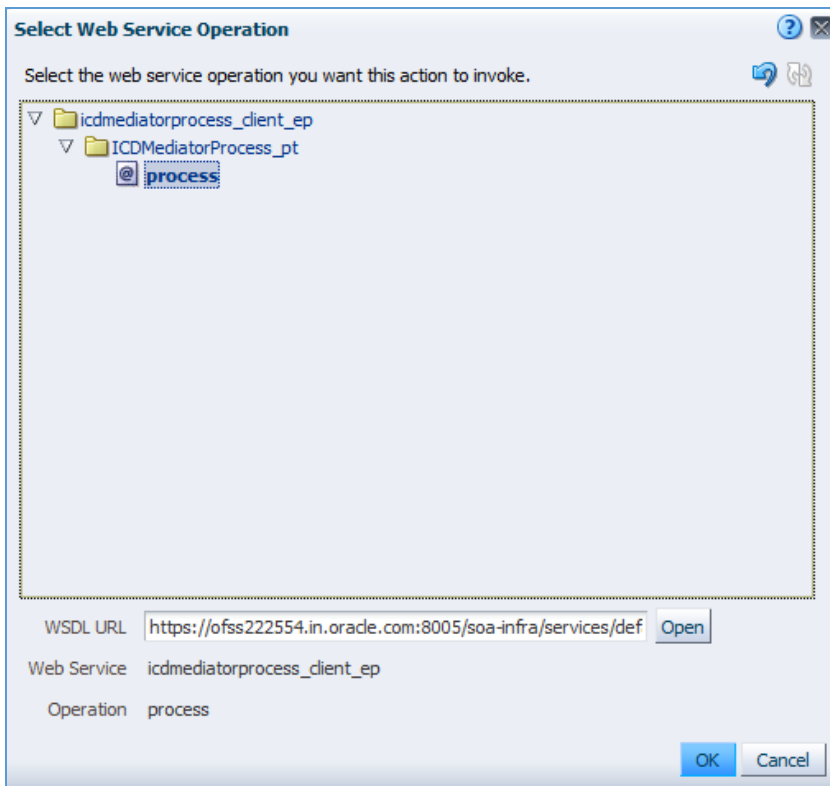




3. Now Enter the WSDL URL and click Open



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'.

**New Action**

**Invoke a Web Service**  
Select the web service you want this action to invoke.

Web Service: icdmediatorprocess\_client\_ep

Operation: process

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

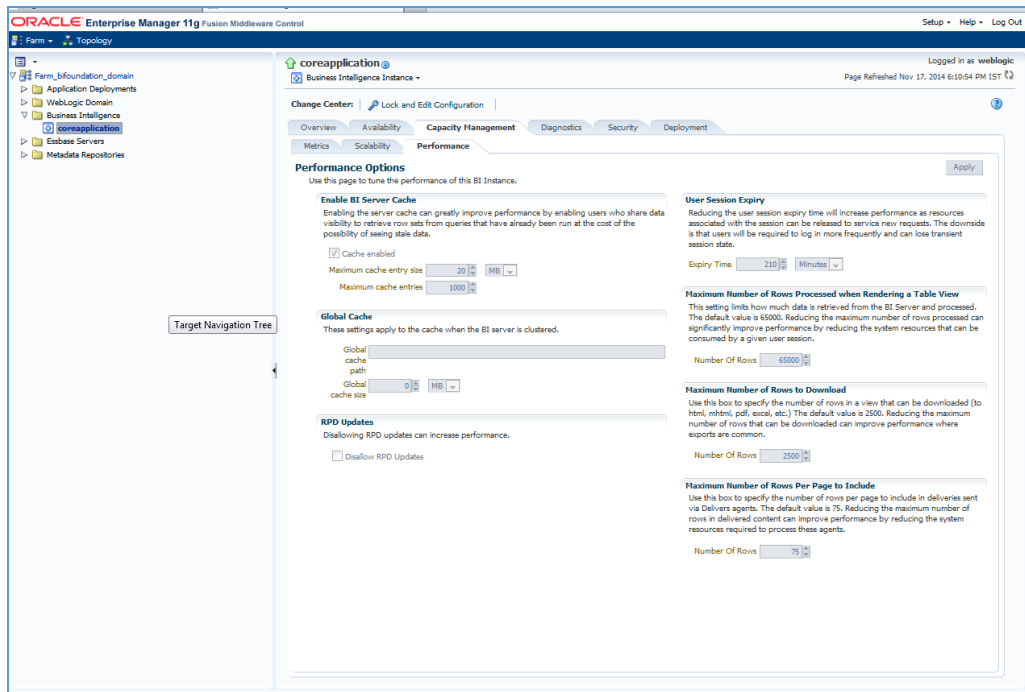
Name	Prompt	Value	Fixed	Hidden	Optional
LimitReviewInput_CUSTOMER---NAME	CUSTOMER---NAME	<input type="text" value="Value"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
LimitReviewInput_REVIEW---DATE	REVIEW---DATE	<input type="text" value="Value"/>	<input type="checkbox"/>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

### 1.6.2 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.

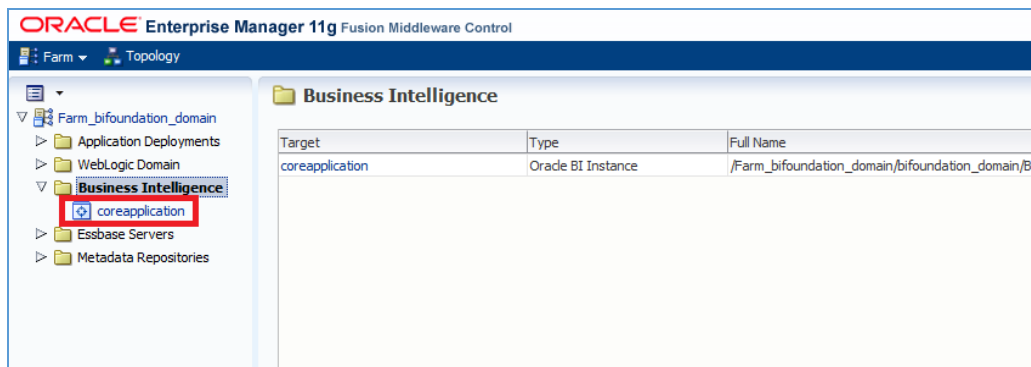
## 1.7 Disable Cache

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.

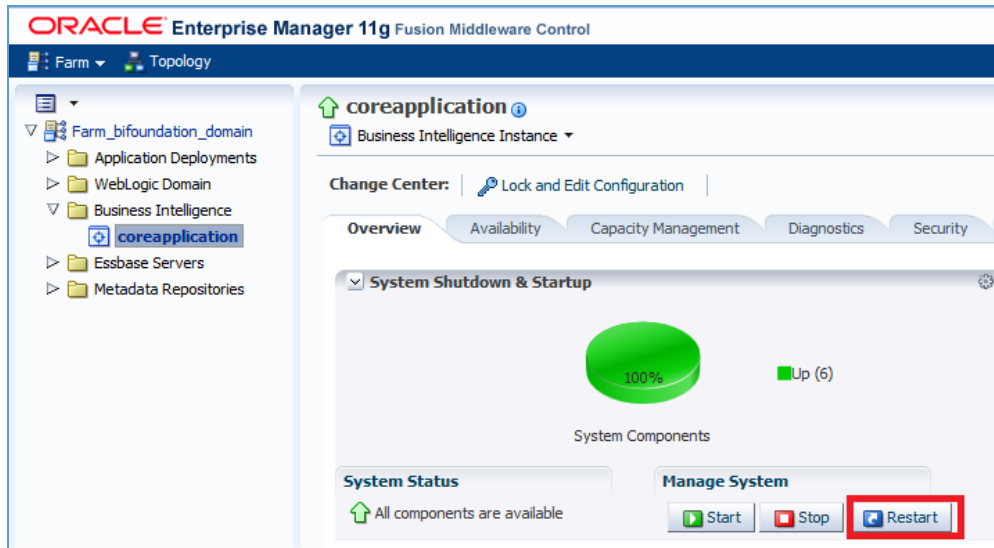


## 1.8 Restarting BI Components using EM Server

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  
[May] [2021]  
Version 14.5.0.0.0

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