

Oracle FLEXCUBE OBIEE Reports
Oracle FLEXCUBE Investor Servicing
Release 12.1.0.0.0
[October] [2015]



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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

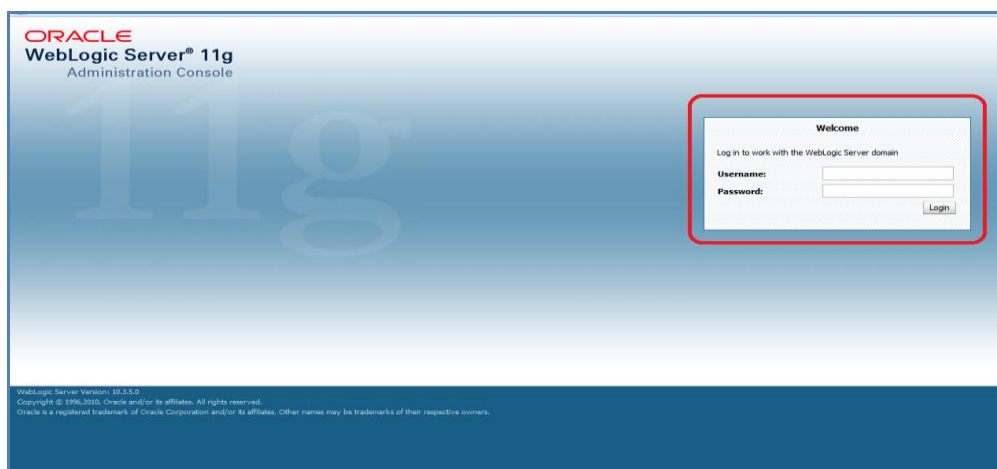
Note: If OBIEE is on SSL, valid SSL certificate is essential to invoke OBIEE screens from Oracle FLEXCUBE. If valid SSL certificate is not available, then the browser will show an error message when you try to invoke an OBIEE screen.

1.2 Creation of User with Administrator Rights

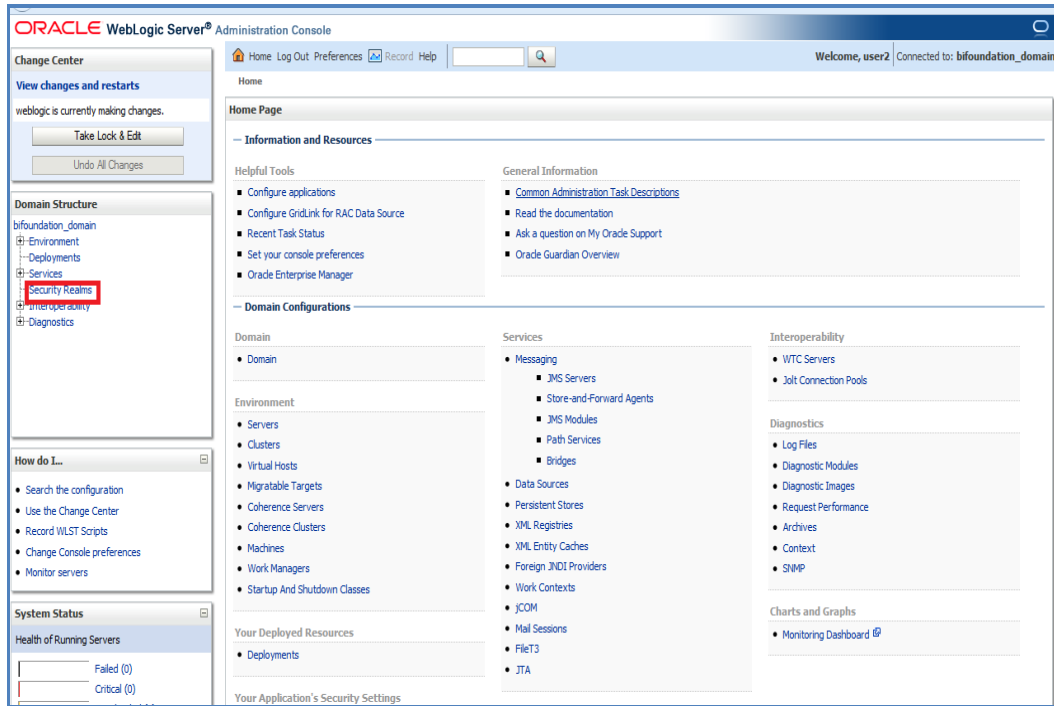
1.2.1 Steps to create user

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

ORACLE WebLogic Server® Administration Console

Home Log Out Preferences Record Help

Welcome, user2 Connected to: bifoundation_domain

Change Center

View changes and restarts

weblogic is currently making changes.

Take Lock & Edit

Undo All Changes

Domain Structure

bifoundation_domain

Environment

Deployments

Services

Security Realms

Interoperability

Diagnostics

How do I...

Configure new security realms

Delete security realms

Change the default security realm

System Status

Health of Running Servers

Failed (0)

Critical (0)

Overloaded (0)

Warning (0)

OK (1)

Summary of Security Realms

A security realm is a container for the mechanisms—including users, groups, security roles, security policies, and security providers—that are used to protect WebLogic resources. You can have multiple security realms in a WebLogic Server domain, but only one can be set as the default (active) realm.

This Security Realms page lists each security realm that has been configured in this WebLogic Server domain. Click the name of the realm to explore and configure that realm.

Customize this table

Realms (Filtered - More Columns Exist)

Click the **Take Lock & Edit** button in the Change Center to activate all the buttons on this page.

New Delete

Showing 1 to 1 of 1 Previous Next

<input type="checkbox"/>	Name ↕	Default Realm
<input type="checkbox"/>	myrealm	true

New Delete

Showing 1 to 1 of 1 Previous Next

WebLogic Server Version: 10.3.5.0

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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' (showing a tree with 'bifoundation_domain' and sub-items like 'Environment', 'Deployments', 'Services', 'Security Realms', 'Interoperability', and 'Diagnostics'), and 'System Status'. The main content area is titled 'Settings for myrealm' and has tabs for 'Configuration', 'Users and Groups' (which is selected and 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 a 'Name' field with 'myrealm' and a 'Security Model Default' dropdown set to 'DD Only'. There are also checkboxes for 'Combined Role Mapping Enabled' (checked) and 'Use Authorization Providers to Protect JMX Access' (unchecked). A 'Save' button is visible at the top of the settings area.

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 users. A red box highlights the 'New' button in the top left corner of the table. The table has columns for 'Name', 'Description', and 'Provider'. The 'Name' column is sorted in ascending order. The table lists two users: 'Administrator' and 'BISystemUser'. The 'Administrator' user has a description of 'Administrator' and a provider of 'DefaultAuthenticator'. The 'BISystemUser' user has a description of 'BI System User' and a provider of 'DefaultAuthenticator'. The table is showing 1 to 9 of 9 users, with 'Previous' and 'Next' links available.

Name	Description	Provider
Administrator	Administrator	DefaultAuthenticator
BISystemUser	BI System User	DefaultAuthenticator

- 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

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

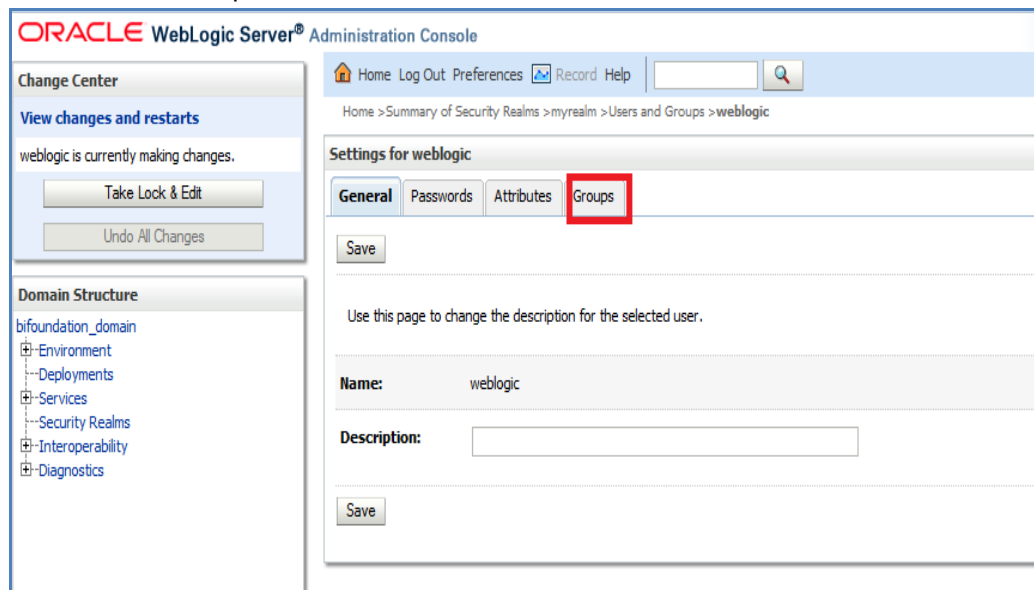
Users

New Delete Showing 1 to 10 of 10 Previous | Next

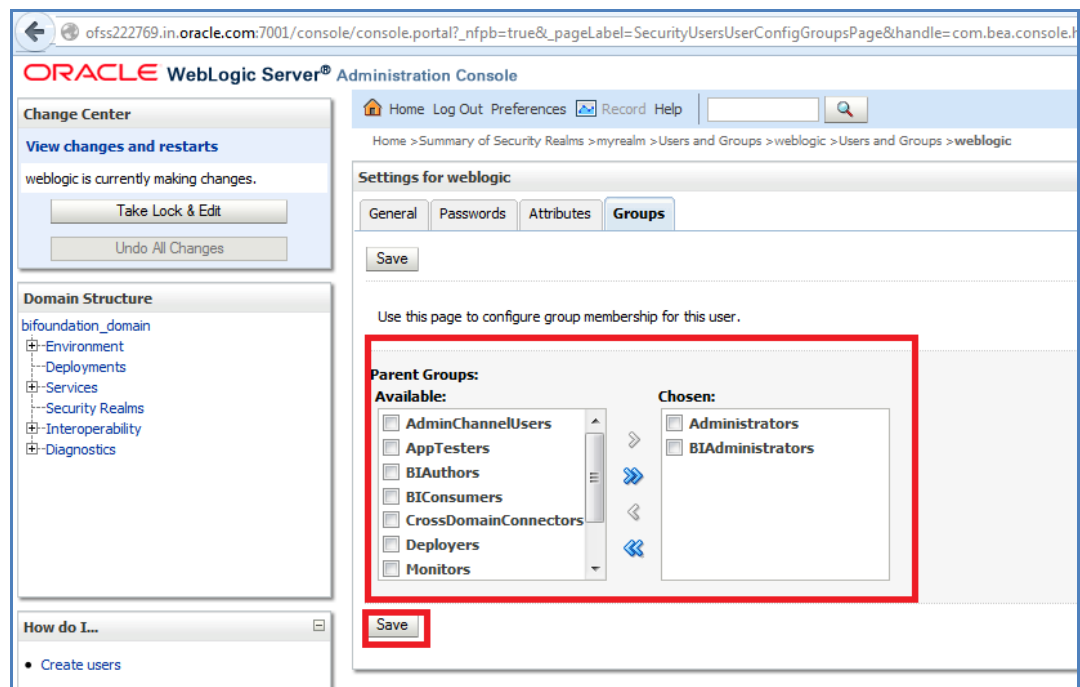
Name	Description	Provider
Administrator		DefaultAuthenticator
BISystemUser	BI System User	DefaultAuthenticator
fuser		DefaultAuthenticator
fuser1		DefaultAuthenticator
OracleSystemUser	Oracle application software system user.	DefaultAuthenticator
user1		DefaultAuthenticator
user2		DefaultAuthenticator
user3		DefaultAuthenticator
user4		DefaultAuthenticator
weblogic		DefaultAuthenticator

New Delete Showing 1 to 10 of 10 Previous | Next

9. Next Click on Groups tab



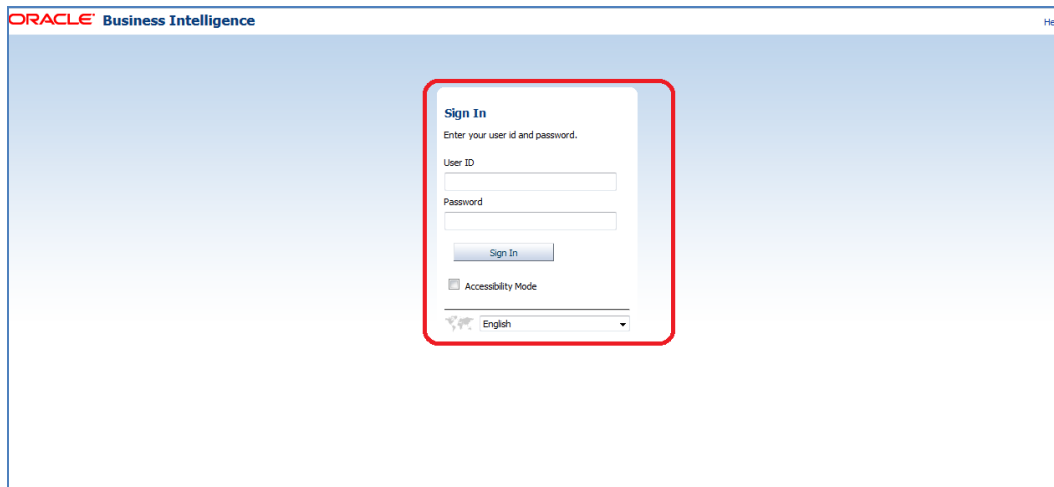
10. Assign the groups 'Administrators' and 'BIAdministrators' groups to **weblogic** user and click Save



This completes user creation.
You can logout from here

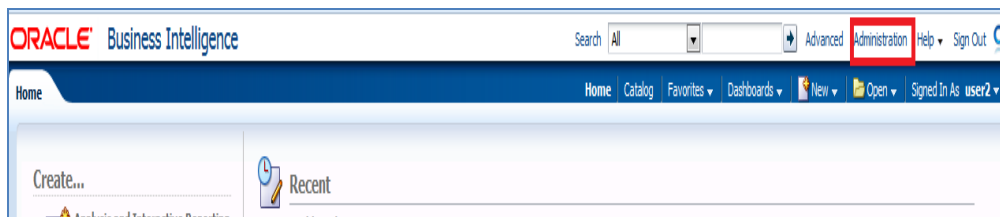
1.3 Steps to implement access restrictions to user

1. Login to OBIEE analytics Url with admin user credentials

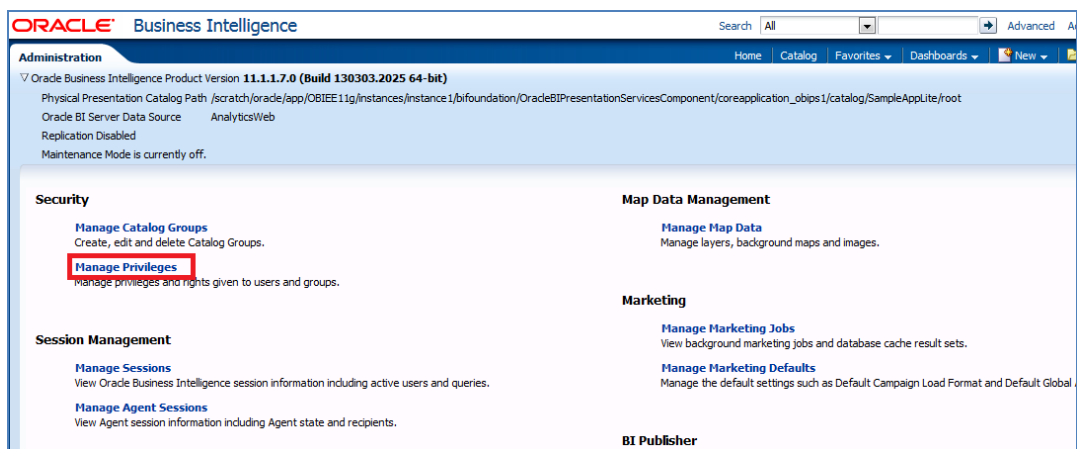


The screenshot shows the Oracle Business Intelligence Sign In page. A red rectangle highlights the 'Sign In' form, which includes fields for 'User ID' and 'Password', a 'Sign In' button, an 'Accessibility Mode' checkbox, and a language dropdown menu set to 'English'.

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

ORACLE Business Intelligence

Administration

Manage Privileges

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

Access

Actions

Admin: Catalog

Privilege:

Hive:

Permissions

Accounts

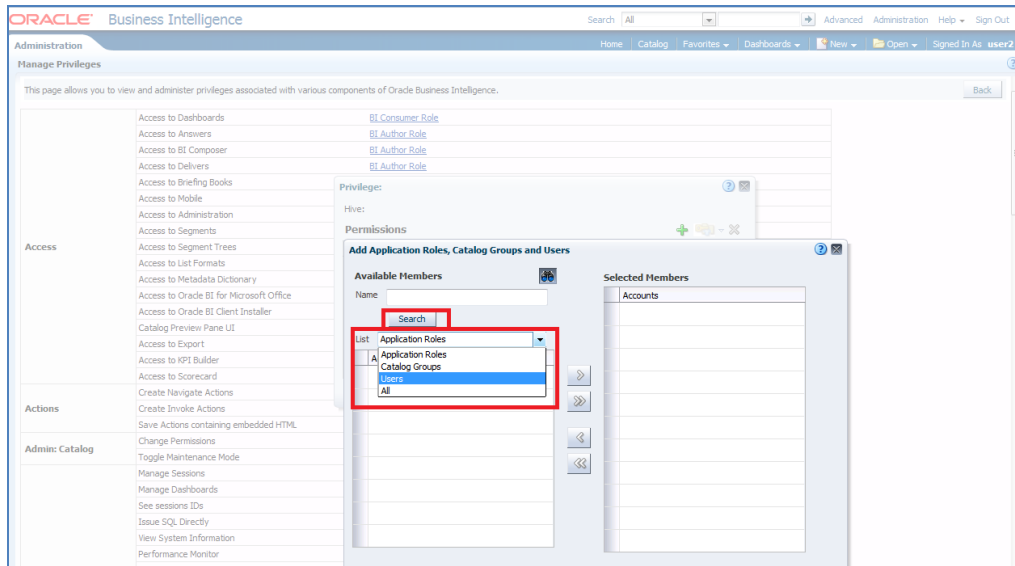
Permissions

Granted

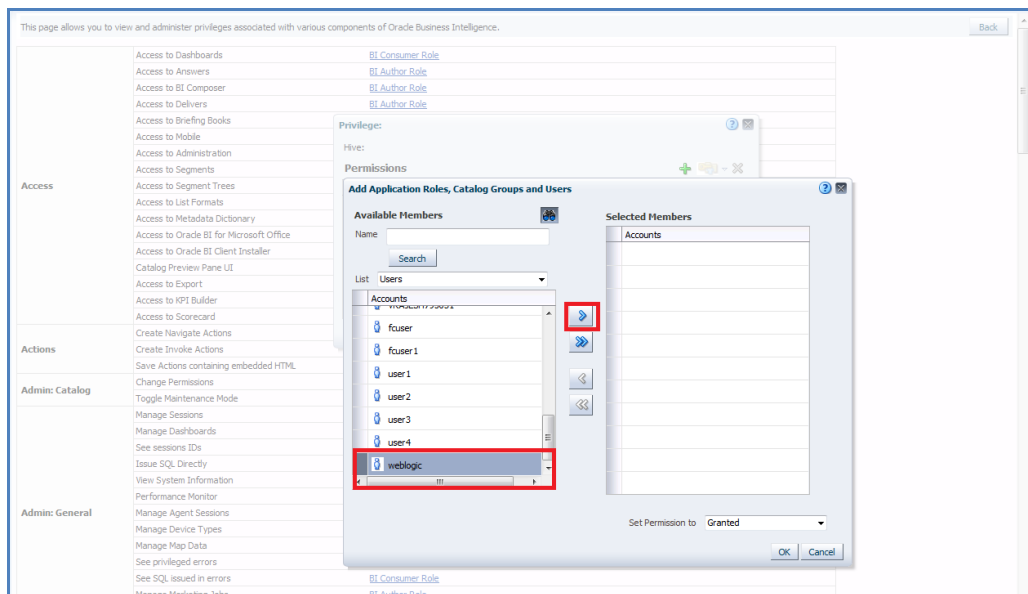
Add users/roles

OK Cancel

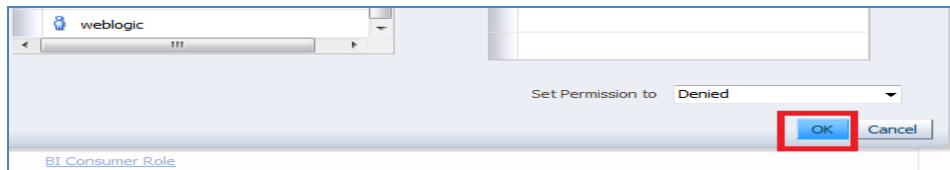
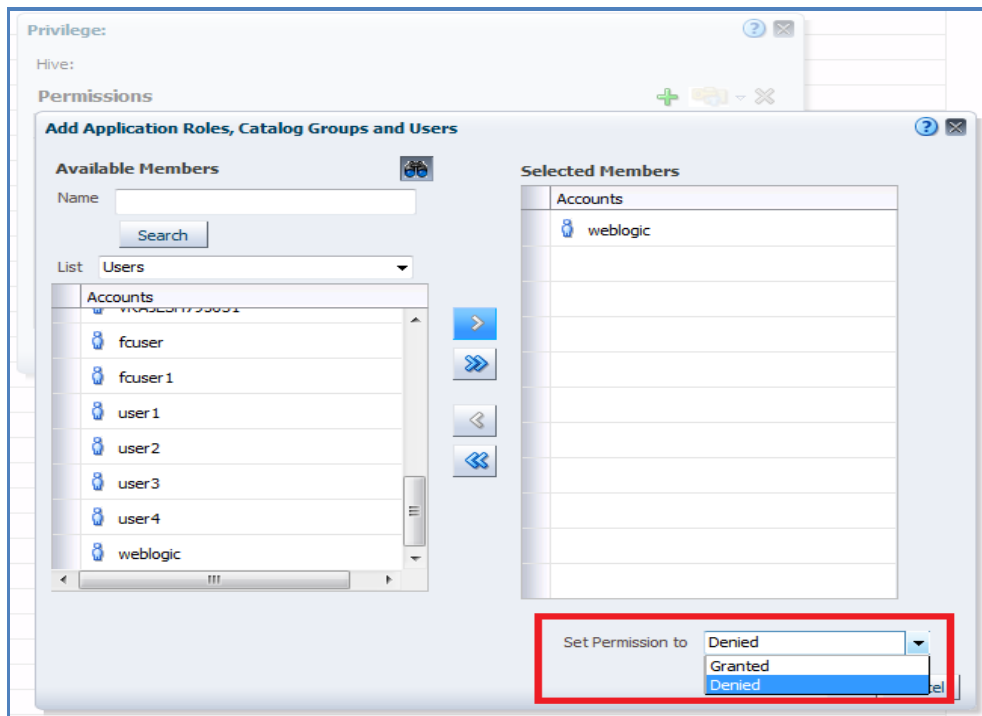
6. Select users from the dropdown shown and click on Search



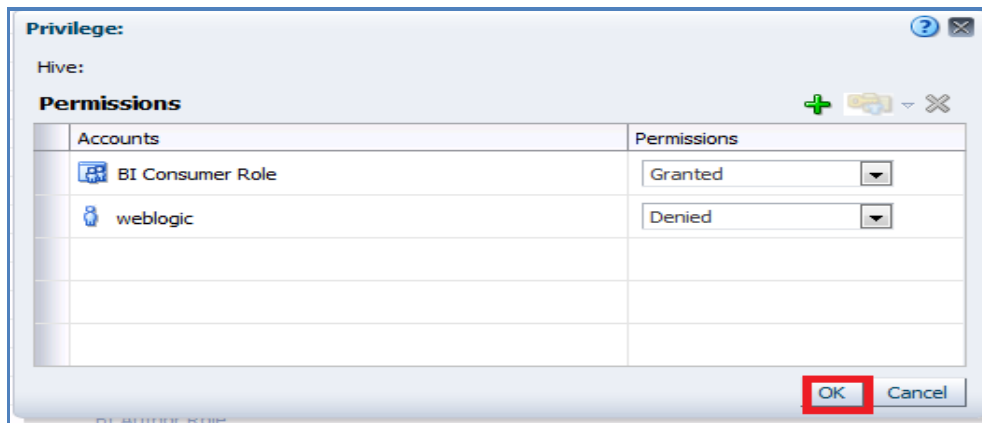
7. Select 'weblogic' user and click on the arrow to move to Selected Members



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

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

This page allows you to view and administer privileges associated with various components of Oracle Business Intelligence.		
Briefing Book	Access to Permissions Using	BI Consumer 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
Conditions	See Hidden Items	BI Author Role
	Create Folders	BI Author Role
	Archive Catalog	BI Administrator Role
Dashboards	Unarchive Catalog	BI Administrator Role
	Upload Files	BI Administrator Role
	Perform Global Search	BI Author Role
Dashboards	Perform Extended Search	BI Author Role
	Create Conditions	BI Author Role
	Save Customizations	BI Consumer Role Denied: weblogic
Dashboards	Assign Default Customizations	BI Author Role Denied: weblogic
	Create Bookmark Links	BI Consumer Role Denied: weblogic
	Create Prompted Links	BI Consumer Role Denied: weblogic
Dashboards	Export Entire Dashboard To Excel	BI Consumer Role
	Export Single Dashboard Page To Excel	BI Consumer Role

ORACLE Business Intelligence		
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

ORACLE Business Intelligence		
Administration		
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

ORACLE Business Intelligence			Search
Administration			Home
Manage Privileges			
	Privileges	Default Role	
Delivers	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	Act As Proxy	Denied: Authenticated User	
RSS Feeds	Access to RSS Feeds	BI Consumer Role	
	Create/Edit Scorecards	BI Author Role	
	View Scorecards	BI Consumer Role	
Scorecard	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/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/coreaplication_obips1
4. Open instanceconfig file and add the following line after </BIComposer>

<LightWriteback>true</LightWriteback>

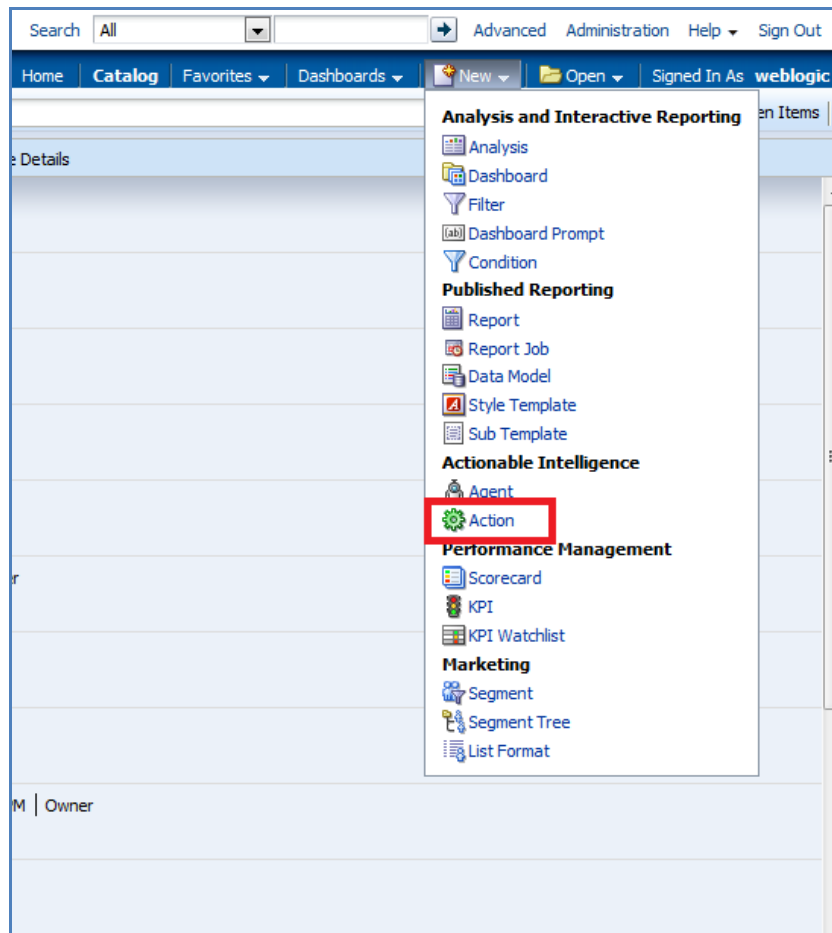
For Example:

```
<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>
```

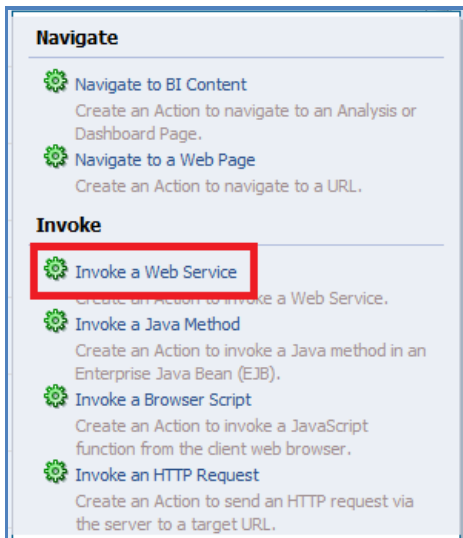
1.8 Creation and Maintenance of BPEL url.

1.8.1 Steps for creation of BPEL url.

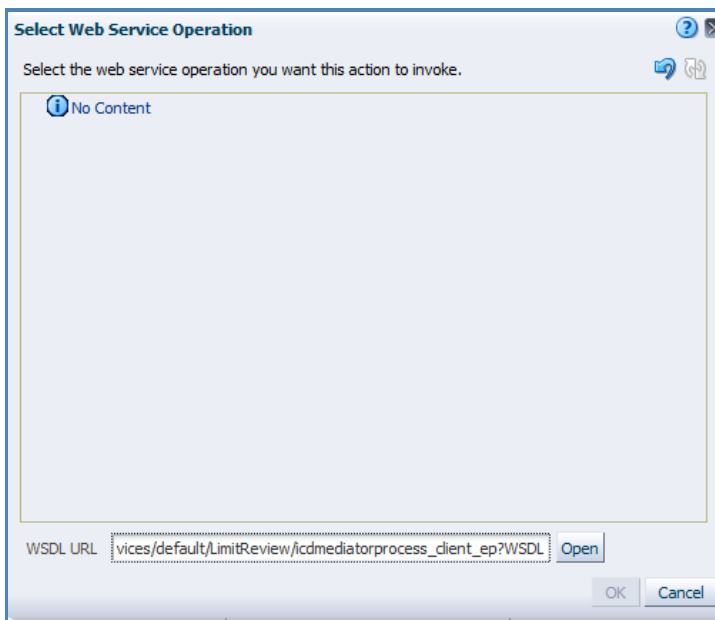
1. To create a BPEL task select the Action from New.



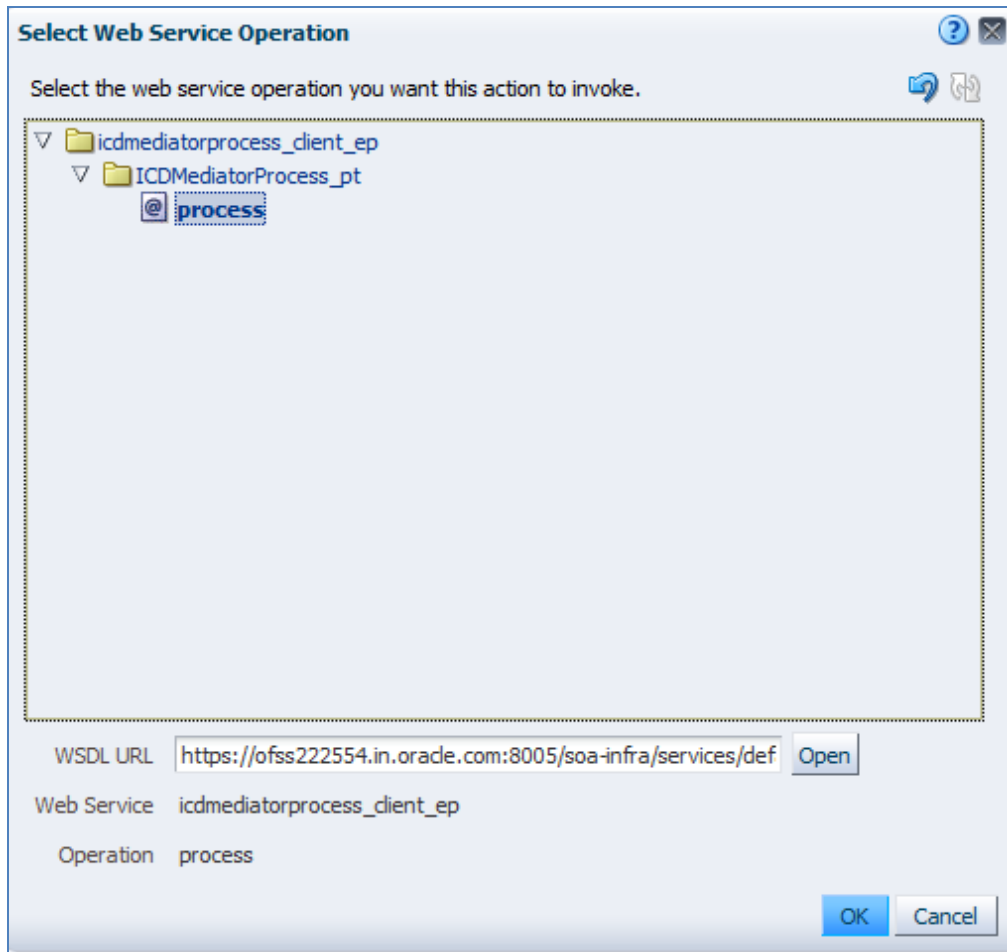
2. Select 'Invoke a Web Service'.



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'.

New Action

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

Web Service:

Operation:

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

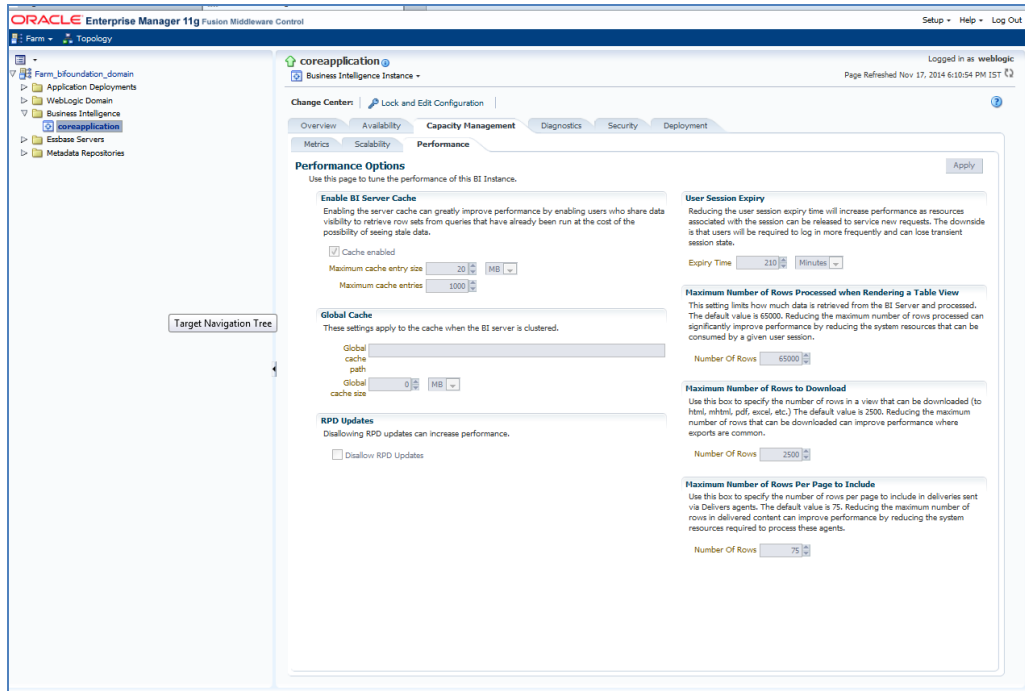
Name	Prompt	Value	Fixed	Hidden	Optional
LimitReviewInput_CUSTOMER---NAME	CUSTOMER---NAME	<input type="text" value="Value"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
LimitReviewInput_REVIEW---DATE	REVIEW---DATE	<input type="text" value="Value"/>	<input type="checkbox"/>	<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"/>

1.8.2 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.

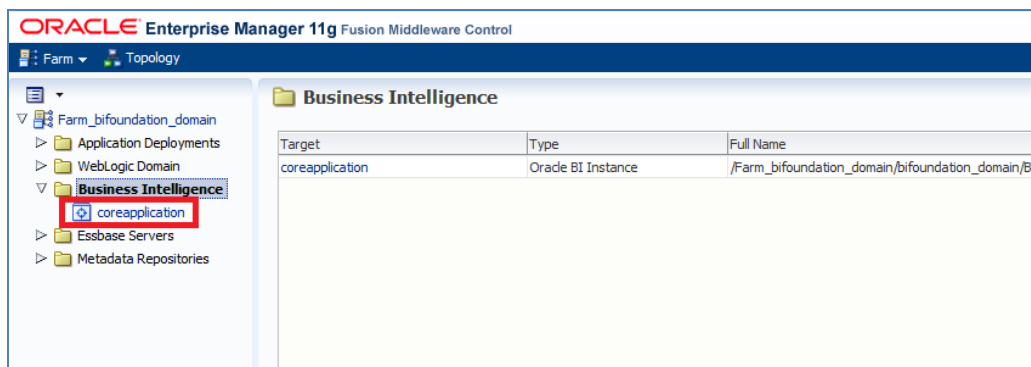
1.9 Disable Cache

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.

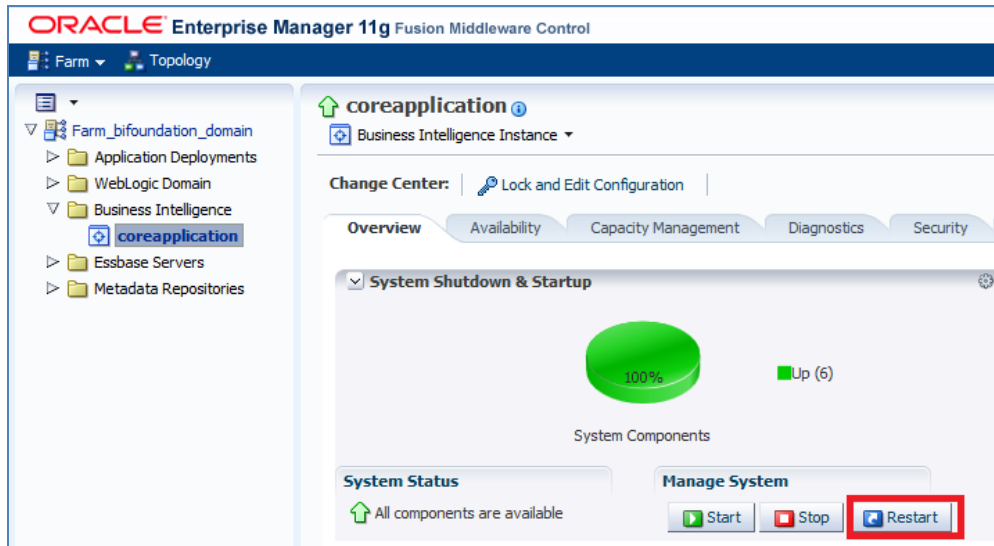


1.10 Restarting BI Components using EM Server

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'.



Flexcube OBIEE Reports
[October] [2015]
Version 12.1.0.0.0

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