

Oracle FLEXCUBE OBIEE Reports
Oracle FLEXCUBE Investor Servicing
Release 14.5.1.0.0
[September] [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

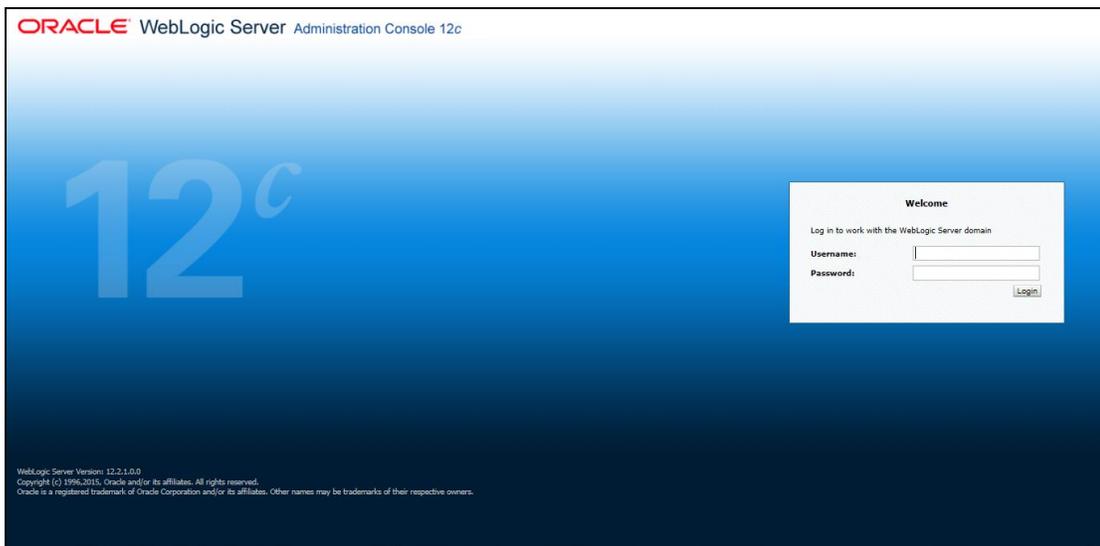
Note: If OBIEE is on SSL, valid SSL certificate is essential to invoke OBIEE screens from Oracle FLEXCUBE. If valid SSL certificate is not available, then the browser will show an error message when you try to invoke an OBIEE screen.

1.2 Creation of User with Administrator Rights

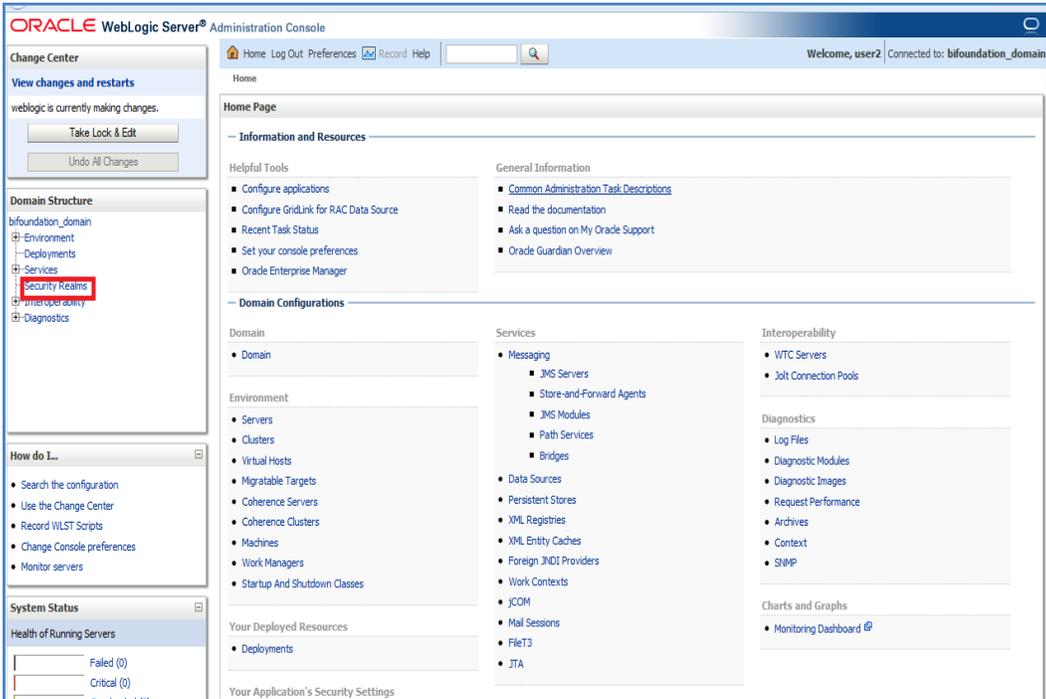
1.2.1 Steps to create user

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

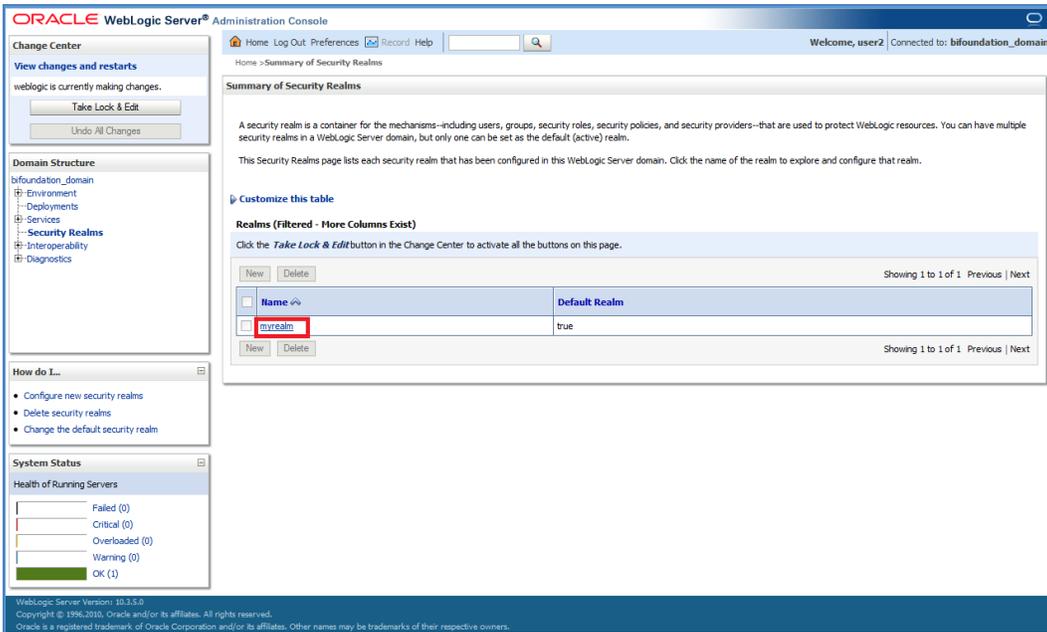
1. Login to OBIEE Admin console with admin credentials



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' (with 'Take Lock & Edit' and 'Undo All Changes' buttons), 'Domain Structure' (showing a tree view of the environment), 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 Logout', and 'Performance'. A 'Save' button is visible. Below, there is a note about JACC security and a table with the following data:

| | | |
|---|---------|---|
| 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... |
| <input checked="" type="checkbox"/> 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... |
| <input type="checkbox"/> 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, showing a table of configured users. A 'New' button is highlighted with a red box. The table contains the following data:

| 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

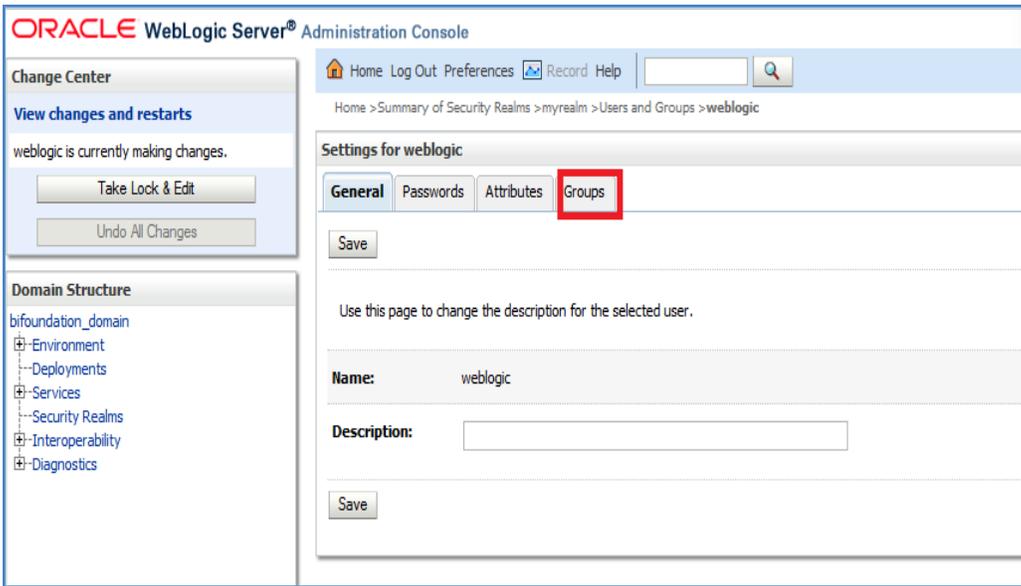
Users

New Delete Showing 1 to 10 of 10 Previous | Next

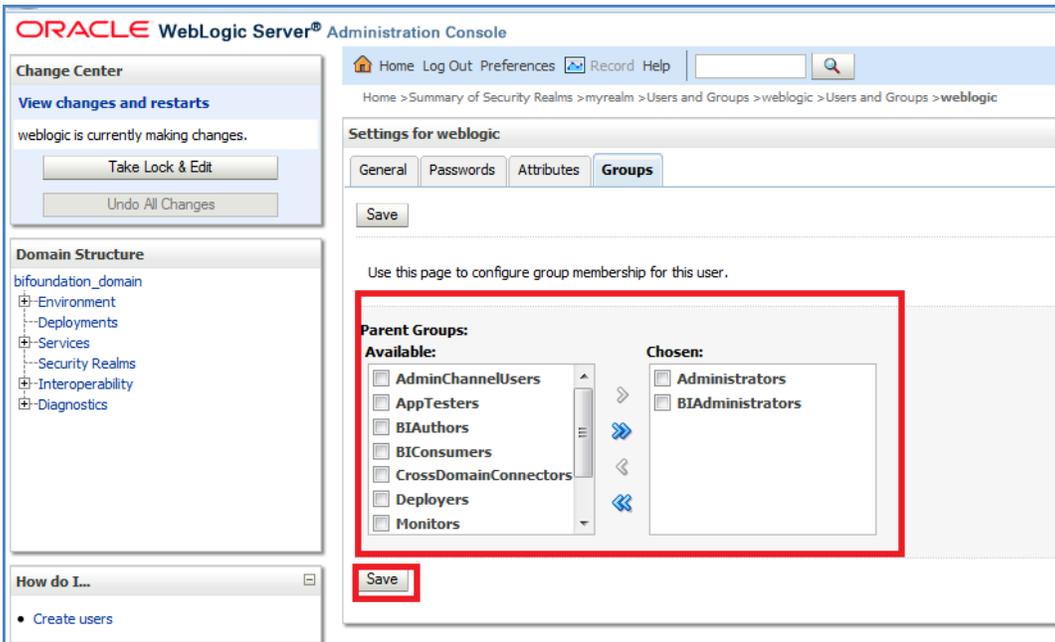
| Name | Description | Provider |
|------------------|--|----------------------|
| Administrator | | DefaultAuthenticator |
| BISystemUser | BI System User | DefaultAuthenticator |
| fcuser | | DefaultAuthenticator |
| fcuser1 | | DefaultAuthenticator |
| OracleSystemUser | Oracle application software 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

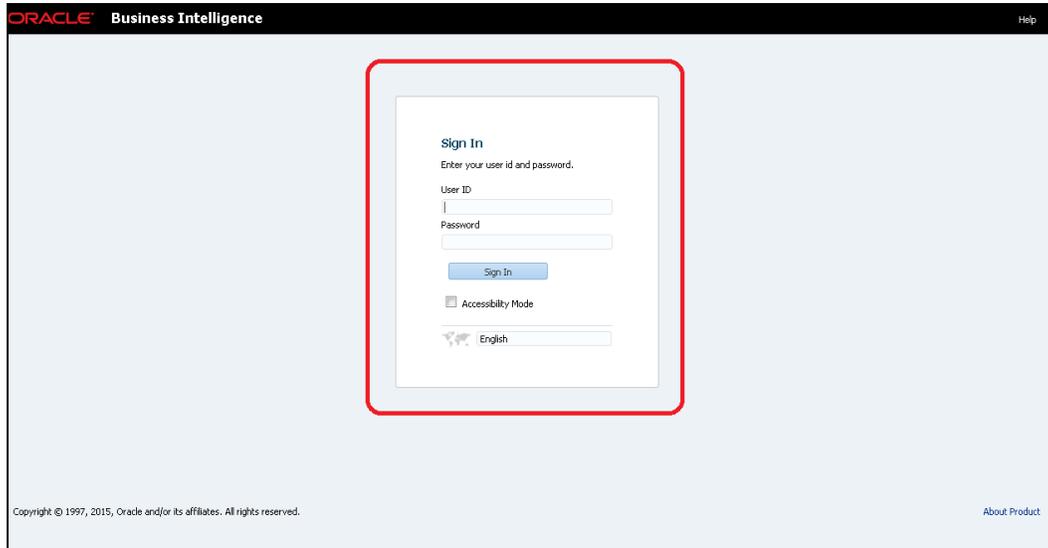


This completes user creation.

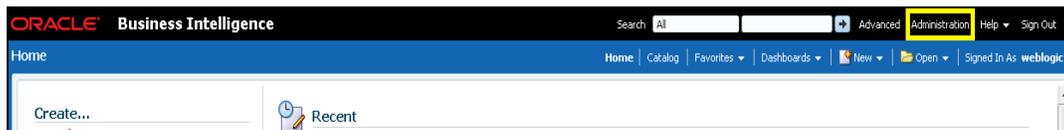
You can logout from here

1.3 Steps to implement access restrictions to user

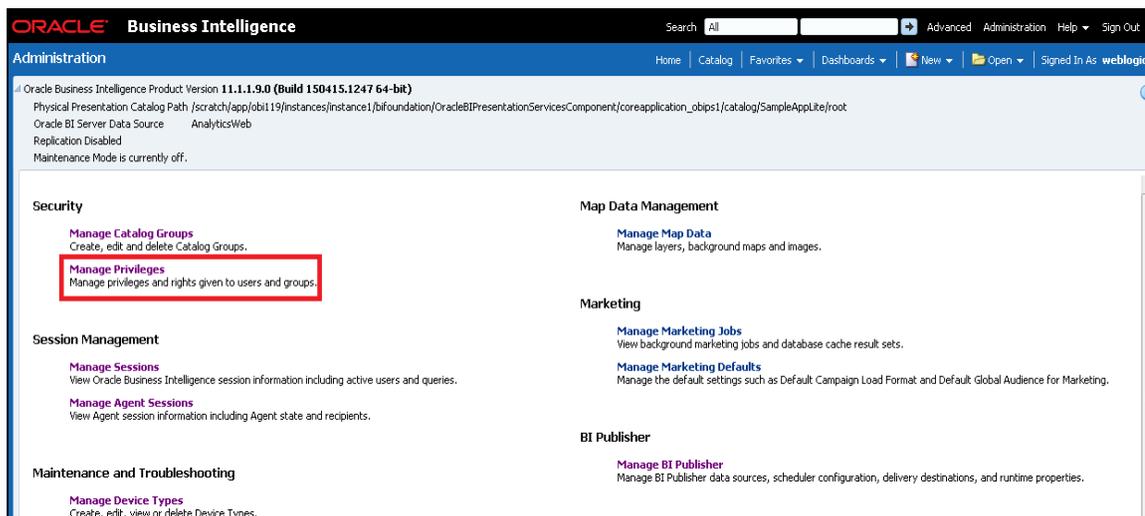
1. Login to OBIEE analytics Url with admin user credentials



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

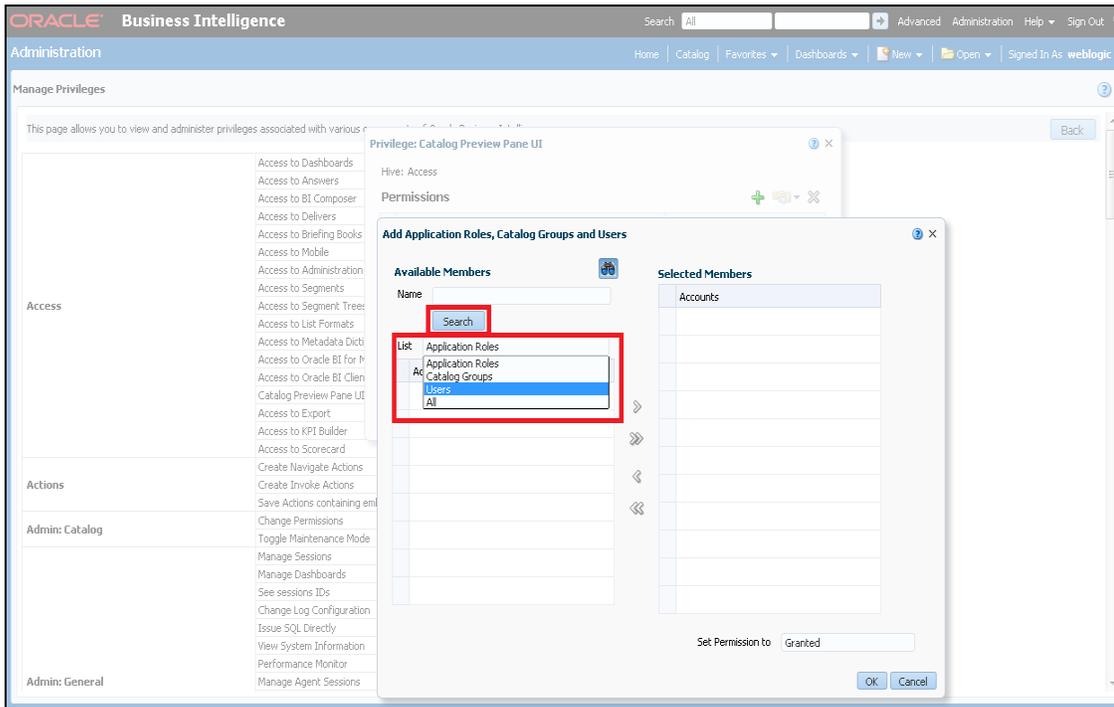
This page allows you to view and administer privileges associated with various components of Oracle Business Intelligence.

| | | |
|-----------------------|--|---|
| Access | Access to Dashboards | 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 |
| | Access to 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 | |

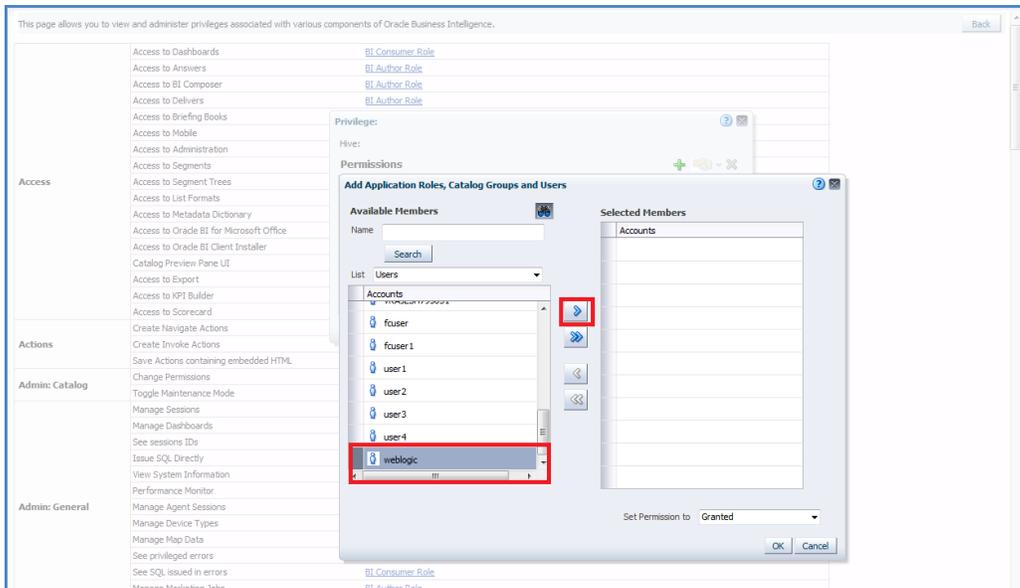
5. Next click on '+' symbol

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. In the "Accounts" column of the "Permissions" table, "BI Consumer Role" is listed. A red box highlights a "+" icon in the top right corner of the dialog, which is used to add or modify roles. The "Permissions" dropdown is set to "Granted".

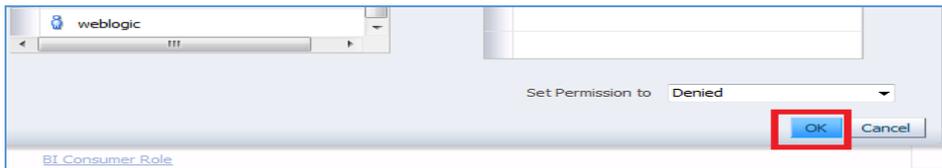
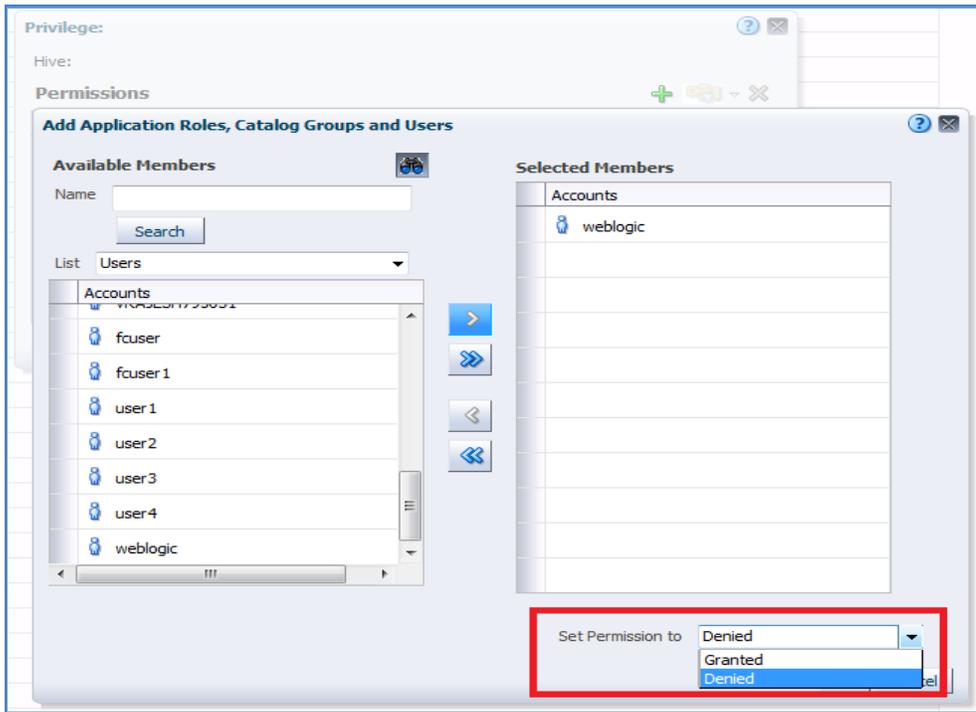
6. Select users from the dropdown shown and click on Search



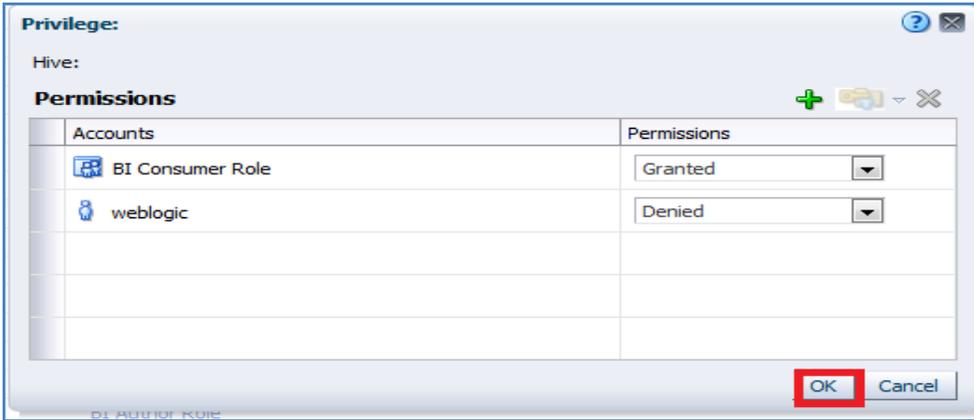
7. Select 'weblogic' user and click on the arrow to move to Selected Members



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 | Privilege |
|--|---|
| 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 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 | | |
|-------------------------------------|--|--------------------------------------|
| RELATES TO PERMISSIONS LISTING | | |
| 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

| Privilege | Role |
|--------------------|------------------------|
| View Ticker | BI Author Role |
| View Title | BI Author Role |
| View Treemap | BI Author Role |
| View Trellis | BI Author Role |
| View View Selector | BI Author Role |
| Write Back | Write Back to Database |
| | Manage Write Back |

| Category | Privilege | Role |
|-----------------------------------|--|----------------------------|
| Delivers | Execute Direct Database Analysis | BI Administrator Role |
| | 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 |
| | Write Back to Database for KPI | BI Consumer Role |
| Scorecard | 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 |
| 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>

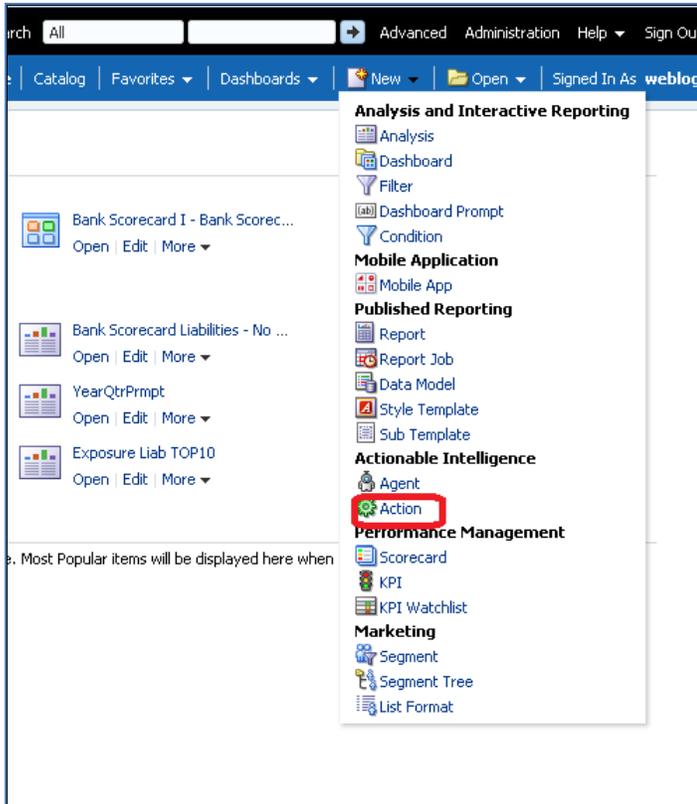
For Example:

```
<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>
```

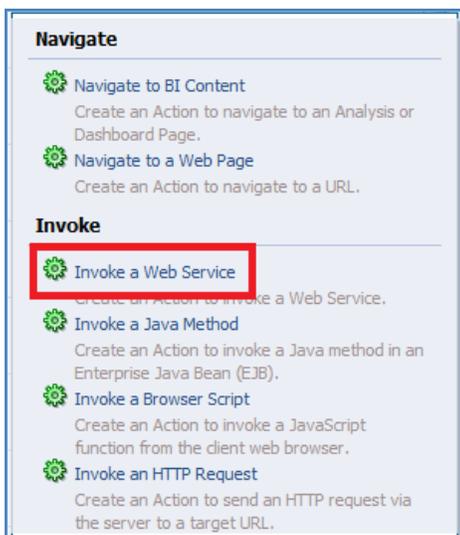
1.6 Creation and Maintenance of BPEL url.

1.6.1 Steps for creation of BPEL URL

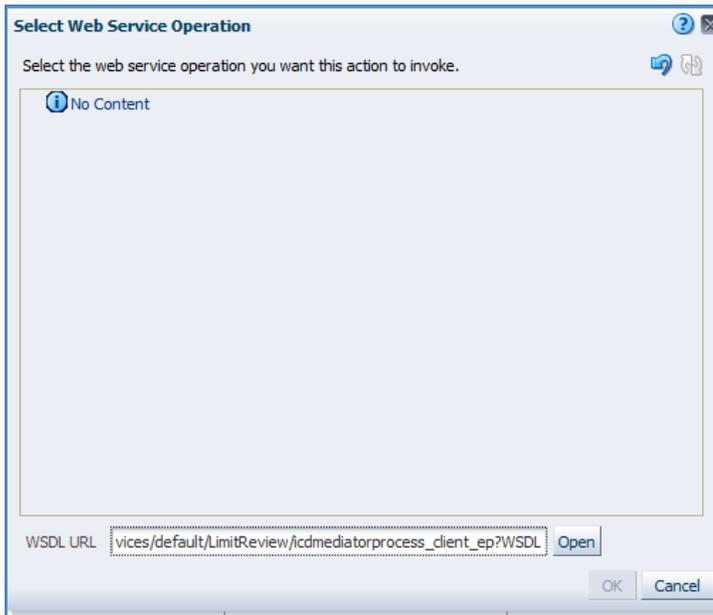
1. To create a BPEL task select the Action from New.



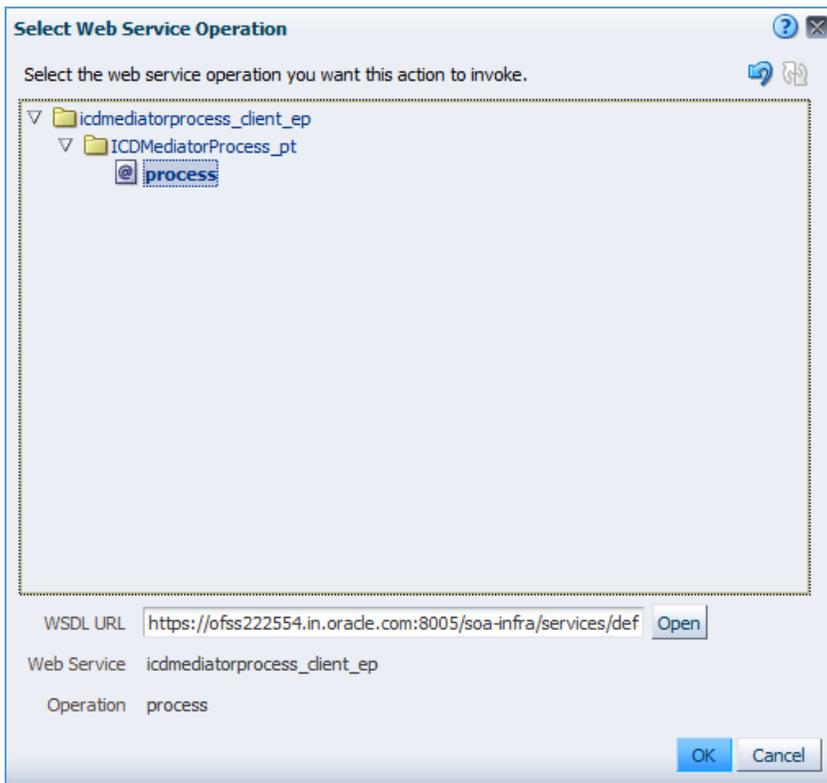
2. Select 'Invoke a Web Service'.



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'.

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

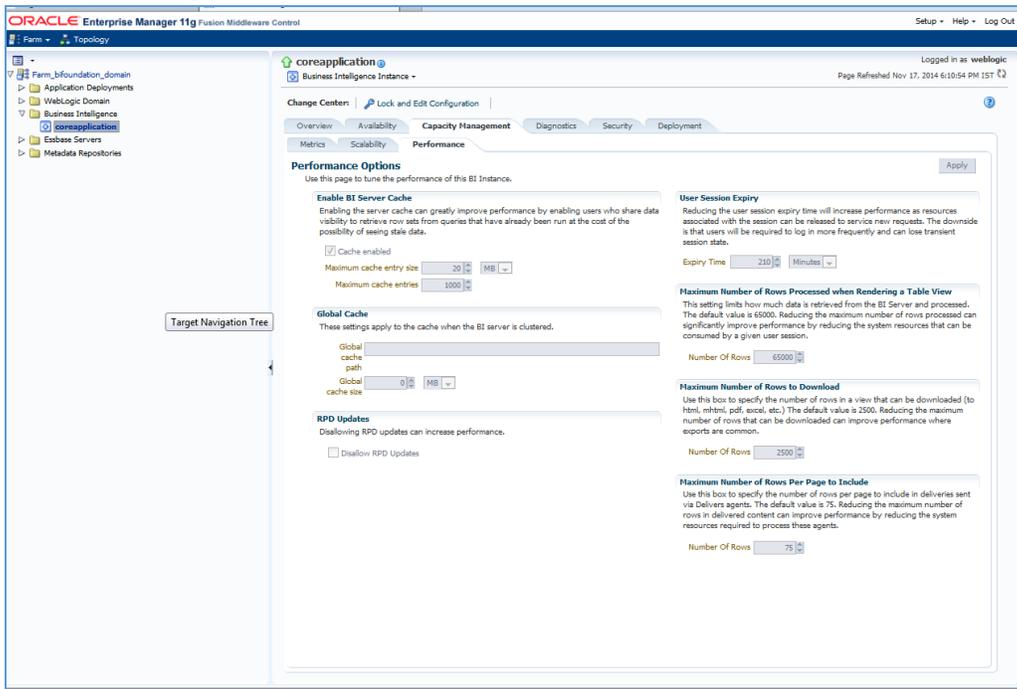
| Name | Prompt | Value | Fixed | Hidden | Optional |
|----------------------------------|------------------|-------|--------------------------|--------------------------|--------------------------|
| LimitReviewInput_CUSTOMER---NAME | CUSTOMER--- NAME | Value | <input type="checkbox"/> | <input type="checkbox"/> | <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"/> |

1.6.2 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.

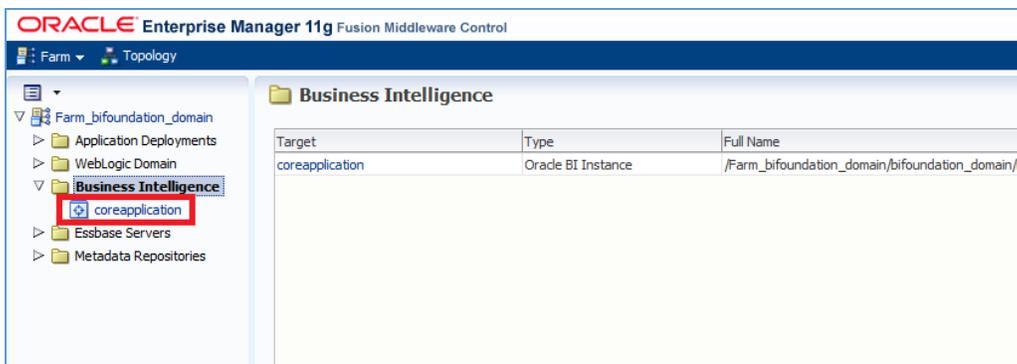
1.7 Disable Cache

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
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