

Setting up Plug-Ins
Oracle FLEXCUBE Universal Banking
Release 12.4.0.0.0
[May] [2017]



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1. Setting up Plug-Ins

1.1 Introduction

You need to carry out certain tasks manually before Oracle FLEXCUBE deployment. This document details out the pre-deployment tasks based on the on the selected plug-ins.

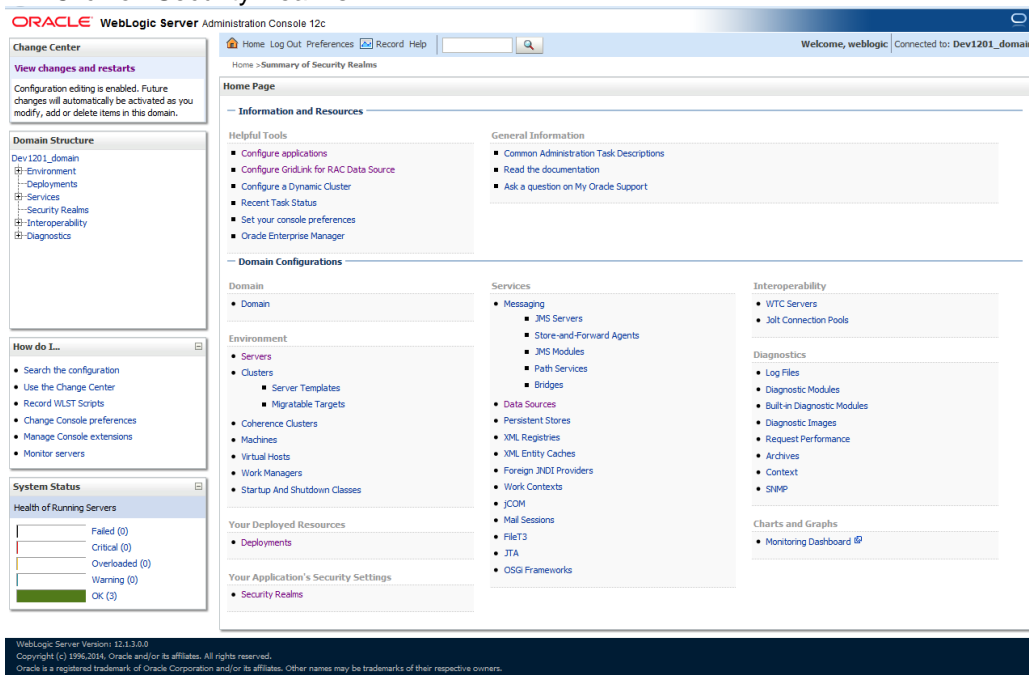
1.2 Integrating Oracle FLEXCUBE UBS and BPEL

If you have created the EAR file with BPEL as a plug-in, then along with the Oracle FLEXCUBE UBS EAR file, the Installer creates 'FCJJPServiceProvider.jar' file. You need to complete the following tasks before deploying Oracle FLEXCUBE UBS EAR file.

1.2.1 Custom Provider Configuration

FCUBS Custom Authenticator Provider configuration has to be done from the weblogic console of SOA or manually update the config.xml of the soa domain. Below steps needs to be followed to setup Custom Authentication Provider:

1. Along with FCUBS Ear file, Installer creates FCUBSAuthenticationProvider.jar file. Copy this files to <ORACLE_HOME>\wlserver\server\lib\mbeantypes
2. Restart the Admin Server
3. Login to the Console
4. Click on Security Realms.



5. Click on myrealm.

Change Center
View changes and restarts
Configuration editing is enabled. Future changes will automatically be activated as you modify, add or delete items in this domain.

Domain Structure
Dev1201_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 (3)

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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)
Showing 1 to 1 of 1 Previous | Next

Name	Default Realm
myrealm	true

Showing 1 to 1 of 1 Previous | Next

- Click on Providers tab and click on new button to create new authentication provider.
- Give Provider name as FCJCustomProvider and type as FCUBSUserAuthenticator.

Change Center
View changes and restarts
Configuration editing is enabled. Future changes will automatically be activated as you modify, add or delete items in this domain.

Domain Structure
Dev1201_domain
├ Environment
├ Deployments
├ Services
├ **Security Realms**
├ Interoperability
└ Diagnostics

How do I...
• Manage security providers
• Configure Authentication and Identity Assertion providers

System Status
Health of Running Servers
Failed (0)
Critical (0)
Overloaded (0)
Warning (0)
OK (3)

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Create a New Authentication Provider
OK Cancel

Create a new Authentication Provider
The following properties will be used to identify your new Authentication Provider.
* Indicates required fields

The name of the authentication provider.
* Name: FCJCustomProvider

This is the type of authentication provider you wish to create.
Type: FCUBSUserAuthenticator

OK Cancel

- Click Reorder to bring provider to first of all providers and click OK.

ORACLE WebLogic Server Administration Console 12c

Home Log Out Preferences Record Help Welcome, weblogic Connected to: Dev1201_domain

Change Center
View changes and restarts
Configuration editing is enabled. Future changes will automatically be activated as you modify, add or delete items in this domain.

Domain Structure
Dev1201_domain
Environment
Deployments
Services
Security Realms
Interoperability
Diagnostics

How do I...
Configure Authentication and Identity Assertion providers
Configure the Password Validation provider
Manage security providers
Set the JAAS control flag
Re-order Authentication providers

System Status
Health of Running Servers
Failed (0)
Critical (0)
Overloaded (0)
Warning (0)
OK (3)

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Home > Summary of Security Realms > myrealm > Providers > FCJCustomProvider > Providers

Messages
Create operation cancelled - no Authentication Providers created.

Settings for myrealm
Configuration Users and Groups Roles and Policies Credential Mappings **Providers** Migration

Authentication Password Validation Authorization Adjudication Role Mapping Auditing Credential Mapping Certification Path Keystores

An Authentication provider allows WebLogic Server to establish trust by validating a user. You must have one Authentication provider in a security realm, and you can configure multiple Authentication providers in a security realm. Different types of Authentication providers are designed to access different data stores, such as LDAP servers or DBMS. You can also configure a Realm Adapter Authentication provider that allows you to work with users and groups from previous releases of WebLogic Server.

Customize this table

Authentication Providers

New Delete **Reorder** Showing 1 to 4 of 4 Previous Next

Name	Description	Version
FCJCustomProvider	Authentication provider for FLEXCLUBE users	FCJBS 12.1
Trust Service Identity Asserter	Trust Service Identity Assertion Provider	1.0
DefaultAuthenticator	WebLogic Authentication Provider	1.0
DefaultIdentityAsserter	WebLogic Identity Assertion provider	1.0

New Delete Reorder Showing 1 to 4 of 4 Previous Next

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Home > Summary of Security Realms > myrealm > Providers > FCJCustomProvider > Providers

Reorder Authentication Providers

OK Cancel

Reorder Authentication Providers

You can reorder your Authentication Providers using the list below. By reordering Authentication Providers, you can alter the authentication sequence.

Select authenticator(s) in the list and use arrows to move them up and down in the list.

Authentication Providers:

Available:

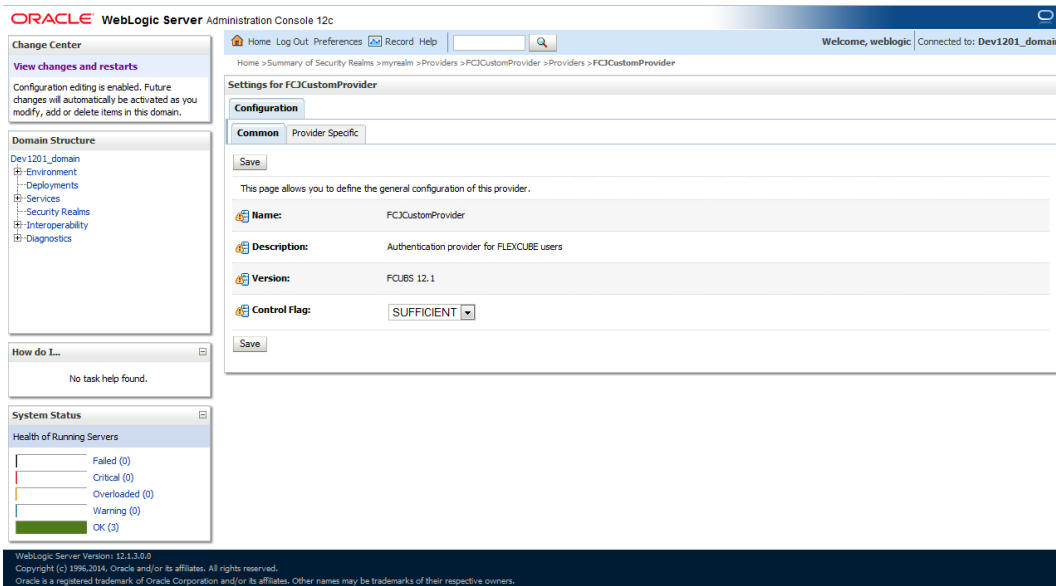
FCJCustomProvider	⬆ ⬇ ⬇ ⬆
Trust Service Identity Asserter	
DefaultAuthenticator	
DefaultIdentityAsserter	

OK Cancel

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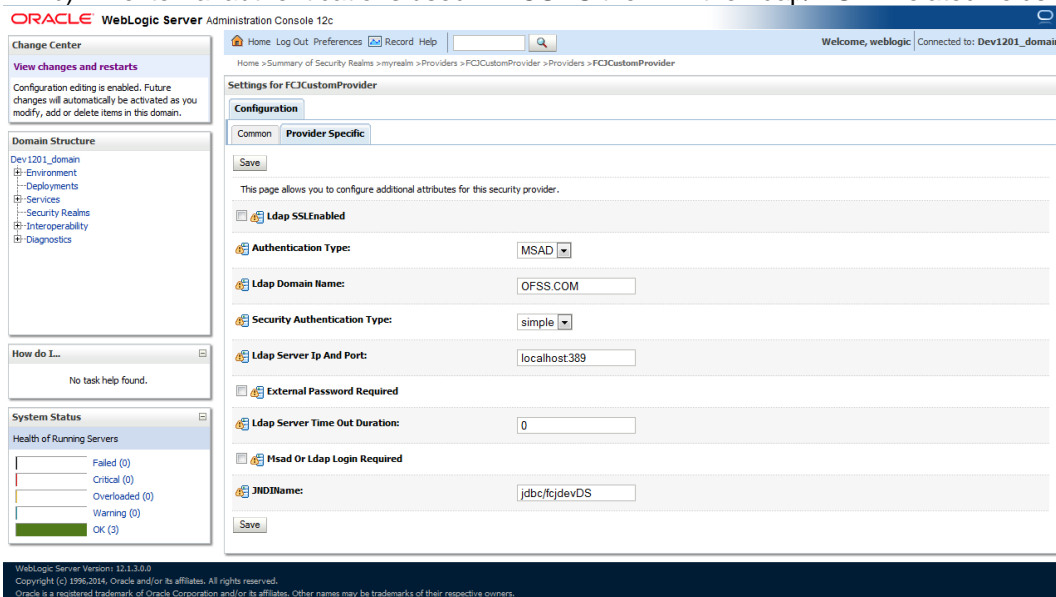
9. Click on FCJCustomProvider.

10. In Common tab change the control flag to "SUFFICIENT".



11. In Provider Specific tab

- Set JNDIName as Flexcube JNDI Name.
- If external authentications used in FCUBS then Fill the Ldap/MSAD related fields.



12. For manually editing the config.xml go to

<ORACLE_HOME>\Middleware\user_projects\domains\base_domain\config\ path. Open config.xml file. The following codes need to be added at proper locations in the config.xml.

- Search for < realm> tag and add the following code between <realm> and </ realm> tags. This should be the first child of the realm Node.

```
<sec:authentication-provider xmlns:n1="http://fcubs.ofss.com/security" xsi:type="n1:fcubs-user-authenticatorType">
  <sec:name>FCJCustomProvider</sec:name>
  <sec:control-flag>SUFFICIENT</sec:control-flag>
  <n1:msad-or-ldap-login-required>true</n1:msad-or-ldap-login-required>
  <n1:external-password-required>true</n1:external-password-required>
  <n1:authentication-type>MSAD</n1:authentication-type>
```

```

<n1:ldap-server-ip-and-port>LDAP://localhost:389</n1:ldap-server-ip-and-port>
<n1:ldap-ssl-enabled>true</n1:ldap-ssl-enabled>
<n1:security-authentication-type>simple</n1:security-authentication-type>
<n1:ldap-domain-name>OFSS.COM</n1:ldap-domain-name>
<n1:ldap-server-time-out-duration>0</n1:ldap-server-time-out-duration>
</sec:authentication-provider>

```

b) Make sure tag values matches the value given during Property file creation.

1.2.2 Configuring libovd for single Entity

You need to configure the libovd details. Follow the steps given below:

1. Along with the Oracle FLEXCUBE UBS EAR file, the Installer creates 'FCJJPSProvider.jar' file.
2. Create a folder by name 'classes' at the location
'<MIDDLEWARE_HOME>soa\soa\modules\oracle.soa.ext_11.1.x'.
3. Extract the file 'FCJJPSProvider.jar' and copy the content of the folder 'com' to:
'<MIDDLEWARE_HOME>soa\soa\modules\oracle.soa.ext_11.1.x\classes'.
4. Navigate to the location
'<MIDDLEWARE_HOME>soa\soa\modules\oracle.soa.ext_11.1.x\classes\com\ofss\fcc\bpel\cac'. Edit the properties file 'CISProperties.properties' and update 'JNDI.name' with the JNDI name defined in the properties file 'fcubs.properties'.
5. Copy 'FCJJPSProvider.jar' to
'<MIDDLEWARE_HOME>/user_projects/domains/<domain_name>/config/fmwconfig/ovd/plugins/lib'. Create the directory structure if it does not exists.
6. Copy the fcubs_adapter.xml to
'<MIDDLEWARE_HOME>/oracle_common/modules/oracle.ovd/templates/



fcubs_adapter.xml

7. Search for <FCUBSDATASOURCE> in fcubs_adapter.xml and update it with fcubs Datasource name.
8. Set environment variables in the command prompt, e.g. for linux shell,
 export ORACLE_HOME=/scratch/app/bpm122129(setting ORACLE_HOME)
 export WL_HOME=/scratch/app/bpm12212/wlserver(setting WL_HOME)
 export JAVA_HOME=/scratch/work_area/DBA/jdk1.8.0_111(setting JAVA_HOME)
9. Execute "libovdadapterconfig" script which is present in
'<MIDDLEWARE_HOME>/oracle_common/bin' with below parameters. Update the admin server host name or ip ,admin server port ,weblogic user id, domain home and fcubs datasource

```
libovdadapterconfig.sh -adapterName fcubsAdapter -adapterTemplate fcubs_adapter.xml -host
<ADMIN_SERVER_HOST> -port <ADMIN_PORT> -userName <WEBLOGIC_USERID> -domainPath
<DOMAIN_HOME> -dataStore DB -root ou=fcubs,dc=oracle,dc=com -contextName default -
dataSourceJNDIName <FCUBSDATASOURCE>
```

10. Once the above steps are completed, restart the server.

1.2.3 **Configuring libovd for MultiEntity**

1. Continue step 1 to step5 from 1.2.2 section.
2. In the following steps replace the <EntityId> tag with the proper Entity name.
3. Copy the fcubs_adapter_<EntityId>.xml to
'<MIDDLEWARE_HOME>/oracle_common/modules/oracle.ovd/templates/



fcubs_adapter_<EntityId>.xml

4. Search for <FCUBSDATASOURCE> in fcubs_adapter_<EntityId>.xml and update it with fcubs Datasource with the mapped Datasource for the entity in the property file.

EX:<param name="DataSource" value="<FCUBSDATASOURCE>"/>

5. Search for UserIdPattern Parameter and Update the value for OU to the entity name.

EX: <param name="UserIdPattern" value="cn=%USERID%,ou=<EntityId>,dc=oracle,dc=com"/>

6. Search for MultiEntityEnabled element and update the value to true.

EX: <param name="MultiEntityEnabled" value="true"/>

7. Search for EntityId element and update the value with the entity name which we have created.

EX:<param name="EntityId" value="<EntityId>"/>

8. Execute "libovdadapterconfig" script which is present in
'<MIDDLEWARE_HOME>/oracle_common/bin' with below parameters. Update the admin server host name or ip ,admin server port ,weblogic user id, domain home ,root and fcubs datasource

```
libovdadapterconfig.sh -adapterName fcubsAdapter -adapterTemplate fcubs_adapter_<EntityId>.xml
-host <ADMIN_SERVER_HOST> -port <ADMIN_PORT> -userName <WEBLOGIC_USERID> -
domainPath <DOMAIN_HOME> -dataStore DB -root ou=<EntityId>,dc=oracle,dc=com -contextName
default -dataSourceJNDIName <FCUBSDATASOURCE name which we mapped in step4>
```

9. Repeat from step2 to step7 for each entity creation
10. Once the above steps are completed, restart the server.

1.2.4 Configuring for Multiple Providers for Multiple Entities

1. Login to the Adminserver.
2. Click on security Realms.

The screenshot displays the Oracle WebLogic Server Administration Console interface. On the left, the 'Domain Structure' tree shows the hierarchy: `soa_domain` > `Environment` > `Services` > `Security Realms`. Below this, the 'How do I...' section provides links for searching configuration, using the Change Center, recording WLST scripts, changing console preferences, managing console extensions, and monitoring servers. The 'System Status' section shows the health of running servers with a green bar indicating 'OK (3)'. The main content area is titled 'Information and Resources' and includes 'Helpful Tools' (Configure applications, Configure GridLink for RAC Data Source, Configure a Dynamic Cluster, Recent Task Status, Set your console preferences, Oracle Enterprise Manager), 'Domain Configurations' (Domain, Domain Partitions, Partition Work Managers, Environment, Servers, Clusters, Server Templates, Migratable Targets, Coherence Clusters, Machines, Virtual Hosts, Virtual Targets, Work Managers, Concurrent Templates, Resource Management, Startup And Shutdown Classes), 'Resource Group Templates' (Resource Group Templates), 'Resource Groups' (Resource Groups), 'Deployed Resources' (Deployments), 'Services' (Messaging, JMS Servers, Store-and-Forward Agents, JMS Modules, Path Services, Bridges, Data Sources, Persistent Stores, XML Registries, XML Entity Caches, Foreign JNDI Providers, Work Contexts, JCOM, Mail Sessions, FileT3, JTA, OSGI Frameworks), 'Interoperability' (WTC Servers, Jolt Connection Pools), 'Diagnostics' (Log Files, Diagnostic Modules, Built-in Diagnostic Modules, Diagnostic Images, Request Performance, Archives, Context, SHMP, Interceptors), and 'Charts and Graphs' (Monitoring Dashboard). The 'Application's Security Settings' section at the bottom has a red box highlighting the 'Security Realms' link.

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3. Click on myrealms.

The screenshot displays the Oracle WebLogic Server Administration Console 12c interface. The left sidebar contains the 'Change Center' with a 'View changes and restarts' link, the 'Domain Structure' tree with 'Security Realms' selected, and the 'System Status' section showing 'Health of Running Servers' with 3 OK, 0 Warning, 0 Overloaded, 0 Critical, and 0 Failed. The main content area shows the 'Summary of Security Realms' page. It includes a breadcrumb trail: Home > Summary of Servers > Summary of Security Realms > myrealm > Providers > FCUBS > Summary of Security Realms > myrealm > Summary of Security Realms > myrealm > Summary of Security Realms. The page title is 'Summary of Security Realms'. Below the title, there is a description of a security realm and a note that the page lists configured security realms. A 'Customize this table' link is present. The table, titled 'Realms (Filtered - More Columns Exist)', has columns for 'Name' and 'Default Realm'. It shows one entry: 'myrealm' with 'true' as the default realm. The table has 'New' and 'Delete' buttons at the top and bottom. The footer of the console displays 'WebLogic Server Version: 12.2.1.0.0' and copyright information.

ORACLE WebLogic Server Administration Console 12c

Home Log Out Preferences Record Help Welcome, weblogic Connected to: soa_domain

Home > Summary of Servers > Summary of Security Realms > myrealm > Providers > FCUBS > Summary of Security Realms > myrealm > Summary of Security Realms > myrealm > Summary of Security Realms

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 active security realms in a WebLogic Server domain, but only one can be set as the default security realm, which is reserved for domain administrative purposes.

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)

Name	Default Realm
myrealm	true

Showing 1 to 1 of 1 Previous Next

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10.184.133.168:7401/console/console.portal?_nfpb=true&_pageLabel=RealmGeneralTabPage&SecurityRealmRealmGe...bea.console.handles.SecurityMBeanHandle("Security:Name=myrealm;weblogic.management.security.RealmMBean")

4. Click on Providers.

The screenshot displays the Oracle WebLogic Server Administration Console interface. The top navigation bar includes links for Home, Log Out, Preferences, Record, and Help. The user is logged in as 'weblogic' and connected to the 'soa_domain'. The breadcrumb trail indicates the current path: Home > Summary of Security Realms > myrealm > Providers > PCUBS > Summary of Security Realms > myrealm > Summary of Security Realms > myrealm > Summary of Security Realms > myrealm.

The main content area is titled 'Settings for myrealm' and features several tabs: Configuration, Users and Groups, Roles and Policies, Credential Mappings, Providers (highlighted with a red box), and Migration. The 'Providers' tab is active, showing a 'Providers-Tab' sub-tab. The 'General' sub-tab is selected, displaying configuration options for the security realm.

On the left side, there is a 'Change Center' section with a 'View changes and restarts' link. Below it is the 'Domain Structure' tree, which includes 'soa_domain', 'Domain Partitions', 'Environment', 'Deployments', 'Services', 'Security Realms', 'Interoperability', and 'Diagnostics'. The 'System Status' section shows the 'Health of Running Servers' with a bar chart indicating the status of various servers: Failed (0), Critical (0), Overloaded (0), Warning (0), and OK (3).

The 'Providers' configuration page includes a 'Save' button at the top. Below it, a note states: '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.'

The configuration fields include:

- 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...](#))
- Automatically Restart After Non-Dynamic Changes:** ☐ (Specifies whether the Realm will be auto-restarted if non-dynamic changes are made to the realm or providers within the realm. [More Info...](#))
- Retire Timeout:** 60 (Specifies the retire timeout for a realm that is restarted. The old realm will be shutdown after the specified timeout period has elapsed. [More Info...](#))

At the bottom of the configuration page, there is an 'Advanced' link and a 'Save' button. The footer of the console displays the WebLogic Server Version: 12.2.1.0.0, Copyright (c) 1996-2015, Oracle and/or its affiliates. All rights reserved. Oracle is a registered trademark of Oracle Corporation and/or its affiliates. Other names may be trademarks of their respective owners.

5. Click on New

The screenshot displays the Oracle WebLogic Server Administration Console. The left sidebar contains navigation panels for 'Change Center', 'Domain Structure', 'How do I...', and 'System Status'. The main content area is titled 'Settings for myrealm' and shows the 'Providers' tab. Below this, there is a table of 'Authentication Providers' with columns for Name, Description, and Version. The table lists four providers: FCJBS, Trust Service Identity Assertion, DefaultAuthenticator, and DefaultIdentityAssertion. A 'New' button is visible at the top left of the table, which is the target of the instruction.

ORACLE WebLogic Server Administration Console 12c

Home Log Out Preferences Record Help Welcome, weblogic Connected to: soa_domain

Home > myrealm > Providers > FCJBS > Summary of Security Realms > myrealm > Summary of Security Realms > myrealm > Providers

Settings for myrealm

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

Authentication Password Validation Authorization Adjudication Role Mapping Auditing Credential Mapping Certification Path

An Authentication provider allows WebLogic Server to establish trust by validating a user. You must have one Authentication provider in a security realm, and you can configure multiple Authentication providers in a security realm. Different types of Authentication providers are designed to access different data stores, such as LDAP servers or DBMS.

[Customize this table](#)

Authentication Providers

New Delete Reorder Showing 1 to 4 of 4 Previous Next

Name	Description	Version
FCJBS	Authentication provider for FLEXJBE users	FCJBS 12.2
Trust Service Identity Assertion	Trust Service Identity Assertion Provider	1.0
DefaultAuthenticator	WebLogic Authentication Provider	1.0
DefaultIdentityAssertion	WebLogic Identity Assertion provider	1.0

New Delete Reorder Showing 1 to 4 of 4 Previous Next

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6. Enter the Name with proper Entity Name(entity name we mapped in propertyfile) and select the type as FCUBSUserAuthenticator

The screenshot displays the Oracle WebLogic Server Administration Console interface. The main window is titled 'Create a New Authentication Provider'. The left sidebar contains several panels: 'Change Center' with a 'View changes and restarts' link, 'Domain Structure' showing a tree view of the domain hierarchy, 'How do I...' with links to 'Manage security providers' and 'Configure Authentication and Identity Assertion providers', and 'System Status' showing the health of running servers. The main content area of the dialog includes the following elements:

- Create a New Authentication Provider**: The title of the dialog.
- Create a new Authentication Provider**: A sub-header.
- The following properties will be used to identify your new Authentication Provider.**: A note.
- * Indicates required fields**: A note.
- The name of the authentication provider.**: A label for the 'Name' field.
- Name:** A text input field containing the value 'ENTITYID'.
- This is the type of authentication provider you wish to create.**: A label for the 'Type' field.
- Type:** A dropdown menu with 'FCUBSUserAuthenticator' selected.
- OK** and **Cancel** buttons at the bottom.

At the bottom of the console, there is a footer with the following text:

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7. click on Reorder. Bring the Authentication provider the first in the order and click ok.

The screenshot displays the Oracle WebLogic Server Administration Console. The main window title is "ORACLE WebLogic Server Administration Console 12c". The breadcrumb navigation path is "Home > FCUBS > Summary of Security Realms > myrealm > Summary of Security Realms > myrealm > Summary of Security Realms > myrealm > Providers > ENTITYID > Providers". The left sidebar contains several panels: "Change Center" with a "View changes and restarts" link, "Domain Structure" showing a tree view of the domain hierarchy, "How do I..." with links to "Re-order Authentication providers" and "Set the JAAS control flag", and "System Status" showing the health of running servers. The main content area is titled "Reorder Authentication Providers" and contains the following text: "You can reorder your Authentication Providers using the list below. By reordering Authentication Providers, you can alter the authentication sequence. Select authenticator(s) in the list and use arrows to move them up and down in the list." Below this text is a list of "Available" authentication providers: ENTITYID (checked), FCUBS, Trust Service Identity Asse, DefaultAuthenticator, and DefaultIdentityAsserter. Arrows on the right side of the list allow for reordering. At the bottom of the dialog are "OK" and "Cancel" buttons.

8. Click the Provider that we have created.

ORACLE WebLogic Server Administration Console 12c

Home Log Out Preferences Record Help Welcome, weblogic Connected to: soa_domain

Home > myrealm > Summary of Security Realms > myrealm > Summary of Security Realms > Providers > ENTITYID > Providers

Settings for myrealm

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

Authentication Password Validation Authorization Adjudication Role Mapping Auditing Credential Mapping Certification Path

An Authentication provider allows WebLogic Server to establish trust by validating a user. You must have one Authentication provider in a security realm, and you can configure multiple Authentication providers in a security realm. Different types of Authentication providers are designed to access different data stores, such as LDAP servers or DBMS.

Customize this table

Authentication Providers

New Delete Reorder Showing 1 to 5 of 5 Previous Next

<input type="checkbox"/>	Name	Description	Version
<input type="checkbox"/>	ENTITYID	Authentication provider for FLEXCUBE users	FCUBS 12.2
<input type="checkbox"/>	FCUBS	Authentication provider for FLEXCUBE users	FCUBS 12.2
<input type="checkbox"/>	Trust Service Identity Asserter	Trust Service Identity Assertion Provider	1.0
<input type="checkbox"/>	DefaultAuthenticator	WebLogic Authentication Provider	1.0
<input type="checkbox"/>	DefaultIdentityAsserter	WebLogic Identity Assertion provider	1.0

New Delete Reorder Showing 1 to 5 of 5 Previous Next

Change Center

View changes and restarts

Configuration editing is enabled. Future changes will automatically be activated as you modify, add or delete items in this domain.

Domain Structure

- soa_domain
 - Domain Partitions
 - Environment
 - Deployments
 - Services
 - Security Realms
 - Interoperability
 - Diagnostics

How do I...

- Configure Authentication and Identity Assertion providers
- Configure the Password Validation provider
- Manage security providers
- Set the JAAS control flag
- Re-order Authentication providers

System Status

Health of Running Servers

- Failed (0)
- Critical (0)
- Overloaded (0)
- Warning (0)
- OK (3)

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10.184.133.168:7401/console/console.portal?_nfpb=true&DispatcherPortletperspective=configuration&_pageLabel=...viders.authentication.FCUBSUserAuthenticatorMBean%22%39&DispatcherPortletproviderType=AuthenticationProvider

9. In command tab select the control flag as SUFFICIENT from the list and click on save.

The screenshot displays the Oracle WebLogic Server Administration Console interface. The top navigation bar includes links for Home, Log Out, Preferences, Record, and Help, along with a search bar. The user is logged in as 'weblogic' and is connected to the 'soa_domain'. The breadcrumb trail indicates the current path: Home > Summary of Security Realms > myrealm > Summary of Security Realms > myrealm > Providers > ENTITYYID > Providers > ENTITYYID > Providers > ENTITYYID.

The main content area is titled 'Settings for ENTITYYID' and features a 'Configuration' tab. Under this tab, there are two sub-tabs: 'Common' and 'Provider Specific'. The 'Common' tab is active, showing a 'Save' button at the top. Below the button, a message states: 'This page allows you to define the general configuration of this provider.' The configuration details are as follows:

- Name:** ENTITYYID
- Description:** Authentication provider for FLEXCUBE users
- Version:** FCLBS 12.2
- Control Flag:** SUFFICIENT (selected from a dropdown menu)

A 'Save' button is located at the bottom of the configuration section.

The left sidebar contains several panels:

- Change Center:** View changes and restarts. Configuration editing is enabled. Future changes will automatically be activated as you modify, add or delete items in this domain.
- Domain Structure:** A tree view showing the hierarchy: soa_domain > Domain Partitions > Environment > Deployments > Services > Security Realms > Interoperability > Diagnostics.
- How do I...:** No task help found.
- System Status:** Health of Running Servers. A bar chart shows the status of servers: Failed (0), Critical (0), Overloaded (0), Warning (0), and OK (3).

The bottom of the console displays the version information: WebLogic Server Version: 12.2.1.0.0. Copyright (c) 1996-2015, Oracle and/or its affiliates. All rights reserved. Oracle is a registered trademark of Oracle Corporation and/or its affiliates. Other names may be trademarks of their respective owners.

10. Select the provider specific tab .

The screenshot displays the Oracle WebLogic Server Administration Console 12c. The left sidebar contains the 'Change Center' with a 'View changes and restarts' link, a 'Domain Structure' tree showing the hierarchy from 'soa_domain' down to 'Diagnostics', and a 'System Status' section showing the health of running servers (Failed: 0, Critical: 0, Overloaded: 0, Warning: 0, OK: 3). The main content area shows the 'Settings for ENTITYID' configuration page. The 'Configuration' tab is active, and the 'Provider Specific' sub-tab is selected. The page includes a 'Save' button at the top left of the configuration area. Below the 'Save' button, a message states: 'This page allows you to configure additional attributes for this security provider.' The configuration fields are as follows: 'Ldap Server Ip And Port' is 'localhost389'; 'JNDIName' is 'jdbc/fcdevDS'; 'External Password Required' is unchecked; 'Ldap Server Time Out Duration' is '0'; 'Multi Entity Enabled' is unchecked; 'Security Authentication Type' is 'simple'; 'Entity Id' is 'ENT1'; 'Ldap Domain Name' is 'OFSS.COM'; 'Ldap SSL Enabled' is unchecked; 'Hsadb Or Ldap Login Required' is unchecked; and 'Authentication Type' is 'MSAD'. A 'Save' button is located at the bottom of the configuration area. The footer of the console displays the version 'WebLogic Server Version: 12.2.1.0.0' and copyright information.

ORACLE WebLogic Server Administration Console 12c

Home Log Out Preferences Record Help Welcome, weblogic Connected to: soa_doma

Home > Summary of Security Realms > myrealm > Summary of Security Realms > myrealm > Providers > ENTITYID > Providers > ENTITYID > Providers > ENTITYID

Settings for ENTITYID

Configuration

Common Provider Specific

Save

This page allows you to configure additional attributes for this security provider.

Ldap Server Ip And Port: localhost389

JNDIName: jdbc/fcdevDS

External Password Required

Ldap Server Time Out Duration: 0

Multi Entity Enabled

Security Authentication Type: simple

Entity Id: ENT1

Ldap Domain Name: OFSS.COM

Ldap SSL Enabled

Hsadb Or Ldap Login Required

Authentication Type: MSAD

Save

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11. Change the JNDI name to the Datasource JNDI name which have mapped to the entity in the property file level and check the multi entity enabled checkbox.

The screenshot displays the Oracle WebLogic Server Administration Console interface. The left-hand navigation pane includes sections for 'Change Center', 'Domain Structure' (with a tree view showing 'soa_domain' and its sub-items), 'How do I...', and 'System Status' (showing 'Health of Running Servers' with counts for Failed, Critical, Overloaded, Warning, and OK states). The main content area is titled 'Settings for ENTITTYID' and contains a 'Configuration' tab with 'Common' and 'Provider Specific' sub-tabs. The 'Provider Specific' tab is active, showing various configuration fields. Two fields are highlighted with red rectangles: 'JNDI Name' with the value 'jdbc/fcdevDS' and the 'Multi Entity Enabled' checkbox, which is checked. Other visible fields include 'Ldap Server Ip And Port' (localhost:389), 'External Password Required' (unchecked), 'Ldap Server Time Out Duration' (0), 'Security Authentication Type' (simple), 'Entity Id' (ENT1), 'Ldap Domain Name' (OFSS.COM), 'Ldap SSLEnabled' (unchecked), 'Msad Or Ldap Login Required' (unchecked), and 'Authentication Type' (MSAD). The bottom of the console shows version information: 'WebLogic Server Version: 12.2.1.0.0' and copyright details.

12. Enter the EntityId with the Entity name which we created in the property file level and click on save

The screenshot displays the Oracle WebLogic Server Administration Console. The left sidebar contains a 'Domain Structure' tree with nodes for 'soa_domain', 'Domain Partitions', 'Environment', 'Deployments', 'Services', 'Security Realms', 'Interoperability', and 'Diagnostics'. Below this is a 'System Status' section showing the health of running servers: Failed (0), Critical (0), Overloaded (0), Warning (0), and OK (3). The main content area is titled 'Settings for ENTITYYID' and includes a 'Configuration' tab with 'Common' and 'Provider Specific' sub-tabs. The 'Provider Specific' tab is active, showing various configuration fields. The 'Entity Id' field is highlighted with a red rectangle and contains the value 'ENT1'. Other fields include 'Ldap Server Ip And Port' (localhost:389), 'JNDIName' (jdbc/tjdevDS), 'External Password Required' (unchecked), 'Ldap Server Time Out Duration' (0), 'Multi Entity Enabled' (checked), 'Security Authentication Type' (simple), 'Ldap Domain Name' (OFSS.COM), 'Ldap SSL Enabled' (unchecked), 'Msad Or Ldap Login Required' (unchecked), and 'Authentication Type' (MSAD). A 'Save' button is located at the bottom of the configuration area. The footer of the console displays the WebLogic Server version (12.2.1.0.0) and copyright information.

13. Create the new datasource for each entity with the JNDI name which we mapped in the property file.
14. Restart the Admin server
15. Continue the step1 to step15 for each provider creation in mutlentity scenario.

1.2.5 Configuring DBAdapter

In order to configure DBAdapter, follow the steps given below.

16. Log in to 'Weblogic Console' and click 'Deployment' under 'Domain Structure'.


The screenshot shows the Oracle WebLogic Server Administration Console. The left sidebar contains the 'Domain Structure' tree with 'Dev1201_domain' selected, and 'Deployments' expanded. Below it is the 'How do I...' section with links to install, configure, update, start/stop, monitor, and deploy applications. The 'System Status' section shows the health of running servers. The main content area is titled 'Summary of Deployments' and contains a table of installed applications and modules.

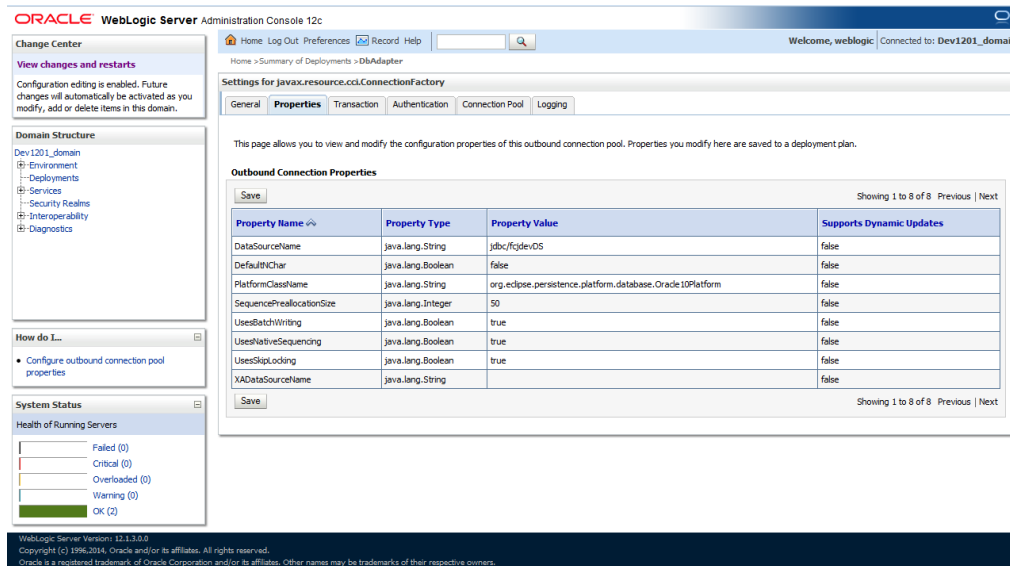
Name	State	Health	Type	Targets	Deployment Order
AgAdapter	Active	OK	Resource Adapter	soa_server1	324
mb2bul	Active	OK	Enterprise Application	soa_server1	313
mbBanComposer	New		Enterprise Application	ban_server1	500
mbBanCQService	New		Enterprise Application	ban_server1	300
mbBanServer	New		Enterprise Application	ban_server1	400
mbBPMComposer	Active	OK	Enterprise Application	soa_server1	385
coherence-transaction-rar	Active	OK	Resource Adapter	AdminServer, ban_server1, soa_server1	100
CoherenceAdapter	Installed		Resource Adapter		331
DBAdapter	Active	OK	Resource Adapter	soa_server1	322
DefaultToDoTaskFlow	Active	OK	Enterprise Application	soa_server1	314
DMS Application (12.1.3.0.0)	Active	OK	Web Application	AdminServer, ban_server1, soa_server1	5
em	Active	OK	Enterprise Application	AdminServer	400
FCUBSApp (12.1.0.0)	Prepared	OK	Enterprise Application	soa_server1	500

11. In the Deployments table, select 'DbAdapter'. You will be navigated to 'Settings for DbAdapter'.

The screenshot shows the 'Settings for DbAdapter' page in the Oracle WebLogic Server Administration Console. The left sidebar is the same as the previous screenshot. The main content area is titled 'Settings for DbAdapter' and contains a table of Outbound Connection Pool groups and instances.

Groups and Instances	Connection Factory Interface
javax.resource.cdi.ConnectionFactory	javax.resource.cdi.ConnectionFactory

12. Click 'Configuration' tab and select 'Outbound Connection Pools' under it.
 13. Under 'Groups and Instances', click and expand 'javax.resource.cci.ConnectionFactory'.
 14. Click 'New' and select 'javax.resource.cci.ConnectionFactory' in Outbound Connection Group.
 15. Define 'JNDI Name' as 'eis/DB/FCCDEV' and click on 'Finish'.
-  The 'jndi name' should be the same as the one in 'Dbutility sub-process'.
16. Click 'DbAdapter' again. The new JNDI name is listed.
 17. Click on the hyperlink 'eis/DB/FCCDEV'.



Settings for javax.resource.cci.ConnectionFactory

General Properties Transaction Authentication Connection Pool Logging

This page allows you to view and modify the configuration properties of this outbound connection pool. Properties you modify here are saved to a deployment plan.

Outbound Connection Properties

Property Name	Property Type	Property Value	Supports Dynamic Updates
DataSourceName	java.lang.String	jdbc/fccdevOS	false
DefaultJNDIChar	java.lang.Boolean	false	false
PlatformClassName	java.lang.String	org.eclipse.persistence.platform.database.Oracle10Platform	false
SequencePreallocationSize	java.lang.Integer	50	false
UsesBatchWriting	java.lang.Boolean	true	false
UsesRelativeSequencing	java.lang.Boolean	true	false
UsesSkipLoding	java.lang.Boolean	true	false
XADataSourceName	java.lang.String		false

18. Click the 'Property Value' field for the 'DataSourceName' and update the application JNDI reference (given in 'fcubs.properties' file) and then press 'Enter' key.
19. Save and restart the Adminserver.

1.2.6 Configuring JMS Adapter

Login in to console → Click on JMS Servers→New

soa-infra (SOA Infrastruct... x FC1211QAR2 (Oracle Web... x Home Page - AlphaDoma... x dev_domain (Oracle Web... x Summary of JMS Servers ... x AlphaDomain (Oracle We... x +

10.184.135.218:7001/console/console.portal?_nfpb=true&_pageLabel=HomePage

ORACLE WebLogic Server Administration Console 12c

Home Log Out Preferences Record Help

Welcome, admin Connected to: AlphaDomain

Home > AlphaDomain > Summary of JMS Servers

Home Page

Information and Resources

Helpful Tools

- Configure applications
- Configure GridLink for RAC Data Source
- Configure a Dynamic Cluster
- Recent Task Status
- Set your console preferences
- Oracle Enterprise Manager

General Information

- Common Administration Task Descriptions
- Read the documentation
- Ask a question on My Oracle Support

Domain Configurations

Domain

- Domain

Environment

- Servers
- Clusters
 - Server Templates
 - Migratable Targets
- Coherence Clusters
- Machines
- Virtual Hosts
- Work Managers
- Startup And Shutdown Classes

Your Deployed Resources

- Deployments

Your Application's Security Settings

- Security Realms

Services

- Messaging
 - JMS Servers
 - Store-and-Forward Agents
 - JMS Modules
 - Path Services
 - Bridges
- Data Sources
- Persistent Stores
- XML Registries
- XML Entity Caches
- Foreign JNDI Providers
- Work Contexts
- JCOM
- Mail Sessions
- FileT3
- JTA
- OSGI Frameworks

Interoperability

- WTC Servers
- Jolt Connection Pools

Diagnostics

- Log Files
- Diagnostic Modules
- Built-in Diagnostic Modules
- Diagnostic Images
- Request Performance
- Archives
- Context
- SNMP

Charts and Graphs

- Monitoring Dashboard

Change Center

View changes and restarts

Configuration editing is enabled. Future changes will automatically be activated as you modify, add or delete items in this domain.

Domain Structure

AlphaDomain

- Environment
 - Servers
 - Clusters
 - Coherence Clusters
 - Machines
 - Virtual Hosts
 - Work Managers
 - Startup and Shutdown Classes
- Deployments
- Services
 - Messaging
 - JMS Servers
 - Store-and-Forward Agents

How do I...

- Search the configuration
- Use the Change Center
- Record WLST Scripts
- Change Console preferences
- Manage Console extensions
- Monitor servers

System Status

Health of Running Servers

	Failed (0)
	Critical (0)
	Overloaded (0)
	Warning (0)
	OK (2)

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11:32 AM 6/23/2015

Oracle WebLogic Server Administration Console 12c

Home > AlphaDomain > Summary of JMS Servers

Summary of JMS Servers

JMS servers act as management containers for the queues and topics in JMS modules that are targeted to them. This page summarizes the JMS servers that have been created in the current WebLogic Server domain.

Customize this table

JMS Servers (Filtered - More Columns Exist)

New Delete

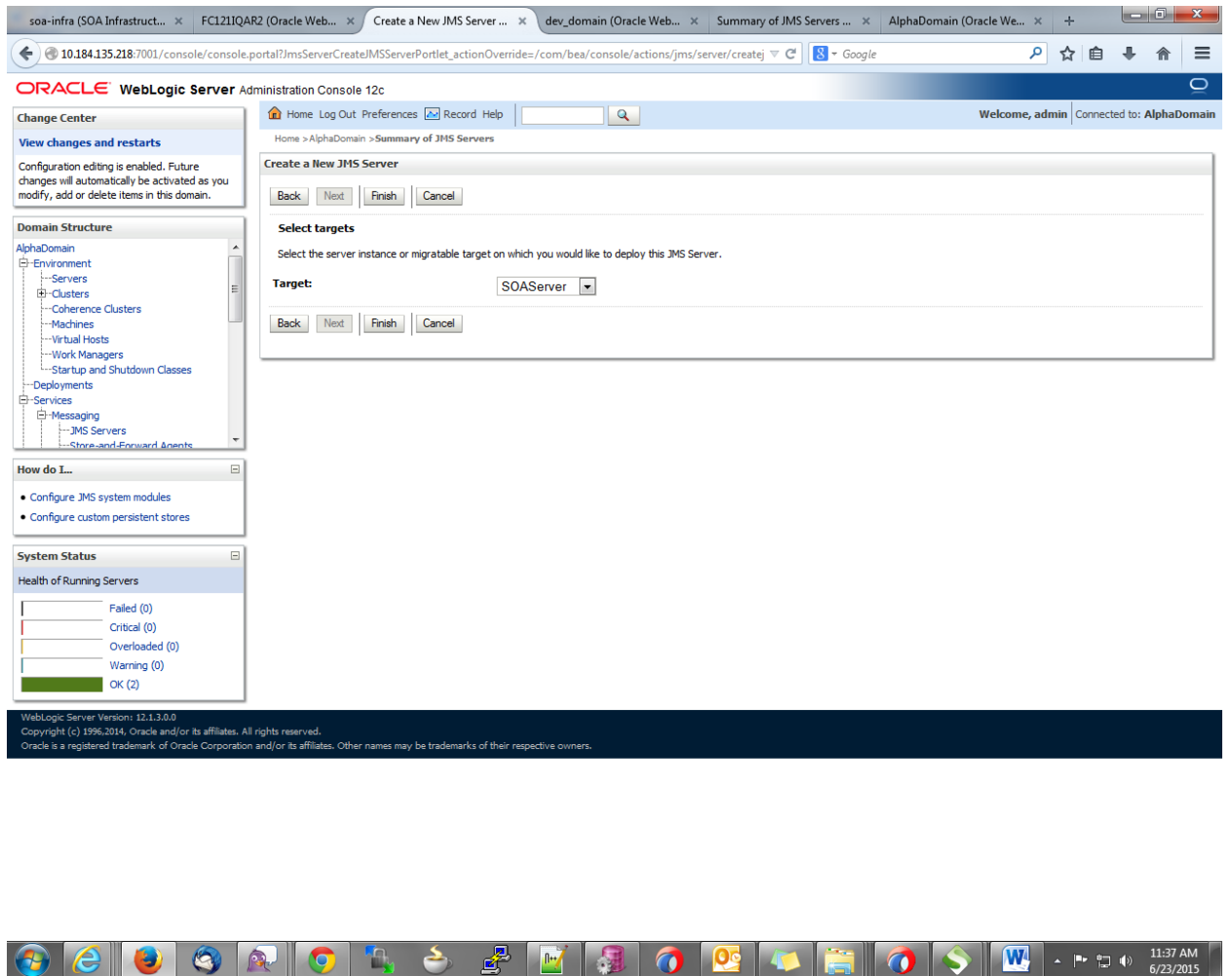
Name	Persistent Store	Target	Current Target	Health
BamAlertEngineJmsServer	BamAlertEngineJmsFileStore	BAMServer	BAMServer	
BamCQServiceJmsServer_BAMServer	BamCQServiceJmsFileStore_BAMServer	BAMServer	BAMServer	
BamReportCacheJmsServer	BamReportCacheJmsFileStore	BAMServer	BAMServer	
BamServerJmsServer_BAMServer	BamServerJmsFileStore_BAMServer	BAMServer	BAMServer	
BPMJMServer	BPMJMSFileStore	SOAServer	SOAServer	OK
SOAJMServer	SOAJMSFileStore	SOAServer	SOAServer	OK
UMSJMServer_auto_1	UMSJMSFileStore_auto_1	BAMServer	BAMServer	OK
UMSJMServer_auto_2	UMSJMSFileStore_auto_2	SOAServer	SOAServer	OK

New Delete

Showing 1 to 8 of 8 Previous | Next

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20. Please provide the below Name for JMS Server and select the file persistent store as below→Next



soa-infra (SOA Infrastruct... x FC1211QAR2 (Oracle Web... x Summary of JMS Servers ... x dev_domain (Oracle Web... x Summary of JMS Servers ... x AlphaDomain (Oracle We... x +

10.184.135.218:7001/console/console.portal?_nfpb=true&_pageLabel=JmsServerJMServerTablePage

ORACLE WebLogic Server Administration Console 12c

Home Log Out Preferences Record Help

Welcome, admin Connected to: AlphaDomain

Change Center

View changes and restarts

Configuration editing is enabled. Future changes will automatically be activated as you modify, add or delete items in this domain.

Domain Structure

AlphaDomain

- Environment
 - Servers
 - Clusters
 - Coherence Clusters
 - Machines
 - Virtual Hosts
 - Work Managers
 - Startup and Shutdown Classes
- Deployments
- Services
 - Messaging
 - JMS Servers
 - Store-and-Forward Agents

How do I...

- Configure JMS servers
- Configure JMS system modules

System Status

Health of Running Servers

Failed (0)

Critical (0)

Overloaded (0)

Warning (0)

OK (2)

Home > AlphaDomain > Summary of JMS Servers

Messages

- ✓ All changes have been activated. No restarts are necessary.
- ✓ JMS Server created successfully

Summary of JMS Servers

JMS servers act as management containers for the queues and topics in JMS modules that are targeted to them.

This page summarizes the JMS servers that have been created in the current WebLogic Server domain.

Customize this table

JMS Servers (Filtered - More Columns Exist)

New Delete

Showing 1 to 9 of 9 Previous | Next

Name	Persistent Store	Target	Current Target	Health
BamAlertEngineJmsServer	BamAlertEngineJmsFileStore	BAMServer	BAMServer	
BamCQServiceJmsServer_BAMServer	BamCQServiceJmsFileStore_BAMServer	BAMServer	BAMServer	
BamReportCacheJmsServer	BamReportCacheJmsFileStore	BAMServer	BAMServer	
BamServerJmsServer_BAMServer	BamServerJmsFileStore_BAMServer	BAMServer	BAMServer	
BPMJMServer	BPMJMSFileStore	SOAServer	SOAServer	✓ OK
FCUBSJMServer	SOAJMSFileStore	SOAServer	SOAServer	✓ OK
SOAJMServer	SOAJMSFileStore	SOAServer	SOAServer	✓ OK
UMSJMServer_auto_1	UMSJMSFileStore_auto_1	BAMServer	BAMServer	
UMSJMServer_auto_2	UMSJMSFileStore_auto_2	SOAServer	SOAServer	✓ OK

New Delete

Showing 1 to 9 of 9 Previous | Next

WebLogic Server Version: 12.1.3.0.0

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4. Go back to Console → JMS Modules → New

soa-infra (SOA Infrastruct... x FC1211QAR2 (Oracle Web... x Home Page - AlphaDoma... x dev_domain (Oracle Web... x Summary of JMS Servers ... x AlphaDomain (Oracle We... x +

10.184.135.218:7001/console/console.portal?_nfpb=true&_pageLabel=HomePage1

ORACLE WebLogic Server Administration Console 12c

Home Log Out Preferences Record Help

Welcome, admin Connected to: AlphaDomain

Home > AlphaDomain > Summary of JMS Servers > Summary of JMS Modules

Home Page

Information and Resources

Helpful Tools

- Configure applications
- Configure GridLink for RAC Data Source
- Configure a Dynamic Cluster
- Recent Task Status
- Set your console preferences
- Oracle Enterprise Manager

General Information

- Common Administration Task Descriptions
- Read the documentation
- Ask a question on My Oracle Support

Domain Configurations

Domain

- Domain

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- Clusters
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 - Migratable Targets
- Coherence Clusters
- Machines
- Virtual Hosts
- Work Managers
- Startup And Shutdown Classes

Your Deployed Resources

- Deployments

Your Application's Security Settings

- Security Realms

Services

- Messaging
 - JMS Servers
 - Store-and-Forward Agents
 - JMS Modules**
 - Path Services
 - Bridges
- Data Sources
- Persistent Stores
- XML Registries
- XML Entity Caches
- Foreign JNDI Providers
- Work Contexts
- JCOM
- Mail Sessions
- FileT3
- JTA
- OSGI Frameworks

Interoperability

- WTC Servers
- Jolt Connection Pools

Diagnostics

- Log Files
- Diagnostic Modules
- Built-in Diagnostic Modules
- Diagnostic Images
- Request Performance
- Archives
- Context
- SNMP

Charts and Graphs

- Monitoring Dashboard

Change Center

View changes and restarts

Configuration editing is enabled. Future changes will automatically be activated as you modify, add or delete items in this domain.

Domain Structure

AlphaDomain

- Environment
 - Servers
 - Clusters
 - Coherence Clusters
 - Machines
 - Virtual Hosts
 - Work Managers
 - Startup and Shutdown Classes
- Deployments
- Services
 - Messaging
 - JMS Servers
 - Store-and-Forward Agents

How do I...

- Search the configuration
- Use the Change Center
- Record WLST Scripts
- Change Console preferences
- Manage Console extensions
- Monitor servers

System Status

Health of Running Servers

Failed (0)
Critical (0)
Overloaded (0)
Warning (0)
OK (2)

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10.184.135.218:7001/console/console.portal?_nfpb=true&_pageLabel=JmsModulesTablePage

11:44 AM 6/23/2015

The screenshot shows the Oracle WebLogic Server Administration Console. The main content area is titled "Summary of JMS Modules". It contains a table of JMS modules. The "New" button is highlighted with a red circle. The table has columns for "Name" and "Type".

Name	Type
BanAlertEngineJmsSystemModule	System
BanCQServiceJmsSystemResource_BAMServer	System
BanReportCacheJmsSystemModule	System
BanServerJmsSystemResource	System
BPMJMSModule	System
SOAJMSModule	System
UMSAQJMSModule	System
UMSJMSModule	System

5. Create a JMS Module with the below Name→Next→Select the target as SOA Server→Finish

soa-infra (SOA Infrastruct... x FC1211QAR2 (Oracle Web... x Create JMS System Modu... x dev_domain (Oracle Web... x Summary of JMS Servers ... x AlphaDomain (Oracle We... x +

10.184.135.218:7001/console/console.portal?CreateJMSSystemModulePortletreturnTo=jmsModulesTablePage&jmsModulesTablePortletName= Google

ORACLE WebLogic Server Administration Console 12c

Home Log Out Preferences Record Help Welcome, admin Connected to: AlphaDomain

Change Center
View changes and restarts
Configuration editing is enabled. Future changes will automatically be activated as you modify, add or delete items in this domain.

Domain Structure
AlphaDomain
Environment
Servers
Clusters
Coherence Clusters
Machines
Virtual Hosts
Work Managers
Startup and Shutdown Classes
Deployments
Services
Messaging
JMS Servers
Store-and-Forward Agents

How do I...
Configure JMS system modules
Configure JMS servers

System Status
Health of Running Servers
Failed (0)
Critical (0)
Overloaded (0)
Warning (0)
OK (2)

Create JMS System Module
Back Next Finish Cancel

The following properties will be used to identify your new module.

JMS system resources are configured and stored as modules similar to standard J2EE modules. Such resources include queues, topics, connection factories, templates, destination keys, quota, distributed queues, distributed topics, foreign servers, and JMS store-and-forward (SAF) parameters. You can administratively configure and manage JMS system modules as global system resources.

* Indicates required fields

What would you like to name your System Module?
* Name: FCUBSJMSModule

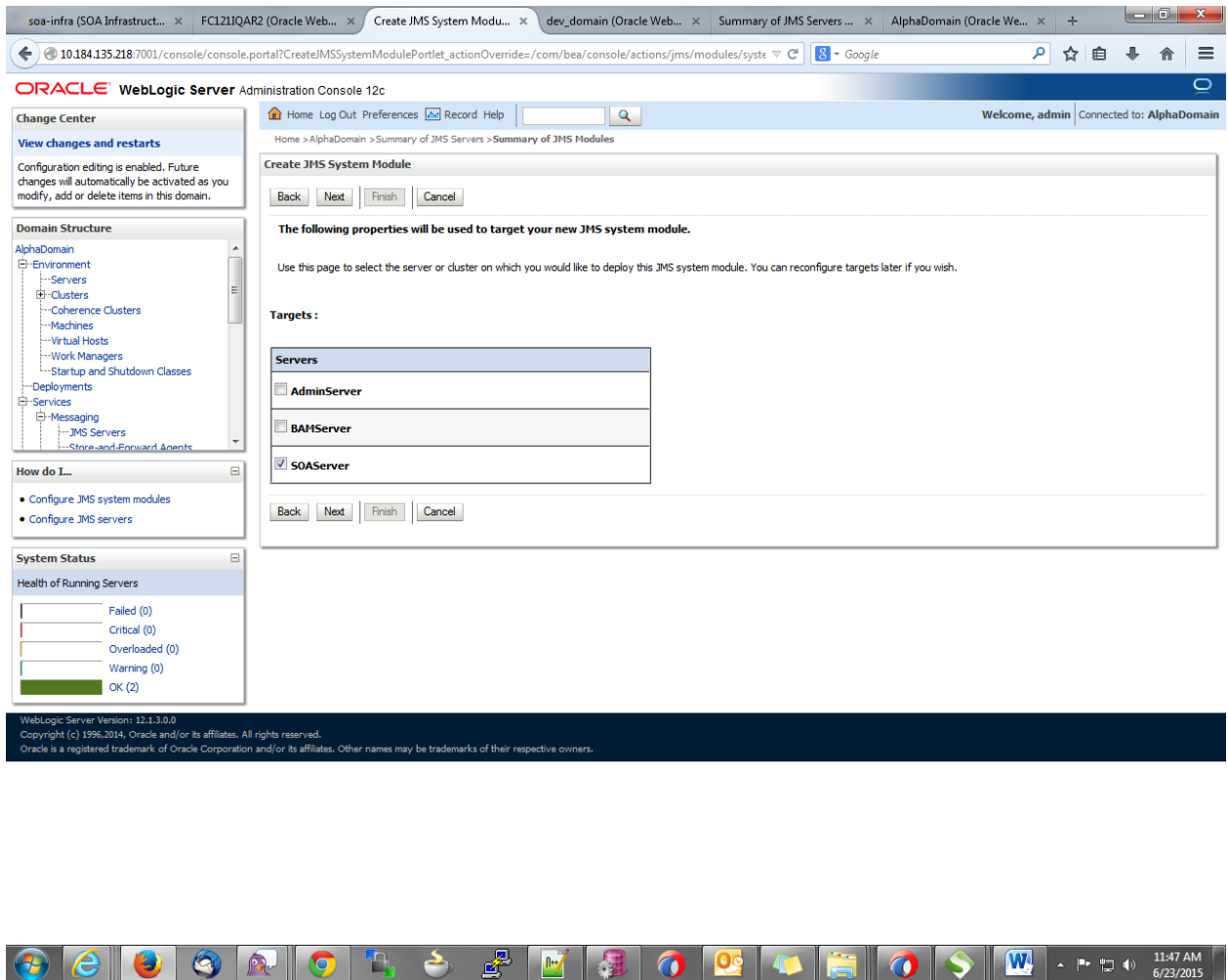
What would you like to name the descriptor file name? If you do not provide a name, a default will be assigned.
Descriptor File Name:

Where would like to place the descriptor for this System Module, relative to the jms configuration sub-directory of your domain?
Location In Domain:

Back Next Finish Cancel

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Windows taskbar showing icons for Internet Explorer, Firefox, Chrome, and other applications. System clock: 11:47 AM 6/23/2015



ORACLE WebLogic Server Administration Console 12c

Home > AlphaDomain > Summary of JMS Servers > Summary of JMS Modules > FCUBSJMSModule

Messages

- ✓ All changes have been activated. No restarts are necessary.
- ✓ The JMS module was created successfully.

Settings for FCUBSJMSModule

Configuration | Subdeployments | Targets | Security | Notes

This page displays general information about a JMS system module and its resources. It also allows you to configure new resources and access existing resources.

Name: FCUBSJMSModule The name of this JMS system module. [More Info...](#)

Descriptor File Name: jms/fcubsjmsmodule-jms.xml The name of the JMS module descriptor file. [More Info...](#)

This page summarizes the JMS resources that have been created for this JMS system module, including queue and topic destinations, connection factories, JMS templates, destination sort keys, destination quota, distributed destinations, foreign servers, and store-and-forward parameters.

[Customize this table](#)

Summary of Resources

[New](#) [Delete](#) Showing 0 to 0 of 0 Previous | Next

<input type="checkbox"/>	Name ↕	Type	JNDI Name	Subdeployment	Targets
There are no items to display					

[New](#) [Delete](#) Showing 0 to 0 of 0 Previous | Next

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1. Go back to JMS Modules→FCUBSJMSModule→New

The screenshot displays the Oracle WebLogic Server Administration Console 12c. The browser address bar shows the URL: 10.184.135.218:7001/console/console.portal?_nfpb=true&_pageLabel=JMSSystemModuleConfigGeneralPage&handle=com.bea.console.han. The console header includes the Oracle logo and 'WebLogic Server Administration Console 12c'. The left sidebar contains navigation menus for 'Change Center', 'Domain Structure', 'How do I...', and 'System Status'. The main content area is titled 'Settings for FCUBSJMSModule' and includes tabs for 'Configuration', 'Subdeployments', 'Targets', 'Security', and 'Notes'. The 'Configuration' tab is active, showing general information about the JMS system module. It includes fields for 'Name' (FCUBSJMSModule) and 'Descriptor File Name' (jms/fcubsjmsmodule-jms.xml). Below this is a 'Summary of Resources' section with a table that currently shows no items. The bottom of the console displays the version 'WebLogic Server Version: 12.1.3.0.0' and copyright information.



2. Click on Connection Factory→ next→Create the connection Factory with the below Names→Next

The screenshot displays the Oracle WebLogic Server Administration Console 12c interface. The main window shows the 'Create a New JMS System Module Resource' wizard. The wizard is for creating a connection factory named 'UBSConnectionfactory' with JNDI Name 'jndi/FCUBSConnectionfactory'. It includes settings for Subscription Sharing Policy (Exclusive), Client ID Policy (Restricted), and Maximum Messages per Session (10). The 'XA Connection Factory Enabled' checkbox is checked. The left sidebar shows the Domain Structure and System Status.

Change Center
View changes and restarts
Configuration editing is enabled. Future changes will automatically be activated as you modify, add or delete items in this domain.

Domain Structure
AlphaDomain
Environment
Servers
Clusters
Coherence Clusters
Machines
Virtual Hosts
Work Managers
Startup and Shutdown Classes
Deployments
Services
Messaging
JMS Servers
Store-and-Forward Agents

How do I...
• Configure quotas for destinations
• Configure JMS templates
• Configure destination keys
• Configure topics
• Configure queues
• Configure connection factories
• Configure uniform distributed topics
• Configure uniform distributed queues
• Configure foreign servers
• Configure JMS SAF

System Status
Health of Running Servers
Failed (0)
Critical (0)
Overloaded (0)
Warning (0)
OK (2)

Create a New JMS System Module Resource
Back Next Finish Cancel
Connection Factory Properties
The following properties will be used to identify your new connection factory. The current module is FCUBSJMSModule.
* Indicates required fields
What would you like to name your new connection factory?
* Name: UBSConnectionfactory
What JNDI Name would you like to use to look up your new connection factory?
JNDI Name: jndi/FCUBSConnectionfactory
The Connection Factory Subscription Sharing Policy Subscribers can be used to control which subscribers can access new subscriptions. Should subscriptions created using this factory be sharable?
Subscription Sharing Policy: Exclusive
The Client ID Policy indicates whether more than one JMS connection can use the same Client ID. Oracle recommends setting the Client ID policy to Unrestricted if sharing durable subscribers. Subscriptions created with different Client ID policies are always treated as independent subscriptions. What Client ID Policy would you like to use?
Client ID Policy: Restricted
A connection factory can limit the number of messages that can be queued for an asynchronous session. Should this connection factory impose a limit?
Maximum Messages per Session: 10
Should this connection factory create sessions that are JTA aware, and create XA queues and XA topics?
☒ XA Connection Factory Enabled
Back Next Finish Cancel

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3. Select Advanced targeting→create New Sub Deployment with the below Name→Select the target as JMS server which we have created on top→Finish

soa-infra (SOA Infrastruct...

FC1211QAR2 (Oracle Web...

Create a New JMS System...

dev_domain (Oracle Web...

Summary of JMS Servers ...

AlphaDomain (Oracle We...

10.184.135.218:7001/console/console.portal?jmsCreateSystemModuleEntityPortlet_actionOverride=/com/bsa/console/actions/jms/connecti
Google

ORACLE WebLogic Server Administration Console 12c

Change Center

View changes and restarts

Configuration editing is enabled. Future changes will automatically be activated as you modify, add or delete items in this domain.

Domain Structure

AlphaDomain
Environment
Clusters
Coherence Clusters
Machines
Virtual Hosts
Work Managers
Startup and Shutdown Classes
Deployments
Services
Messaging
JMS Servers
Store-and-Forward Agents

How do I...

Configure quotas for destinations
Configure JMS templates
Configure destination keys
Configure topics
Configure queues
Configure connection factories
Configure uniform distributed topics
Configure uniform distributed queues
Configure foreign servers
Configure JMS SAF

System Status

Health of Running Servers

Failed (0)
Critical (0)
Overloaded (0)
Warning (0)
OK (2)

Home Log Out Preferences Record Help

Welcome, admin Connected to: AlphaDomain

Home > Summary of JMS Modules > FCUBSJMSModule > Summary of JMS Modules > FCUBSJMSModule > FCUBSJMSModule > Summary of JMS Modules > FCUBSJMSModule > placeholder

Create a New JMS System Module Resource

Back Next Finish Advanced Targeting Cancel

The following properties will be used to target your new JMS system module resource

Use this page to view and accept the default targets where this JMS resource will be targeted. The default targets are based on the parent JMS system module targets. If you do not want to accept the default targets, then click: **Advanced Targeting** to use the subdeployment mechanism for targeting this resource.

The following JMS module targets will be used as the default targets for your new JMS system module resource. If the module's targets are changed, this resource will also be retargeted appropriately.

Targets:

Servers

SOAServer

Back Next Finish Advanced Targeting Cancel

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soa-infra (SOA Infrastruct... x FC1211QAR2 (Oracle Web... x Create a New JMS System... x dev_domain (Oracle Web... x Summary of JMS Servers ... x AlphaDomain (Oracle We... x +

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ORACLE WebLogic Server Administration Console 12c

Home Log Out Preferences Record Help Welcome, admin Connected to: AlphaDomain

Change Center
View changes and restarts
Configuration editing is enabled. Future changes will automatically be activated as you modify, add or delete items in this domain.

Domain Structure
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Services
Messaging
JMS Servers
Store-and-Forward Agents

How do I...
• Configure quotas for destinations
• Configure JMS templates
• Configure destination keys
• Configure topics
• Configure queues
• Configure connection factories
• Configure uniform distributed topics
• Configure uniform distributed queues
• Configure foreign servers
• Configure JMS SAF

System Status
Health of Running Servers
Failed (0)
Critical (0)
Overloaded (0)
Warning (0)
OK (2)

Create a New JMS System Module Resource
Back Next Finish Cancel

The following properties will be used to target your new JMS system module resource

Use this page to select a subdeployment to assign this system module resource. A subdeployment is a mechanism by which JMS resources are grouped and targeted to a server instance, cluster, or SAF agent. If necessary, you can create a new subdeployment by clicking the **Create a New Subdeployment** button. You can also reconfigure subdeployment targets later by using the parent module's subdeployment management page.

Select the subdeployment you want to use. If you select (none), no targeting will occur.

Subdeployments: (none) **Create a New Subdeployment**

What targets do you want to assign to this subdeployment?

Targets:
Back Next Finish Cancel

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ORACLE WebLogic Server Administration Console 12c

Home Log Out Preferences Record Help Welcome, admin Connected to: AlphaDomain

Home > Summary of JMS Modules > FCUBSJMSModule > Summary of JMS Modules > FCUBSJMSModule > FCUBSJMSModule > Summary of JMS Modules > FCUBSJMSModule > placeholder

Create a New Subdeployment

OK Cancel

Subdeployment Properties

The following properties will be used to identify your new subdeployment.

Subdeployment Name: FCUBS

OK Cancel

Change Center

View changes and restarts

Configuration editing is enabled. Future changes will automatically be activated as you modify, add or delete items in this domain.

Domain Structure

AlphaDomain

- Environment
 - Servers
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 - JMS Servers
 - Store-and-Forward Agents

How do I...

- Configure quotas for destinations
- Configure JMS templates
- Configure destination keys
- Configure topics
- Configure queues
- Configure connection factories
- Configure uniform distributed topics
- Configure uniform distributed queues
- Configure foreign servers
- Configure JMS SAF

System Status

Health of Running Servers

	Failed (0)
	Critical (0)
	Overloaded (0)
	Warning (0)
	OK (2)

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ORACLE WebLogic Server Administration Console 12c

Home Log Out Preferences Record Help Welcome, admin Connected to: AlphaDomain

Home > Summary of JMS Modules > FCUBSJMSModule > Summary of JMS Modules > FCUBSJMSModule > FCUBSJMSModule > Summary of JMS Modules > FCUBSJMSModule > placeholder

Create a New JMS System Module Resource

Back Next Finish Cancel

The following properties will be used to target your new JMS system module resource

Use this page to select a subdeployment to assign this system module resource. A subdeployment is a mechanism by which JMS resources are grouped and targeted to a server instance, cluster, or SAF agent. If necessary, you can create a new subdeployment by clicking the **Create a New Subdeployment** button. You can also reconfigure subdeployment targets later by using the parent module's subdeployment management page.

Select the subdeployment you want to use. If you select (none), no targeting will occur.

Subdeployments: FCUBS Create a New Subdeployment

What targets do you want to assign to this subdeployment?

Targets :

Servers

☐ SOAServer

JMS Servers

☐ BPHJMSServer

☒ FCUBSJMSServer

☐ SOAJMSServer

☐ UMSJMSServer_auto_2

Back Next Finish Cancel

Change Center

View changes and restarts

Pending changes exist. They must be activated to take effect. You may activate them now. Otherwise, they will be automatically activated when you next modify, add or delete items in this domain.

Activate Changes

Undo All Changes

Domain Structure

AlphaDomain

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How do I...

- Configure quotas for destinations
- Configure JMS templates
- Configure destination keys
- Configure topics
- Configure queues
- Configure connection factories
- Configure uniform distributed topics
- Configure uniform distributed queues
- Configure foreign servers
- Configure JMS SAF

System Status

Health of Running Servers

Failed (0)

Critical (0)

Overloaded (0)

Warning (0)

OK (2)

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FC121IQR2 (Oracle Web...
Settings for FCUBSJMSM...
dev_domain (Oracle Web...
Summary of JMS Servers ...
AlphaDomain (Oracle We...
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10.184.135.218:7001/console/console.portal?_nfpb=true&_pageLabel=JMSSystemModuleConfigGeneralPage
Google

ORACLE WebLogic Server Administration Console 12c

Home Log Out Preferences Record Help
Welcome, admin Connected to: AlphaDomain

Change Center
View changes and restarts
Configuration editing is enabled. Future changes will automatically be activated as you modify, add or delete items in this domain.

Domain Structure
AlphaDomain
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Store-and-Forward Agents

How do I...
No task help found.

System Status
Health of Running Servers
Failed (0)
Critical (0)
Overloaded (0)
Warning (0)
OK (2)

Home > Summary of JMS Modules > FCUBSJMSModule > Summary of JMS Modules > FCUBSJMSModule > FCUBSConnectionFactory > Summary of JMS Modules > FCUBSJMSModule > Summary of JMS Modules > FCUBSJMSModule > placeholder
Messages
All changes have been activated. No restarts are necessary.
Connection factory created successfully.

Settings for FCUBSJMSModule
Configuration Subdeployments Targets Security Notes
This page displays general information about a JMS system module and its resources. It also allows you to configure new resources and access existing resources.
Name: FCUBSJMSModule The name of this JMS system module. [More Info...](#)
Descriptor File Name: jms/FCUBSJMSModule-jms.xml The name of the JMS module descriptor file. [More Info...](#)
This page summarizes the JMS resources that have been created for this JMS system module, including queue and topic destinations, connection factories, JMS templates, destination sort keys, destination quota, distributed destinations, foreign servers, and store-and-forward parameters.
[Customize this table](#)
Summary of Resources
New Delete Showing 1 to 1 of 1 Previous | Next

Name	Type	JNDI Name	Subdeployment	Targets
FCUBSConnectionFactory	Connection Factory	jndi/FCUBSConnectionFactory	FCUBS	FCUBSJMSServer

New Delete Showing 1 to 1 of 1 Previous | Next

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The screenshot displays the Oracle WebLogic Server Administration Console 12c interface. The browser tabs at the top include 'soa-infra (SOA Infrastruct...', 'FC121IQR2 (Oracle Web...', 'Settings for FCUBSJMSM...', 'dev_domain (Oracle Web...', 'Summary of JMS Servers ...', and 'AlphaDomain (Oracle We...'. The address bar shows the URL '10.184.135.218:7001/console/console.portal?_nfpb=true&_pageLabel=JMSSystemModuleConfigGeneralPage'.

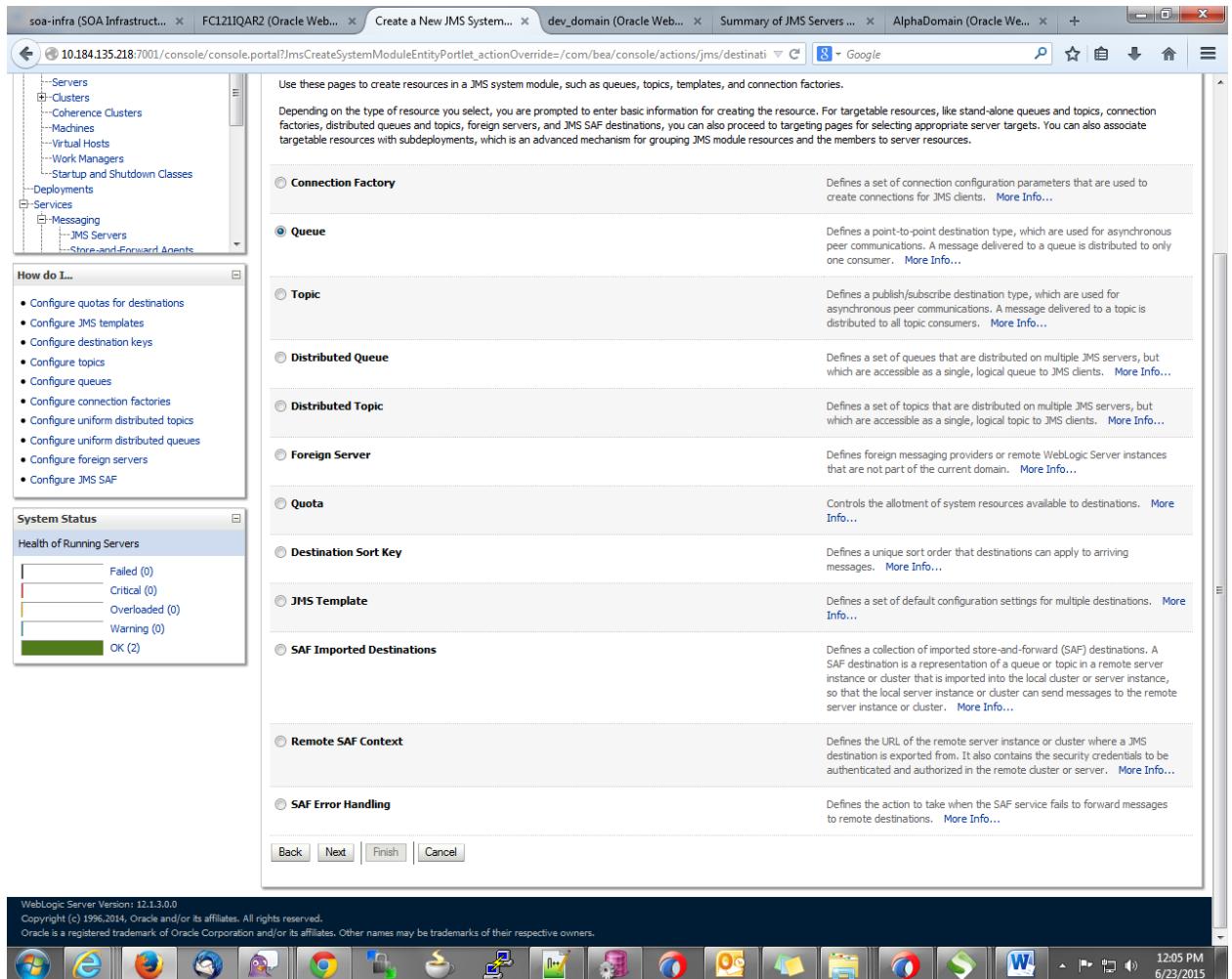
The console header shows 'ORACLE WebLogic Server Administration Console 12c' and a welcome message for 'admin' connected to 'AlphaDomain'. The left sidebar contains a 'Domain Structure' tree with 'AlphaDomain' expanded, showing 'Environment' (Servers, Clusters, Coherence Clusters, Machines, Virtual Hosts, Work Managers, Startup and Shutdown Classes), 'Deployments', 'Services' (Messaging, JMS Servers, Store-and-Forward Agents), and 'How do I...'. The 'System Status' section shows 'Health of Running Servers' with 'Failed (0)', 'Critical (0)', 'Overloaded (0)', 'Warning (0)', and 'OK (2)'.

The main content area is titled 'Settings for FCUBSJMSModule' and has tabs for 'Configuration', 'Subdeployments', 'Targets', 'Security', and 'Notes'. The 'Configuration' tab is active, displaying general information about the JMS system module. It includes a 'Name' field set to 'FCUBSJMSModule' and a 'Descriptor File Name' field set to 'jms/FCUBSJMSModule-jms.xml'. Below this, a 'Summary of Resources' table is shown, listing the 'FCUBSConnectionFactory' as a 'Connection Factory' with a 'JNDI Name' of 'jndi/FCUBSConnectionFactory' and a 'Subdeployment' of 'FCUBS'. The table also shows 'Targets' as 'FCUBSJMSServer'.

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4. Go back to console → Click on JMS Modules → New → check on Queue → next



5. Create Queue with Name NOTIFY_DEST_QUEUE and JNDI name as jms/NOTIFY_DEST_QUEUE→select the sub deployment which we have created earlier
→Next→Finish

soa-infra (SOA Infrastruct... x FC1211QAR2 (Oracle Web... x Create a New JMS System... x dev_domain (Oracle Web... x Summary of JMS Servers ... x AlphaDomain (Oracle We... x +

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ORACLE WebLogic Server Administration Console 12c

Home Log Out Preferences Record Help Welcome, admin Connected to: AlphaDomain

Home > Summary of JMS Modules > FCUBSJMSModule > Summary of JMS Modules > FCUBSJMSModule > FCUBSJMSModule > Summary of JMS Modules > FCUBSJMSModule > placeholder

Create a New JMS System Module Resource

Back Next Finish Cancel

JMS Destination Properties

The following properties will be used to identify your new Queue. The current module is FCUBSJMSModule.

* Indicates required fields

* Name: NOTIFY_DEST_QUEL

JNDI Name: jms/NOTIFY_DEST_QUEUE

Template: None

Back Next Finish Cancel

Change Center

View changes and restarts

Configuration editing is enabled. Future changes will automatically be activated as you modify, add or delete items in this domain.

Domain Structure

AlphaDomain

- Environment
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 - Startup and Shutdown Classes
- Deployments
- Services
 - Messaging
 - JMS Servers
 - Store-and-Forward Agents

How do I...

- Configure quotas for destinations
- Configure JMS templates
- Configure destination keys
- Configure topics
- Configure queues
- Configure connection factories
- Configure uniform distributed topics
- Configure uniform distributed queues
- Configure foreign servers
- Configure JMS SAF

System Status

Health of Running Servers

	Failed (0)
	Critical (0)
	Overloaded (0)
	Warning (0)
	OK (2)

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ORACLE WebLogic Server Administration Console 12c

Home Log Out Preferences Record Help Welcome, admin Connected to: AlphaDomain

Change Center

View changes and restarts

Configuration editing is enabled. Future changes will automatically be activated as you modify, add or delete items in this domain.

Domain Structure

AlphaDomain

- Environment
 - Servers
 - Clusters
 - Coherence Clusters
 - Machines
 - Virtual Hosts
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 - Startup and Shutdown Classes
- Deployments
- Services
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 - JMS Servers
 - Store-and-Forward Agents

How do I...

- Configure quotas for destinations
- Configure JMS templates
- Configure destination keys
- Configure topics
- Configure queues
- Configure connection factories
- Configure uniform distributed topics
- Configure uniform distributed queues
- Configure foreign servers
- Configure JMS SAF

System Status

Health of Running Servers

	Failed (0)
	Critical (0)
	Overloaded (0)
	Warning (0)
	OK (2)

Create a New JMS System Module Resource

Back Next Finish Cancel

The following properties will be used to target your new JMS system module resource

Use this page to select a subdeployment to assign this system module resource. A subdeployment is a mechanism by which JMS resources are grouped and targeted to a server instance, cluster, or SAF agent. If necessary, you can create a new subdeployment by clicking the **Create a New Subdeployment** button. You can also reconfigure subdeployment targets later by using the parent module's subdeployment management page.

Select the subdeployment you want to use. If you select (none), no targeting will occur.

Subdeployments: FCUBS Create a New Subdeployment

What targets do you want to assign to this subdeployment?

Targets:

JMS Servers

- ☐ BPHJMSServer
- ☒ FCUBSJMSServer
- ☐ SOAJMSServer
- ☐ UMSJMSServer_auto_2

Back Next Finish Cancel

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Home > Summary of JMS Modules > FCUBSJMSModule > Summary of JMS Modules > FCUBSJMSModule > FCUBSConnectionFactory > Summary of JMS Modules > FCUBSJMSModule > Summary of JMS Modules > FCUBSJMSModule > placeholder

Messages

- ✓ All changes have been activated. No restarts are necessary.
- ✓ The JMS Queue was created successfully.

Settings for FCUBSJMSModule

Configuration Subdeployments Targets Security Notes

This page displays general information about a JMS system module and its resources. It also allows you to configure new resources and access existing resources.

Name: FCUBSJMSModule The name of this JMS system module. [More Info...](#)

Descriptor File Name: jms/FCUBSJMSModule-jms.xml The name of the JMS module descriptor file. [More Info...](#)

This page summarizes the JMS resources that have been created for this JMS system module, including queue and topic destinations, connection factories, JMS templates, destination sort keys, destination quota, distributed destinations, foreign servers, and store-and-forward parameters.

[Customize this table](#)

Summary of Resources

New Delete Showing 1 to 2 of 2 Previous | Next

Name	Type	JNDI Name	Subdeployment	Targets
FCUBSConnectionFactory	Connection Factory	jndi/FCUBSConnectionFactory	FCUBS	FCUBSJMSServer
NOTIFY_DEST_QUEUE	Queue	jms/NOTIFY_DEST_QUEUE	FCUBS	FCUBSJMSServer

New Delete Showing 1 to 2 of 2 Previous | Next

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11. Please create the **MDB_QUEUE_RESPONSE**, **eis/jms/ORGateway**, **FAULT_QUEUE_RESPONSE** Queues as above in console with in **FCUBSJMSModule**. (Follow step 9-10 in 1.2.7)

12. Go to Console → Deployment → JMS Adapter → Configuration → outbound connection pool → New → next → Finish

soa-infra (SOA Infrastruct... x FC1211QAR2 (Oracle Web... x Summary of Deployment... x dev_domain (Oracle Web... x Summary of JMS Servers... x AlphaDomain (Oracle We... x

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DMS Application (12.1.3.0.0)	Active	OK	Web Application	AdminServer, BAMServer, SOAServer	5
em	Active	OK	Enterprise Application	AdminServer	400
FCUBSAppUIT (12.1.0.0.0)	Active	Warning	Enterprise Application	SOAServer	600
FileAdapter	Active	OK	Resource Adapter	SOAServer	321
frevvo	Active	OK	Enterprise Application	SOAServer	100
FtpAdapter	Active	OK	Resource Adapter	SOAServer	325
GWWebServices (12.1.0.0.0)	Active	OK	Enterprise Application	SOAServer	600
JDEWorldAdapter	Installed		Resource Adapter		333
JmsAdapter	Active	OK	Resource Adapter	SOAServer	323
LdapAdapter	Installed		Resource Adapter		332
MQSeriesAdapter	Active	OK	Resource Adapter	SOAServer	327
MSMQAdapter	Installed		Resource Adapter		334
OAAPredictionService	Active	OK	Enterprise Application	SOAServer	100
OracleAppsAdapter	Active	OK	Resource Adapter	SOAServer	328
OracleBamAdapter	Installed		Resource Adapter		329
OracleBPMBACServerApp	Active	OK	Enterprise Application	SOAServer	384
OracleBPMComposerRolesApp	Active	OK	Enterprise Application	SOAServer	382
OracleBPMProcessRolesApp	Active	OK	Enterprise Application	SOAServer	381
OracleBPMWorkspace	Active	OK	Enterprise Application	SOAServer	383
SAPAdapter	Installed		Resource Adapter		335
SimpleApprovalTaskFlow	Active	OK	Enterprise Application	SOAServer	386
soa-infra	Active	OK	Enterprise Application	SOAServer	350
soa-webapps	Active	OK	Enterprise Application	SOAServer	360

10.184.135.218:7001/console/console.portal?_nfpb=true&_pageLabel=AppApplicationDispatcherPage&AppApplication=JmsAdapter...Portlethandle=com.bea.console.handles.AppDeploymentHandle("com.bea:Name=JmsAdapter,Type=AppDeployment")

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Home Log Out Preferences Record Help Welcome, admin Connected to: AlphaDomain

Home > FCUBSJMSModule > placeholder > Summary of Deployments > JmsAdapter > Summary of Deployments > JmsAdapter > Summary of Deployments > JmsAdapter > Summary of Deployments > JmsAdapter

Create a New Outbound Connection

Back Next Finish Cancel

Outbound Connection Group

In which outbound connection group do you want to create an instance?

Outbound Connection Groups

Showing 1 to 1 of 1 Previous Next

Outbound Connection Group
oracle.tip.adapter.jms.IJmsConnectionFactory

Showing 1 to 1 of 1 Previous Next

Back Next Finish Cancel

Change Center

View changes and restarts

Configuration editing is enabled. Future changes will automatically be activated as you modify, add or delete items in this domain.

Domain Structure

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 - Deployments
 - Services
 - Messaging
 - JMS Servers
 - Store-and-Forward Agents

How do I...

- Configure outbound connection pool properties

System Status

Health of Running Servers

Failed (0)
Critical (0)
Overloaded (0)
Warning (0)
OK (2)

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ORACLE WebLogic Server Administration Console 12c

Home Log Out Preferences Record Help Welcome, admin Connected to: AlphaDomain

Home > FCUBSJMModule > placeholder > Summary of Deployments > JmsAdapter > Summary of Deployments > JmsAdapter > Summary of Deployments > JmsAdapter > Summary of Deployments > JmsAdapter

Create a New Outbound Connection

Back Next Finish Cancel

JNDI name for Outbound Connection Instance

Enter the JNDI name that you want to use to obtain the new connection instance

* Indicates required fields

The Outbound Connection instance represents a connection pool. The JNDI name can be used to obtain the pool at runtime.

* JNDI Name: eis/Queue/Notif

Back Next Finish Cancel

Change Center

View changes and restarts

Configuration editing is enabled. Future changes will automatically be activated as you modify, add or delete items in this domain.

Domain Structure

- AlphaDomain
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 - JMS Servers
 - Store-and-Forward Agents

How do I...

- Configure outbound connection pool properties

System Status

Health of Running Servers

	Failed (0)
	Critical (0)
	Overloaded (0)
	Warning (0)
	OK (2)

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e Highlight All Match Case

12:12 PM 6/23/2015

10.184.135.218:7001/console/console.portal?_pageLabel=ConnectorApplicationConfigurationOutboundConnectionPoolPage&_nfbp=true&v=

list by connection factory interface and the instances are listed by their JNDI names. Expand a group to obtain configuration information for a Connection Pool instance within an Outbound Connection Pool group. Click the name of a group or instance to configure it. Automatically generated Connection Pools are not displayed in the table below.

Outbound Connection Pool Configuration Table

New Delete Showing 1 to 1 of 1 Previous | Next

Groups and Instances	Connection Factory Interface
oracle.tp.adapter.jms.IJmsConnectionFactory	oracle.tp.adapter.jms.IJmsConnectionFactory
eis/activemq/Queue	oracle.tp.adapter.jms.IJmsConnectionFactory
eis/aqms/EDNLocalTxDurableTopic	oracle.tp.adapter.jms.IJmsConnectionFactory
eis/aqms/EDNLocalTxTopic	oracle.tp.adapter.jms.IJmsConnectionFactory
eis/aqms/EDNxaDurableTopic	oracle.tp.adapter.jms.IJmsConnectionFactory
eis/aqms/EDNxaTopic	oracle.tp.adapter.jms.IJmsConnectionFactory
eis/aqms/Queue	oracle.tp.adapter.jms.IJmsConnectionFactory
eis/aqms/Topic	oracle.tp.adapter.jms.IJmsConnectionFactory
eis/foranmq/Topic	oracle.tp.adapter.jms.IJmsConnectionFactory
eis/jbossmq/Queue	oracle.tp.adapter.jms.IJmsConnectionFactory
eis/jms/aiaB2BQueueCF	oracle.tp.adapter.jms.IJmsConnectionFactory
eis/jms/aiaErrorTopicCF	oracle.tp.adapter.jms.IJmsConnectionFactory
eis/pramatt/Queue	oracle.tp.adapter.jms.IJmsConnectionFactory
eis/Queue/Notif	oracle.tp.adapter.jms.IJmsConnectionFactory
eis/sunmq/Queue	oracle.tp.adapter.jms.IJmsConnectionFactory
eis/tbjms/Queue	oracle.tp.adapter.jms.IJmsConnectionFactory
eis/tbjms/Topic	oracle.tp.adapter.jms.IJmsConnectionFactory
eis/tbjmsDirect/Queue	oracle.tp.adapter.jms.IJmsConnectionFactory
eis/tbjmsDirect/Topic	oracle.tp.adapter.jms.IJmsConnectionFactory
eis/webspheremq/Queue	oracle.tp.adapter.jms.IJmsConnectionFactory
eis/wls/EDNLocalTxDurableTopic	oracle.tp.adapter.jms.IJmsConnectionFactory
eis/wls/EDNLocalTxTopic	oracle.tp.adapter.jms.IJmsConnectionFactory
eis/wls/EDNxaDurableTopic	oracle.tp.adapter.jms.IJmsConnectionFactory
eis/wls/EDNxaTopic	oracle.tp.adapter.jms.IJmsConnectionFactory
eis/wls/Queue	oracle.tp.adapter.jms.IJmsConnectionFactory
eis/wls/Topic	oracle.tp.adapter.jms.IJmsConnectionFactory

New Delete Showing 1 to 1 of 1 Previous | Next

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e Highlight All Match Case

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- Click on the Outbound connection pool with **eis/Queue/Notif** and enter the connection factory location as **jndi/FCUBSConnectionFactory**→press Enter and Save

soa-infra (SOA Infrastruct... x FC1211QAR2 (Oracle Web... x Settings for oracle.tip.ada... x dev_domain (Oracle Web... x Summary of JMS Servers ... x AlphaDomain (Oracle We... x +

10.184.135.218:7001/console/console.portal?_nfpb=true&_pageLabel=ConnectorOutboundConnectionConfigPropertiesPage&ConnectorOu Google

ORACLE WebLogic Server Administration Console 12c

Home Log Out Preferences Record Help Welcome, admin Connected to: AlphaDomain

Home > JmsAdapter > Summary of Deployments > JmsAdapter > Summary of Deployments > JmsAdapter > Summary of JMS Modules > FCUBSJMSModule > Summary of JMS Modules > Summary of Deployments > JmsAdapter

Settings for oracle.tip.adapter.jms.JmsConnectionFactory

General **Properties** Transaction Authentication Connection Pool Logging

This page allows you to view and modify the configuration properties of this outbound connection pool. Properties you modify here are saved to a deployment plan.

Outbound Connection Properties

Save Showing 1 to 7 of 7 Previous Next

Property Name	Property Type	Property Value	Supports Dynamic Updates
AcknowledgeMode	java.lang.String	AUTO_ACKNOWLEDGE	false
ConnectionFactoryLocation	java.lang.String	jndi/FCUBSConne	false
FactoryProperties	java.lang.String		false
IsTopic	java.lang.Boolean	false	false
IsTransacted	java.lang.Boolean	false	false
Password	java.lang.String		false
Username	java.lang.String		false

Save Showing 1 to 7 of 7 Previous Next

Change Center

View changes and restarts

Configuration editing is enabled. Future changes will automatically be activated as you modify, add or delete items in this domain.

Domain Structure

AlphaDomain

- Environment
 - Servers
 - Clusters
 - Coherence Clusters
 - Machines
 - Virtual Hosts
 - Work Managers
 - Startup and Shutdown Classes
 - Deployments
 - Services
 - Messaging
 - JMS Servers
 - Store-and-Forward Agents

How do I...

- Configure outbound connection pool properties

System Status

Health of Running Servers

- Failed (0)
- Critical (0)
- Overloaded (0)
- Warning (0)
- OK (2)

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The screenshot displays the Oracle WebLogic Server Administration Console 12c interface. The left sidebar shows the domain structure for 'AlphaDomain', including Environment, Servers, Clusters, Coherence Clusters, Machines, Virtual Hosts, Work Managers, Startup and Shutdown Classes, Deployments, Services, and Messaging. The main content area shows the 'Settings for oracle.tip.adapter.jms.DmsConnectionFactory' with tabs for General, Properties, Transaction, Authentication, Connection Pool, and Logging. The 'Properties' tab is active, displaying a table of Outbound Connection Properties. The table has columns for Property Name, Property Type, Property Value, and Supports Dynamic Updates. The properties listed are AcknowledgeMode, ConnectionFactoryLocation, FactoryProperties, IsTopic, IsTransacted, Password, and Username. The 'Save' button is visible at the bottom of the table. The bottom status bar indicates 'WebLogic Server Version: 12.1.3.0.0' and 'Copyright (c) 1996-2014, Oracle and/or its affiliates. All rights reserved.'

Oracle WebLogic Server Administration Console 12c

Home > JmsAdapter > Summary of Deployments > JmsAdapter > Summary of Deployments > JmsAdapter > Summary of JMS Modules > FCUBSJMModule > Summary of JMS Modules > Summary of Deployments > JmsAdapter

Messages

- ✓ All changes have been activated. No restarts are necessary.
- ✓ Deployment plan has been successfully updated.
- Remember to update your deployment to reflect the new plan when you are finished with your changes.

Settings for oracle.tip.adapter.jms.DmsConnectionFactory

General Properties Transaction Authentication Connection Pool Logging

This page allows you to view and modify the configuration properties of this outbound connection pool. Properties you modify here are saved to a deployment plan.

Outbound Connection Properties

Save Showing 1 to 7 of 7 Previous | Next

Property Name	Property Type	Property Value	Supports Dynamic Updates
AcknowledgeMode	java.lang.String	AUTO_ACKNOWLEDGE	false
ConnectionFactoryLocation	java.lang.String	jndi/FCUBSConnectionFactory	false
FactoryProperties	java.lang.String		false
IsTopic	java.lang.Boolean	false	false
IsTransacted	java.lang.Boolean	false	false
Password	java.lang.String		false
Username	java.lang.String		false

Save Showing 1 to 7 of 7 Previous | Next

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15. Go to console →Deployments→JMS adapter→Update→Next→ Next →finish

soa-infra (SOA Infrastruct... x FC1211QAR2 (Oracle Web... x Summary of Deployment... x dev_domain (Oracle Web... x Summary of JMS Servers... x AlphaDomain (Oracle We... x +

10.184.135.218:7001/console/console.portal?_nfpb=true&_pageLabel=AppDeploymentsControlPage

to install a new application or module for deployment to targets in this domain, click the install button.

Customize this table

Deployments

Install Update Delete Start Stop

Showing 1 to 46 of 46 Previous | Next

Name	State	Health	Type	Targets	Deployment Order
AqAdapter	Prepared	OK	Resource Adapter	SOAServer	324
b2bui	Prepared	OK	Enterprise Application	SOAServer	313
BamComposer	New		Enterprise Application	BAMServer	500
BamCQService	New		Enterprise Application	BAMServer	300
BamServer	New		Enterprise Application	BAMServer	400
BPMComposer	Active	OK	Enterprise Application	SOAServer	385
coherence-transaction-rar	Active	OK	Resource Adapter	AdminServer, BAMServer, SOAServer	100
CoherenceAdapter	Installed		Resource Adapter		331
DbAdapter	Active	OK	Resource Adapter	SOAServer	322
DefaultToDoTaskFlow	Active	OK	Enterprise Application	SOAServer	314
DMS Application (12.1.3.0.0)	Active	OK	Web Application	AdminServer, BAMServer, SOAServer	5
em	Active	OK	Enterprise Application	AdminServer	400
FCUBSAppInt (12.1.0.0.0)	Active	Warning	Enterprise Application	SOAServer	600
FileAdapter	Active	OK	Resource Adapter	SOAServer	321
frevvo	Active	OK	Enterprise Application	SOAServer	100
FtpAdapter	Active	OK	Resource Adapter	SOAServer	325
GWWebServices (12.1.0.0.0)	Active	OK	Enterprise Application	SOAServer	600
JDEWorldAdapter	Installed		Resource Adapter		333

How do I...
 • Install an enterprise application
 • Configure an enterprise application
 • Update (redeploy) an enterprise application
 • Start and stop a deployed enterprise application
 • Monitor the modules of an enterprise application
 • Deploy EJB modules
 • Install a Web application

System Status
 Health of Running Servers
 Failed (0)
 Critical (0)
 Overloaded (0)
 Warning (0)
 OK (2)

e Highlight All Match Case

12:19 PM 6/23/2015

soa-infra (SOA Infrastruct... x FC1211QAR2 (Oracle Web... x Update Application Assist... x dev_domain (Oracle Web... x Summary of JMS Servers ... x AlphaDomain (Oracle We... x +

10.184.135.218:7001/console/console.portal?AppApplicationUpdatePortletreturnTo=AppDeploymentsControlPage&AppDeploymentsContro

ORACLE WebLogic Server Administration Console 12c

Home Log Out Preferences Record Help Welcome, admin Connected to: AlphaDomain

Home > Summary of Deployments > JmsAdapter > Summary of Deployments > JmsAdapter > Summary of JMS Modules > FCUBSJMSModule > Summary of JMS Modules > Summary of Deployments > JmsAdapter > Summary of Deployments

Update Application Assistant

Back Next Finish Cancel

Locate new deployment files

You have elected to update the JmsAdapter application.

☐ Update this application in place with new deployment plan changes. (A deployment plan must be specified for this option)

Deployment plan path: /scratch/app/oracle/product/fmw12c3/soa/soa/connectors/Plan1.xml [Change Path](#)

☒ Redeploy this application using the following deployment files:

Source path: /scratch/app/oracle/product/fmw12c3/soa/soa/connectors/JmsAdapter.rar [Change Path](#)

Deployment plan path: /scratch/app/oracle/product/fmw12c3/soa/soa/connectors/Plan1.xml [Change Path](#)

Back Next Finish Cancel

Change Center

View changes and restarts

Configuration editing is enabled. Future changes will automatically be activated as you modify, add or delete items in this domain.

Domain Structure

AlphaDomain

- Environment
 - Servers
 - Clusters
 - Coherence Clusters
 - Machines
 - Virtual Hosts
 - Work Managers
 - Startup and Shutdown Classes
 - Deployments
 - Services
 - Messaging
 - JMS Servers
 - Store-and-Forward Agents

How do I...

- Start and stop a deployed enterprise application
- Configure an enterprise application
- Create a deployment plan
- Target an enterprise application to a server
- Test the modules in an enterprise application

System Status

Health of Running Servers

Failed (0)
Critical (0)
Overloaded (0)
Warning (0)
OK (2)

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Oracle WebLogic Server Administration Console 12c

Home > Summary of Deployments > JmsAdapter > Summary of Deployments > JmsAdapter > Summary of JMS Modules > FCUBSJMSModule > Summary of JMS Modules > Summary of Deployments

Messages

- ✓ All changes have been activated. No restarts are necessary.
- ✓ Selected Deployments were updated.

Summary of Deployments

Control | **Monitoring**

This page displays a list of Java EE applications and stand-alone application modules that have been installed to this domain. Installed applications and modules can be started, stopped, updated (redeployed), or deleted from the domain by first selecting the application name and using the controls on this page.

To install a new application or module for deployment to targets in this domain, click the Install button.

Customize this table

Deployments

Name	State	Health	Type	Targets	Deployment Order
AqAdapter	Prepared	✓ OK	Resource Adapter	SOAServer	324
b2bui	Prepared	✓ OK	Enterprise Application	SOAServer	313
BamComposer	New		Enterprise Application	BAMServer	500
BamCQService	New		Enterprise Application	BAMServer	300
BamServer	New		Enterprise Application	BAMServer	400
BPMComposer	Active	✓ OK	Enterprise Application	SOAServer	385
coherence-transaction-rar	Active	✓ OK	Resource Adapter	AdminServer, BAMServer, SOAServer	100
CoherenceAdapter	Installed		Resource Adapter		331
DbAdapter	Active	✓ OK	Resource Adapter	SOAServer	322
DefaultToDoTaskFlow	Active	✓ OK	Enterprise Application	SOAServer	314
DMS Application (12.1.3.0.0)	Active	✓ OK	Web Application	AdminServer, BAMServer, SOAServer	5

Showing 1 to 46 of 46 Previous | Next

16. Create the out bound connection pool with the **eis/wls/Queue** name in the Deployments using connection factory **jdbc/FCUBSConnectionFactory**.

1.2.7 Configuring FTP Adapter

1. Login to console→Deployments→ FTP Adapter→Configuration→Outbound Connection Pool→New

soa-infra (SOA Infras... x Login - Oracle Enter... x Settings for FtpAdap... x AmendRetailLoanCo... x Settings for javax.res... x AlphaDomain (OracL... x New Tab x +

10.184.135.218:7001/console/console.portal?_pageLabel=ConnectorApplicationConfigurationOutboundConnectionPoolPage&_nfpb=true&v Google

ORACLE WebLogic Server Administration Console 12c

Home Log Out Preferences Record Help Welcome, admin Connected to: AlphaDomain

Change Center
View changes and restarts
Configuration editing is enabled. Future changes will automatically be activated as you modify, add or delete items in this domain.

Domain Structure
AlphaDomain
Environment
Deployments
Services
Security Realms
Interoperability
Diagnostics

How do I...
Configure outbound connection pool properties

System Status
Health of Running Servers
Failed (0)
Critical (0)
Overloaded (0)
Warning (0)
OK (2)

Settings for FtpAdapter
Overview Deployment Plan Configuration Security Targets Control Testing Monitoring Notes

General Properties Outbound Connection Pools Admin Objects Workload Instrumentation

This page displays a table of Outbound Connection Pool groups and instances for this resource adapter. The top level entries in the table represent Outbound Connection Pool groups. Groups are listed by connection factory interface and the instances are listed by their JNDI names. Expand a group to obtain configuration information for a Connection Pool instance within an Outbound Connection Pool group. Click the name of a group or instance to configure it. Automatically generated Connection Pools are not displayed in the table below.

Outbound Connection Pool Configuration Table

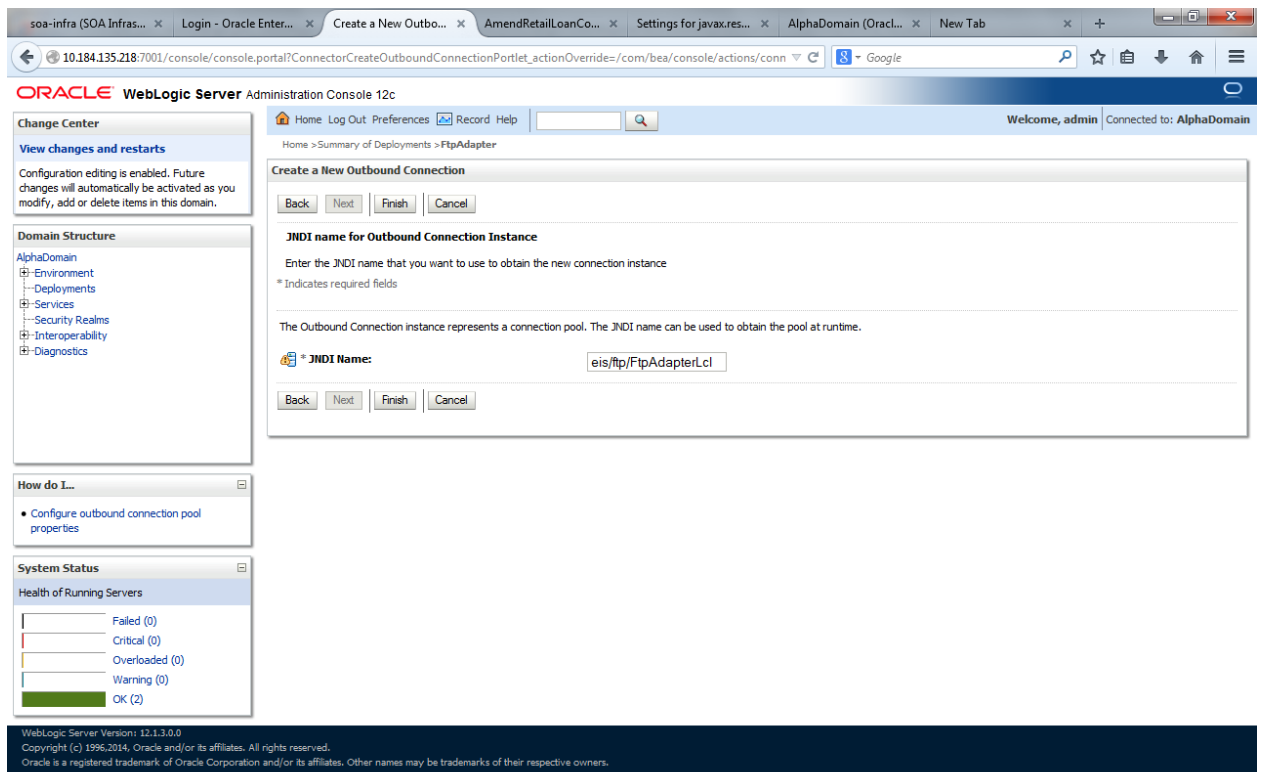
Groups and Instances	Connection Factory Interface
javafx.resource.cd.ConnectionFactory	javafx.resource.cd.ConnectionFactory
eis/ftp/CoherenceHAftpAdapter	javafx.resource.cd.ConnectionFactory
eis/ftp/FtpAdapter	javafx.resource.cd.ConnectionFactory
eis/ftp/FtpAdapterLd	javafx.resource.cd.ConnectionFactory
eis/ftp/FtpAdapter_VMS	javafx.resource.cd.ConnectionFactory
eis/ftp/FtpsAdapter	javafx.resource.cd.ConnectionFactory
eis/ftp/HAFtpAdapter	javafx.resource.cd.ConnectionFactory
eis/ftp/HAFtpAdapterDB2	javafx.resource.cd.ConnectionFactory
eis/ftp/HAFtpAdapterMSSQL	javafx.resource.cd.ConnectionFactory
eis/ftp/LocalTransactionFtpAdapter	javafx.resource.cd.ConnectionFactory

Showing 1 to 1 of 1 Previous | Next

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eis/wls/Queue Highlight All Match Case

3:33 PM 6/23/2015



2)Click finish and save.

1.2.8 BIP Interactive reports configuration

- 1) Login to the BIP domain console, <http://s:<hostname>:<port>/console>.
- 2) Follow the step 1.2.1 to add the “FCJCustomProvider”.

After adding, Navigate to security realms >myrealm > Users and Groups and check if the users from the schema are displayed in Users tab, and Roles from the schema are displayed under the Groups Tab.

ORACLE WebLogic Server® Administration Console

Home Log Out Preferences Record Help Welcome, weblogic Connected to: bifoundation_domain

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.
Some results are not displayed because there are too many matches. Please customize this table to specify more specific criteria.

[Customize this table](#)

Users Showing 1 to 10 of 1000 Previous Next

Name	Description	Provider
000ANT1	Default Admin User 1	FCJCustomProvider
11111RM_3	Siveta	FCJCustomProvider
11111RM_4	RM	FCJCustomProvider
112233	Default Admin User 10	FCJCustomProvider
121212	Default Admin User 10	FCJCustomProvider
123456	SANKER GS	FCJCustomProvider
141414	Default Admin User 10	FCJCustomProvider
15259A03	Kumar	FCJCustomProvider
1M20862	BALA	FCJCustomProvider
20862A1	Bala	FCJCustomProvider

New Delete Showing 1 to 10 of 1000 Previous Next

Domain Structure

bifoundation_domain

- Environment
- Deployments
- Services
- Security Realms**
- Interoperability
- Diagnostics

How do I...

- Manage users and groups
- Create users
- Modify users
- Delete users

System Status

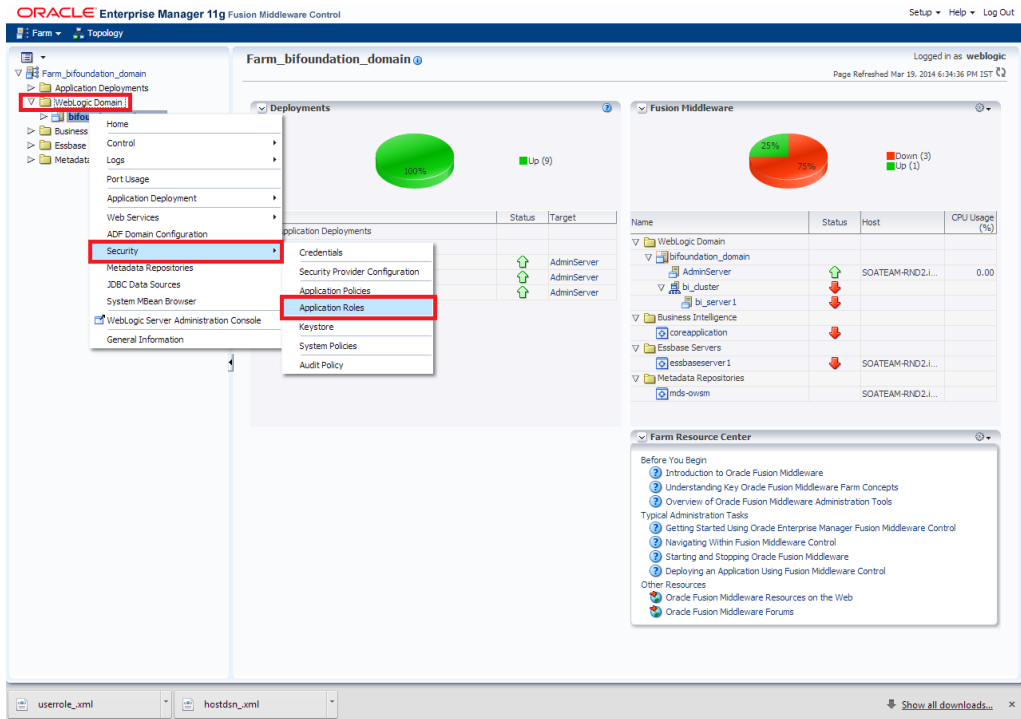
Health of Running Servers

- Failed (0)
- Critical (0)
- Overloaded (0)
- Warning (0)
- OK (2)

WebLogic Server Version: 10.3.6.0
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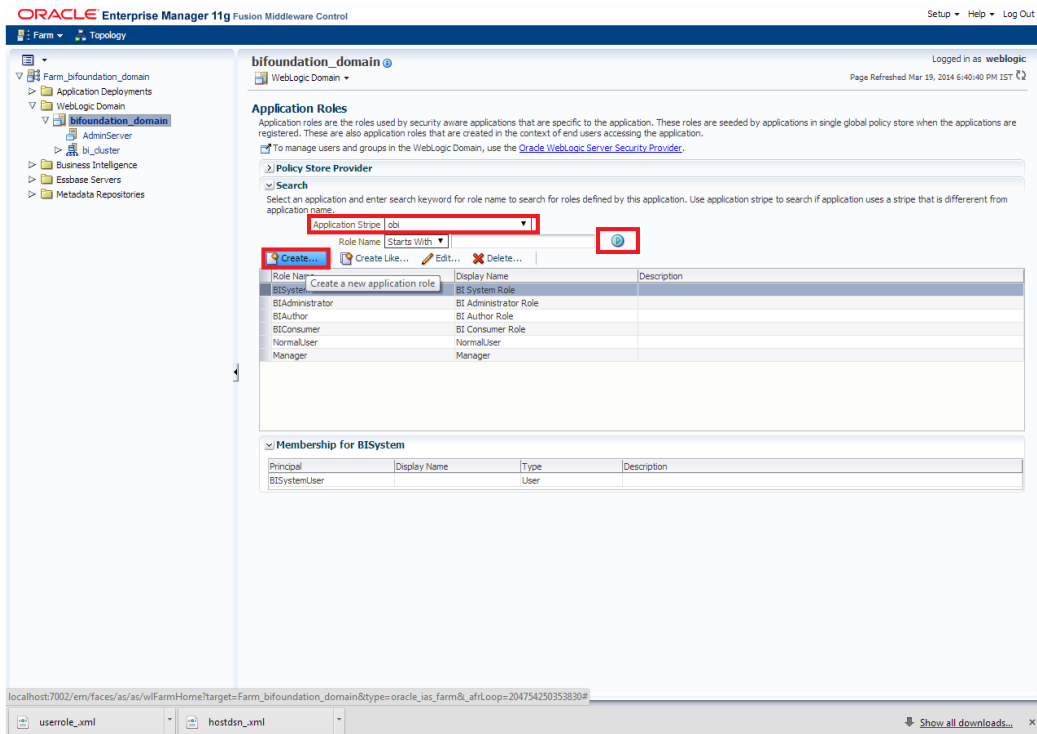
3) Login to the Enterprise Manager (em) <http://s:<hostname>:<port>/em>

- Right click on the domain(in which BI suite is installed) under the weblogic domain
- Go to security and then navigate to application roles



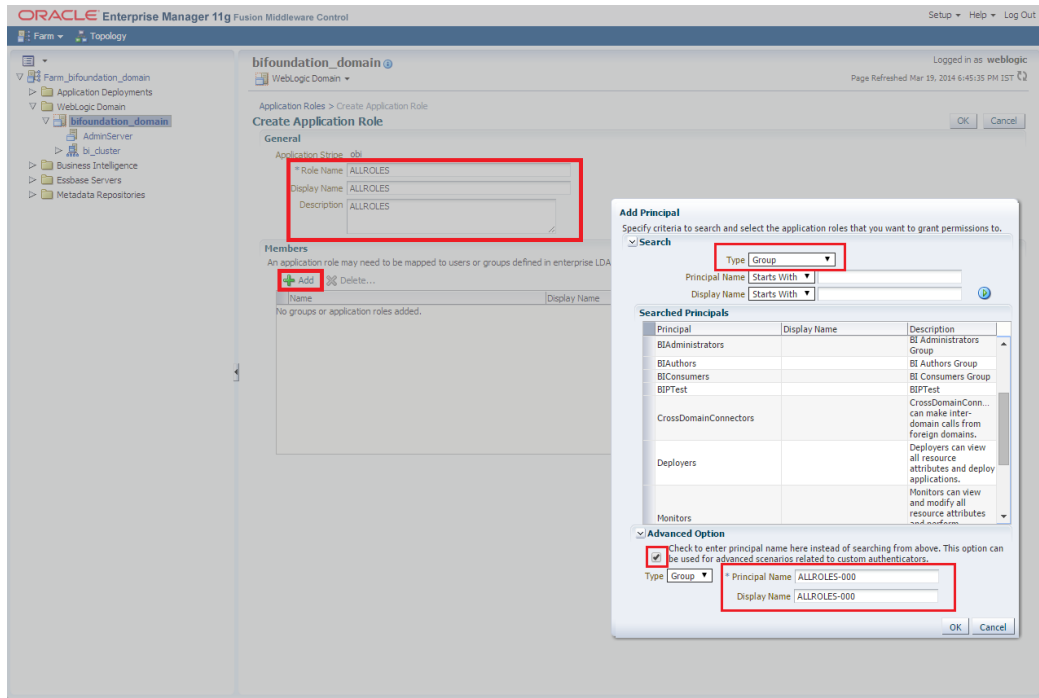
4) After navigating to next screen as in below screenshot,

- Select application stripe as obi
- Click on the search button
- Click on create button to add a role

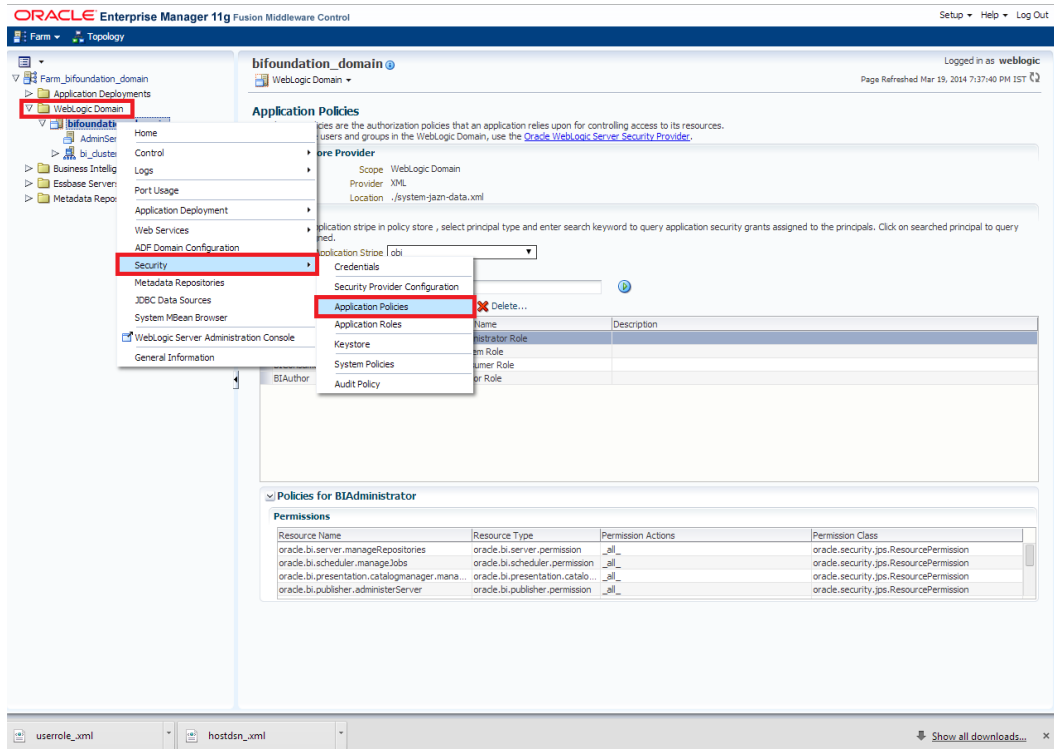


5) After navigating to next screen as in below screenshot,

- Enter the role name(mandatory), display name(optional), description(optional)
- Click on the Add button
- In the Add Principal pop up select type as “Group”
- In the advanced option check the checkbox and again select the type as “Group” below
 - Click on the Search button, if the roles are listed then select the roles like ALLROLES-000, ADMINROLE-000 from the list.
 - or
 - Enter the Principal Name (mandatory), which is actually the role present in the FCUBS (ex: ALLROLES-000, ADMINROLE-000), Display Name (optional).
- After completing click on OK button in pop up window and also in the screen.

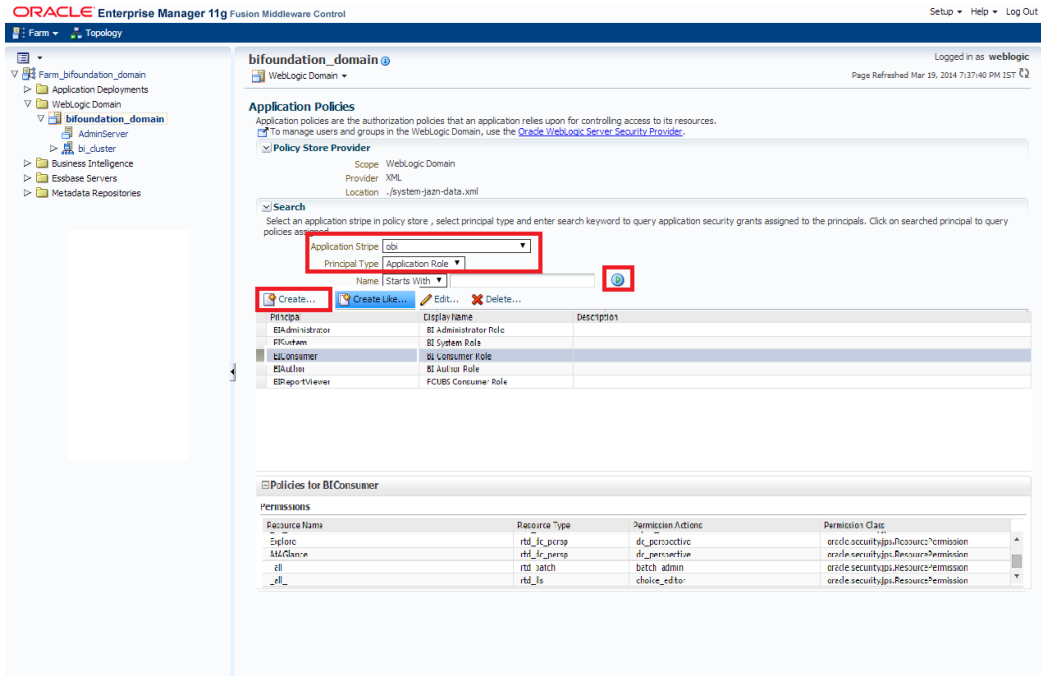


- 6) After getting information message like “A new role added successfully”, then again
- Right click on the domain(in which BI suite is installed) under the weblogic domain
 - Go to security and then navigate to application polices



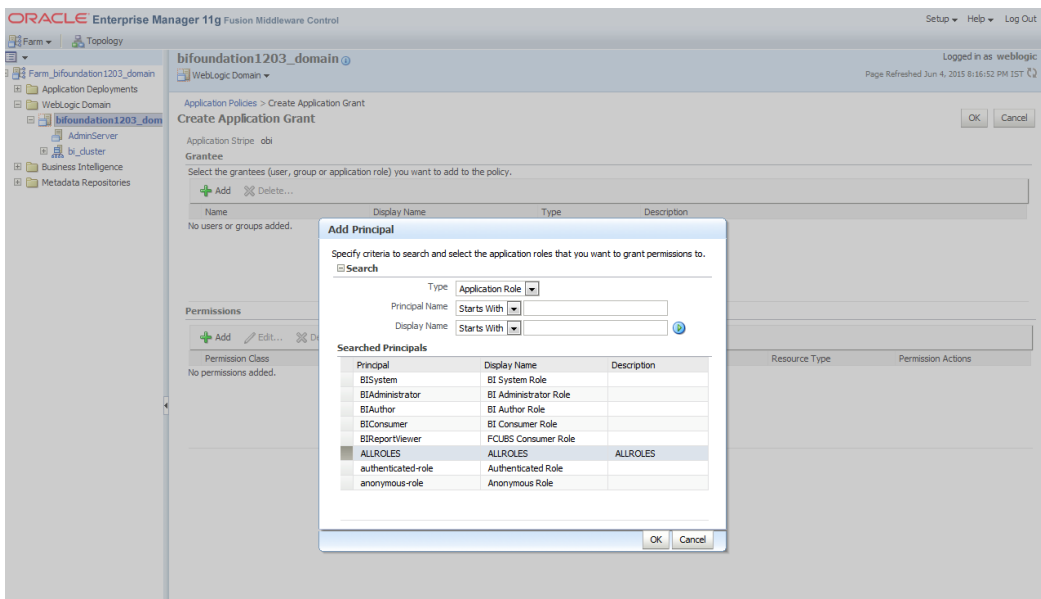
7) After navigating to next screen as per screen shot,

- Select the application stripe as obi, principal type as “Application Role”
- Click on the search button
- Select BIConsumer(it should be highlighted) from the list and click on the create like button.

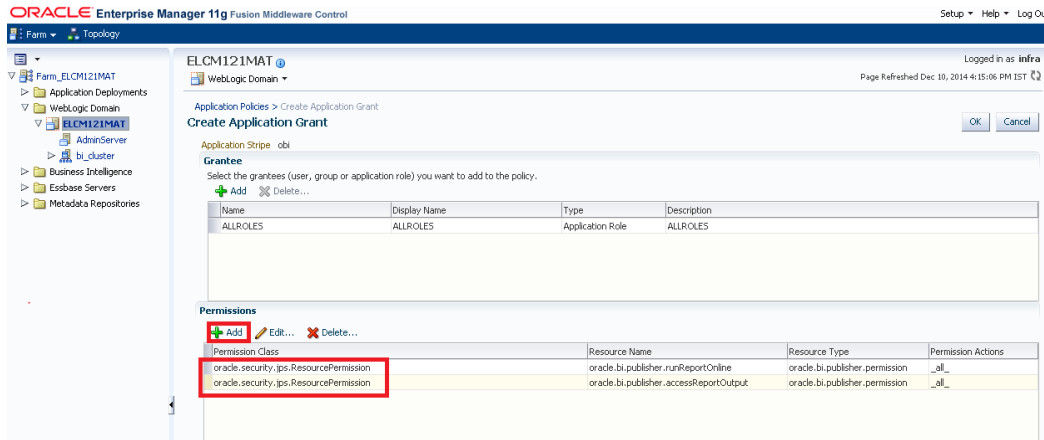


8) After navigating to next screen as per the screen shot,

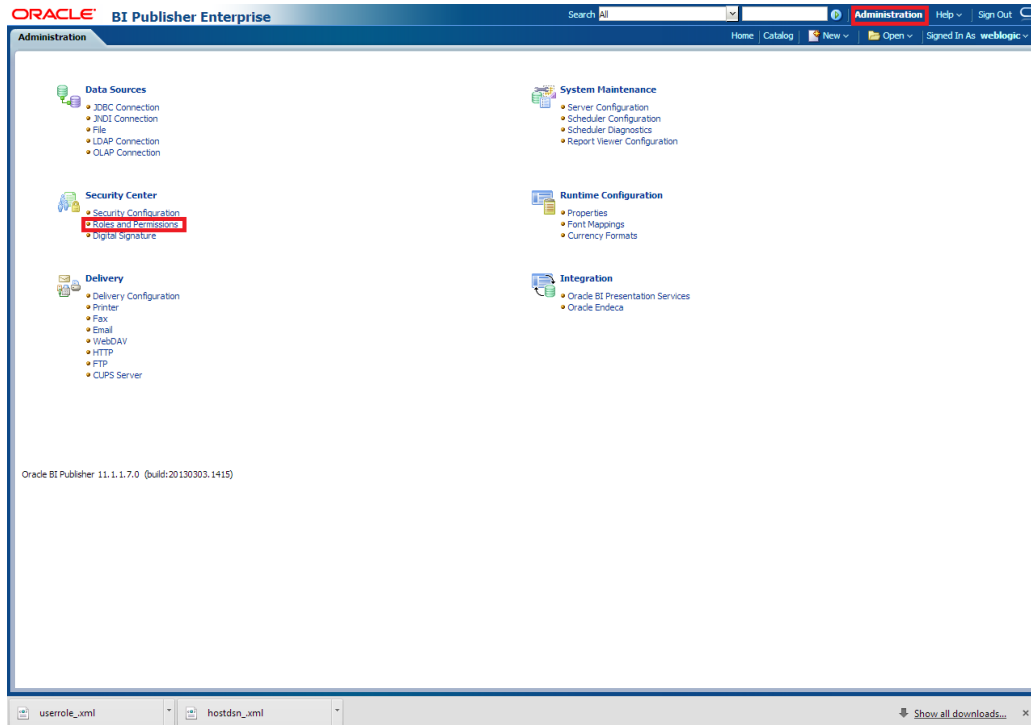
- Click on Add button , a new window “Add Principal” will be launched.
- Select Type as “Application Role” and click on the search button
- From the list select the role that has been created earlier in application role screen and click on OK button in pop up window and screen.



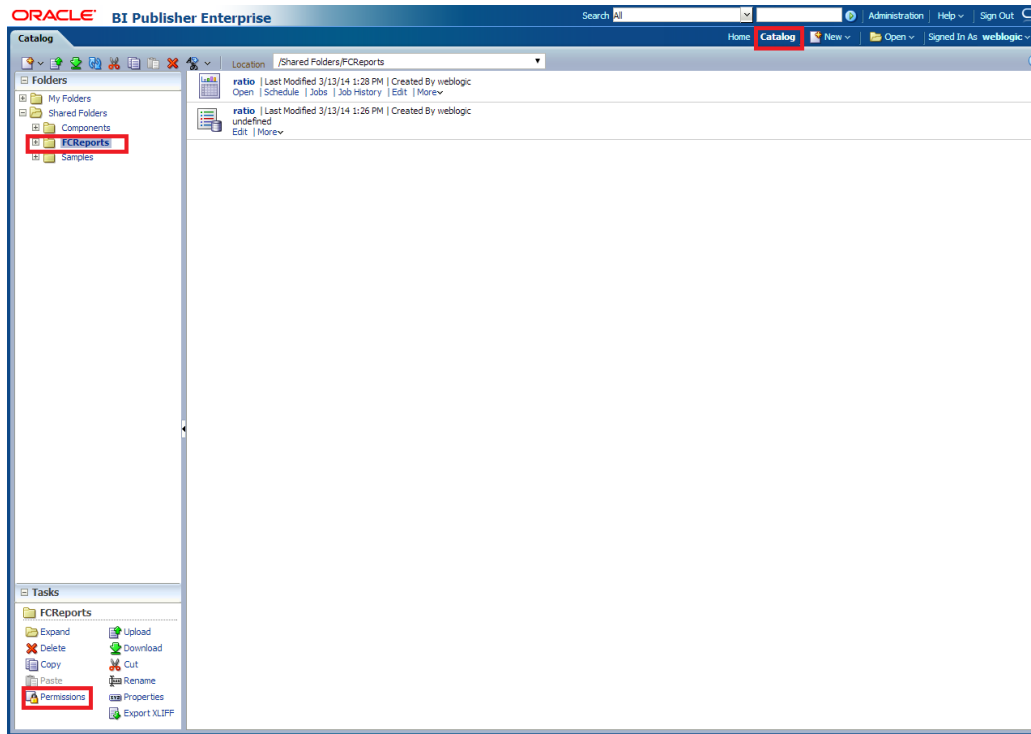
- Click Add button under Permissions and add the two permissions one by one as mentioned below.
 - oracle.bi.publisher.runReportOnline
 - oracle.bi.publisher.accessReportOutput



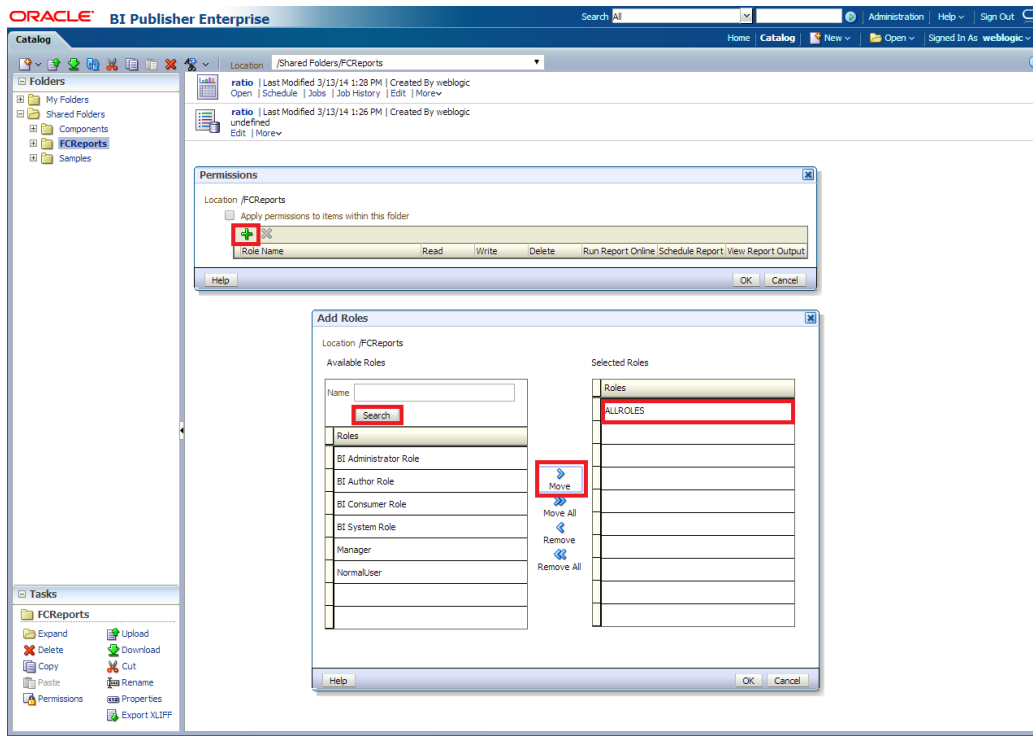
- 9) After getting information message like “A security added successfully”,
 - Login into the BIPublisher , <http://s:<hostname>:<port>/xmlpsserver>
 - Click on the Administration .
 - Click on the Roles and Permission under Security center and check if the added role(in em) is displayed, If not restart the servers.



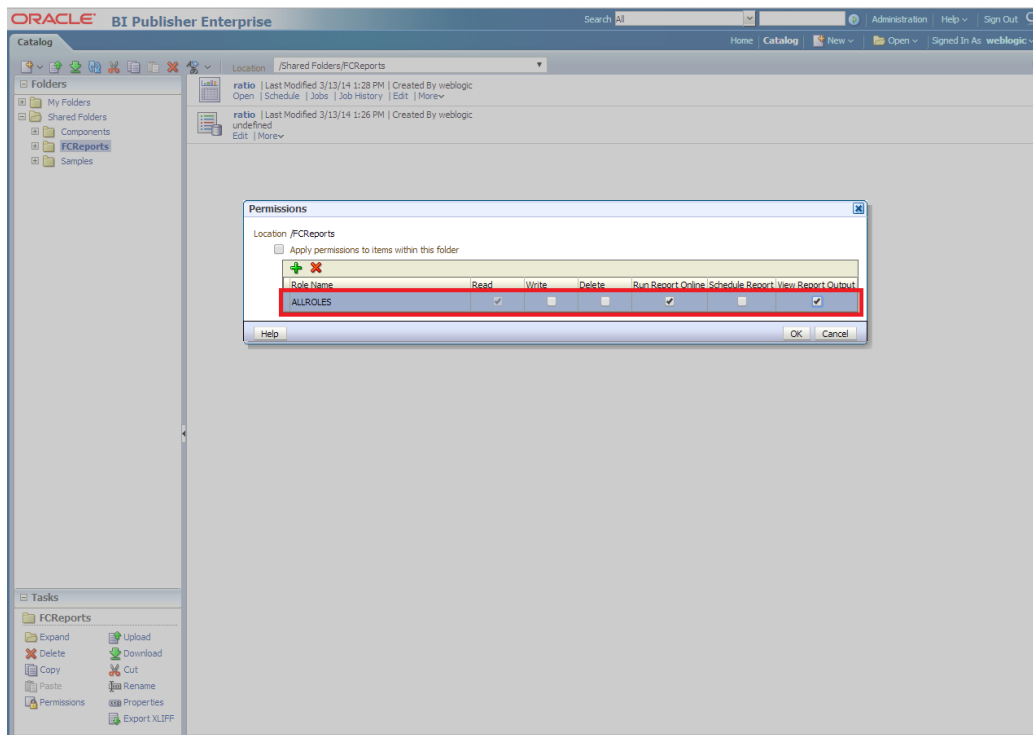
10) Then click on the Catalog , then on the folder that has been created , and then on permissions



11) After clicking on the permissions, a new window will pop up, delete all the roles if any present on click of permissions, then click on Add button, and then click on search button in “Add Roles” window that is launched newly and select the role that has been created and click on move button and click on OK.



- 12) Finally, the role will be added and select the options that has to be provided for the particular role and check if the permissions is only to items within the folder if necessary.



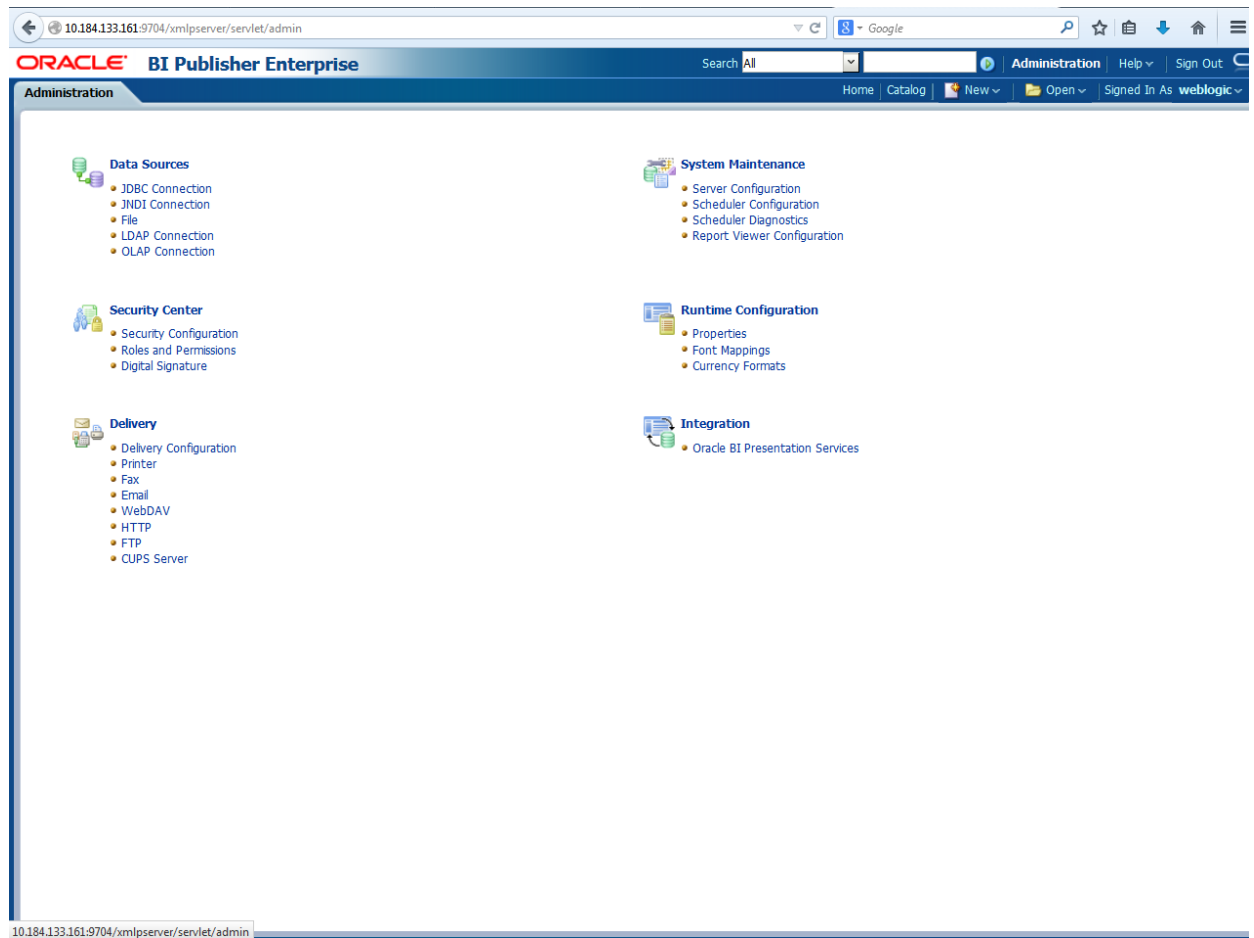
Now the reports in the folder will be accessed accordingly based on the roles.

Note:

In the similar way we can set the permissions at report level also for particular role.

13. Please login in to Bi Publisher <http://server:port/xmlpserver>.

14. Click on Administration→ JDBC connection→Add Data Source



ORACLE® BI Publisher Enterprise Search All Administration Help Sign Out

Administration Home Catalog New Open Signed In As **weblogic**

Data Sources

- JDBC Connection
- JNDI Connection
- File
- LDAP Connection
- OLAP Connection

System Maintenance

- Server Configuration
- Scheduler Configuration
- Scheduler Diagnostics
- Report Viewer Configuration

Security Center

- Security Configuration
- Roles and Permissions
- Digital Signature

Runtime Configuration

- Properties
- Font Mappings
- Currency Formats

Delivery

- Delivery Configuration
- Printer
- Fax
- Email
- WebDAV
- HTTP
- FTP
- CUPS Server

Integration

- Oracle BI Presentation Services

10.184.133.161:9704/xmlsover/serverlet/adm/datasource/connectionhome?tnoe=idbc& sTkn=6ec2d6c614e97518204

ORACLE® BI Publisher Enterprise Search All Administration Help Sign Out

Administration Home Catalog New Open Signed In As **weblogic**

Administration > JDBC

Data Sources

JDBC JNDI File LDAP OLAP

Add Data Source Previous 1-10 of 16 Next 5

Data Source Name	Connection String	Delete
dema	jdbc:oracle:thin:@10.184.149.52:1521:SOADB	
FC1202UBS	jdbc:oracle:thin:@10.184.132.144:1521:KD12NEW	
FC121DEV	jdbc:oracle:thin:@10.184.132.144:1521:KD12NEW	
FCBIP	jdbc:oracle:thin:@10.184.154.149:1521:ORFC12C	
FCOB121DEV	jdbc:oracle:thin:@10.184.154.149:1521:ORFC12C	
FCOB121UT	jdbc:oracle:thin:@10.184.154.149:1521:ORFC12C	
FCUBS1203	jdbc:oracle:thin:@10.184.132.137:1521:FCPATCH2	
FCUBS121	jdbc:oracle:thin:@whf00aew:1521:ORFC12C	
FCUBS12C	jdbc:oracle:thin:@10.184.132.172:1521:FCUBS12C	
fcubavf1202	jdbc:oracle:thin:@10.184.149.52:1521:SOADB	

Add Data Source Previous 1-10 of 16 Next 5

15. Please create the data source with data source name as **FCSOA** and use soa schema details to create the same.

The screenshot shows the 'Add Data Source' configuration page in the Oracle BI Publisher Enterprise Administration console. The page is divided into two main sections: 'General' and 'Backup Data Source'.

General Section:

- Data Source Name:** FCSOA
- Driver Type:** Oracle 11g
- Database Driver Class:** oracle.jdbc.OracleDriver
- Connection String:** jdbc:oracle:thin:@//ofss222783.in.oracle.com:1521/FCUBSDEV121
- Use System User:** ☐
- Username:** DEV12C_SOAINFRA
- Password:** [masked]
- Pre Process Function:** [empty]
- Post Process Function:** [empty]
- Use Proxy Authentication:** ☐
- Test Connection:** [button]

Backup Data Source Section:

- Use Backup Data Source:** ☐
- Connection String:** [empty]
- Username:** [empty]
- Password:** [empty]
- Test Connection:** [button]

16. Add the fcubs roles to allowed Roles under security

The screenshot shows the 'Security' configuration page in the Oracle BI Publisher Enterprise Administration console. The page is divided into three main sections: 'General', 'Backup Data Source', and 'Security'.

General Section:

- Use System User:** ☐
- Username:** DEV12C_SOAINFRA
- Password:** [masked]
- Pre Process Function:** [empty]
- Post Process Function:** [empty]
- Use Proxy Authentication:** ☐
- Test Connection:** [button]

Backup Data Source Section:

- Use Backup Data Source:** ☐
- Connection String:** [empty]
- Username:** [empty]
- Password:** [empty]
- Test Connection:** [button]

Security Section:

- Allow Guest Access:** ☐
- Available Roles:** BI Administrator Role, BI Author Role, BI Consumer Role, BI System Role, FCUBS Consumer Role
- Allowed Roles:** ALLROLES
- Move:** [button]
- Move All:** [button]
- Remove:** [button]
- Remove All:** [button]

17. Click on test connection .once the connection is established succesfully .Click on Apply.

18. Please follow the steps 15 to 17 to create data source for FCUBS Schema and give the name as FCBIPBPEL

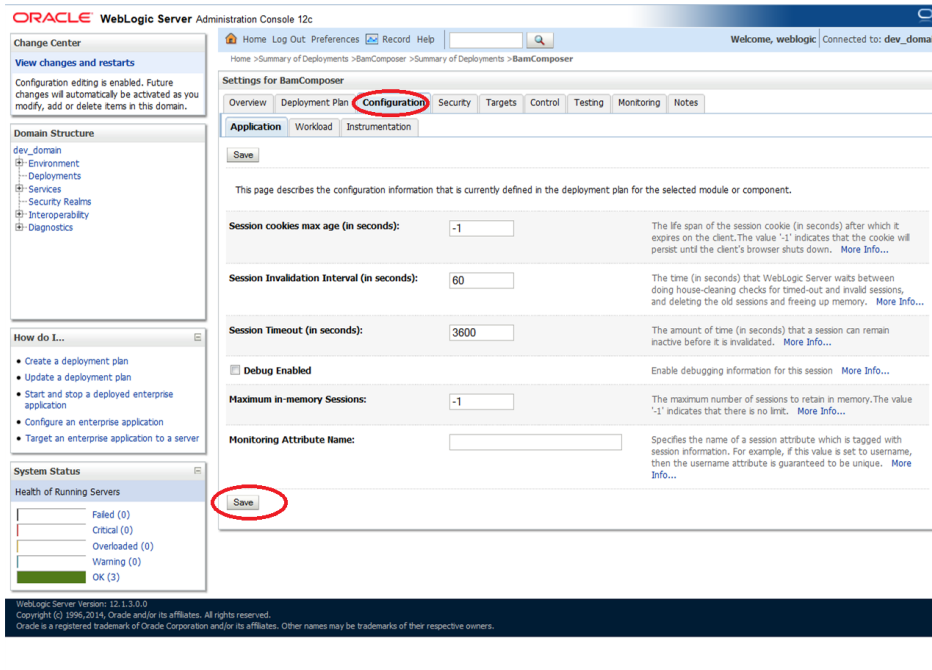
1.2.9 BAM Report Configuration settings

1. Generate a deployment plan for BAM Composer Application.
2. Login in to console <http://hostname:port/console>
3. Click on Deployments→click on BAM Composer

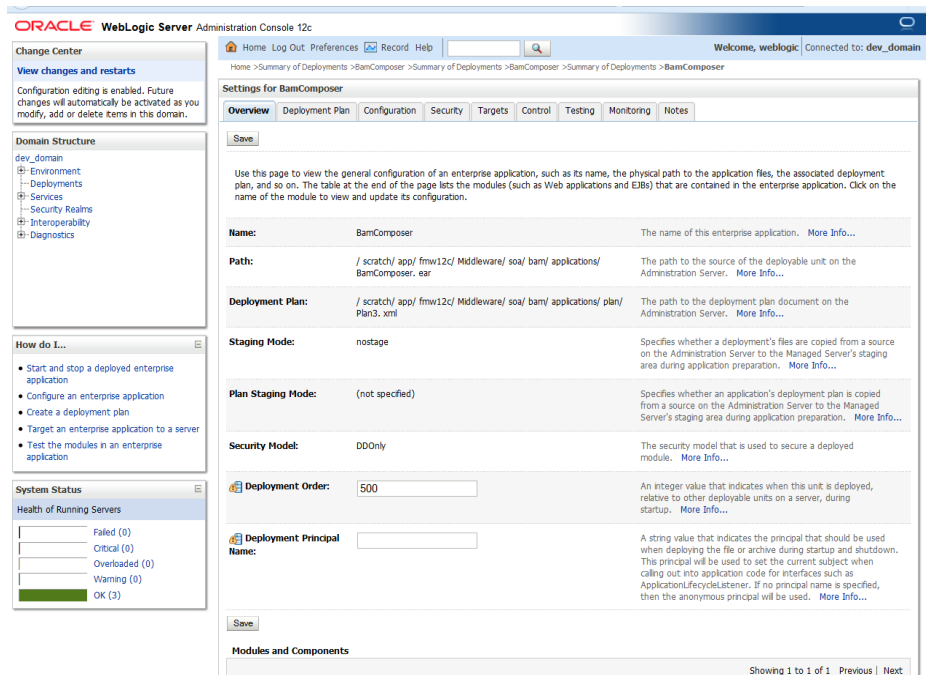
The screenshot shows the Oracle WebLogic Server Administration Console. The main area displays the 'Summary of Deployments' page. On the left, the 'Domain Structure' tree is visible, with 'Deployments' selected. The 'Deployments' table lists the following applications:

Name	State	Health	Type	Targets	Deployment Order
AqAdapter	Active	OK	Resource Adapter	soa_server1	324
b2bui	Active	OK	Enterprise Application	soa_server1	313
BamComposer	Active	OK	Enterprise Application	bam_server1	500
BamCQService	Active	OK	Enterprise Application	bam_server1	300
BamServer	Active	OK	Enterprise Application	bam_server1	400
BPMComposer	Active	OK	Enterprise Application	soa_server1	385
coherence-transaction-rar	Active	OK	Resource Adapter	AdminServer, bam_server1, soa_server1	100
CoherenceAdapter	Installed		Resource Adapter		331
DbAdapter	Active	OK	Resource Adapter	soa_server1	322
DefaultToDoTaskFlow	Active	OK	Enterprise Application	soa_server1	314
DMS Application (12.1.3.0.0)	Active	OK	Web Application	AdminServer, bam_server1, soa_server1	5

4. click on Configuration Configuration →Save



5. Click on Overview→check the deployment plan location



6. Add variable and variable assignment as below to the Plan.xml in `<module-name>BamComposerWeb.war</module-name>` and for reference please find plan.xml file.

```
<variable>
  <name>oracle.adf.view.rich.security.FRAME_BUSTING</name>
```

```
<value>never</value>
</variable>
<module-descriptor external="true">
  <root-element>web-app</root-element>
  <uri>WEB-INF/web.xml</uri>
  <variable-assignment>
    <name>oracle.adf.view.rich.security.FRAME_BUSTING</name>
    <xpath>/web-app/context-param/[param-
name="oracle.adf.view.rich.security.FRAME_BUSTING"]/param-value</xpath>
    <origin>planbased</origin>
  </variable-assignment> </module-descriptor>
```



Plan3.xml

7. Stop the BAM composer application in console.

Customize this table

Deployments

Install Update Delete Start Stop

Showing 1 to 47 of 47 Previous Next

Name	State	Health	Type	Targets	Deployment Order
AqAdapter	Active	OK	Resource Adapter	soa_server1	324
h2bui	Active	OK	Enterprise Application	soa_server1	313
BAMComposer	Active	OK	Enterprise Application	bam_server1	500
BamCQService	Active	OK	Enterprise Application	bam_server1	300
BamServer	Active	OK	Enterprise Application	bam_server1	400
BPMComposer	Active	OK	Enterprise Application	soa_server1	385
coherence-transaction-rar	Active	OK	Resource Adapter	AdminServer, bam_server1, soa_server1	100
CoherenceAdapter	Installed		Resource Adapter		331
DbAdapter	Active	OK	Resource Adapter	soa_server1	322
DefaultToDoTaskFlow	Active	OK	Enterprise Application	soa_server1	314
DMS Application (12.1.3.0.0)	Active	OK	Web Application	AdminServer, bam_server1, soa_server1	5
em	Active	OK	Enterprise Application	AdminServer	400
FCUBSAppJIT (12.1.0.0.0)	Active	Warning	Enterprise Application	soa_server1	600
FCUBSAppSoaEmb (12.1.0.0.0)	Prepared	OK	Enterprise Application	soa_server1	601
FileAdapter	Active	OK	Resource Adapter	soa_server1	321
frevo	Installed		Enterprise Application		100
PinAdapter	Active	OK	Resource Adapter	soa_server1	325

When work completes
Force Stop Now
Stop, but continue servicing administration requests

8. Update the deployment plan.

9. Click on deployments → click on BAM Composer checkbox → Click on update

ORACLE WebLogic Server Administration Console 12c

Home Log Out Preferences Record Help

Welcome, weblogic Connected to: dev_domain

Summary of Deployments

Control Monitoring

This page displays a list of Java EE applications and stand-alone application modules that have been installed to this domain. Installed applications and modules can be started, stopped, updated (redeployed), or deleted from the domain by first selecting the application name and using the controls on this page.

To install a new application or module for deployment to targets in this domain, click the Install button.

Customize this table

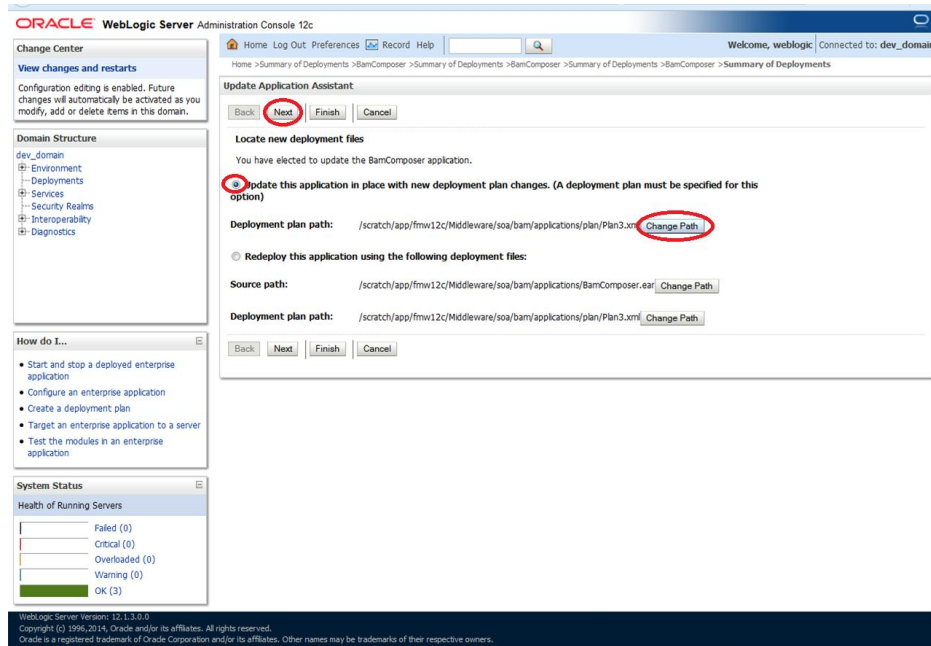
Deployments

Install Update Delete Start Stop

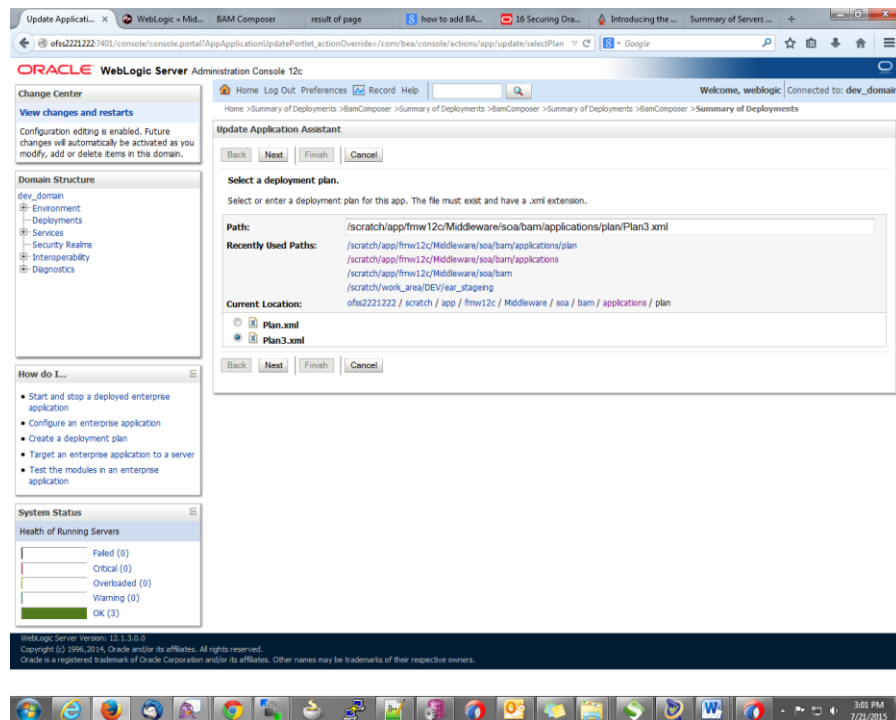
Showing 1 to 47 of 47 Previous Next

Name	State	Health	Type	Targets	Deployment Order
AqAdapter	Active	OK	Resource Adapter	soa_server1	324
h2bui	Active	OK	Enterprise Application	soa_server1	313
BAMComposer	Active	OK	Enterprise Application	bam_server1	500
BamCQService	Active	OK	Enterprise Application	bam_server1	300
BamServer	Active	OK	Enterprise Application	bam_server1	400
BPMComposer	Active	OK	Enterprise Application	soa_server1	385
coherence-transaction-rar	Active	OK	Resource Adapter	AdminServer, bam_server1, soa_server1	100
CoherenceAdapter	Installed		Resource Adapter		331
DbAdapter	Active	OK	Resource Adapter	soa_server1	322
DefaultToDoTaskFlow	Active	OK	Enterprise Application	soa_server1	314
DMS Application (12.1.3.0.0)	Active	OK	Web Application	AdminServer, bam_server1, soa_server1	5

10. select the Update this application in place with new deployment plan changes and click on change path button.



11. Select the latest plan.xml in the in the path→next→next→Finish



ORACLE WebLogic Server Administration Console 12c

Welcome, weblogic Connected to: dev_domain

Home Log Out Preferences Record Help

Summary of Deployments > BamComposer > Summary of Deployments > Summary of Deployments > Summary of Deployments

Messages

- ✓ All changes have been activated. No restarts are necessary.
- ✓ Selected Deployments were updated.

Summary of Deployments

Control Monitoring

This page displays a list of Java EE applications and stand-alone application modules that have been installed to this domain. Installed applications and modules can be started, stopped, updated (redployed), or deleted from the domain by first selecting the application name and using the controls on this page.

To install a new application or module for deployment to targets in this domain, click the Install button.

Customize this table

Deployments

Install Update Delete Start v Stop v Showing 1 to 47 of 47 Previous Next

Name	State	Health	Type	Targets	Deployment Order
AqAdapter	Active	OK	Resource Adapter	soa_server1	324
ib2bui	Active	OK	Enterprise Application	soa_server1	313
BamComposer	Prepared	OK	Enterprise Application	bam_server1	500
BamCQService	Active	OK	Enterprise Application	bam_server1	300
BamServer	Active	OK	Enterprise Application	bam_server1	400
BPMComposer	Active	OK	Enterprise Application	soa_server1	385
coherence-transaction-rar	Active	OK	Resource Adapter	AdminServer, bam_server1, soa_server1	100
CoherenceAdapter	Installed		Resource Adapter		331
DbAdapter	Active	OK	Resource Adapter	soa_server1	322
DefaultToDoTaskFlow	Active	OK	Enterprise	soa_server1	314

12. Restart the BAM Composer application in the console

ORACLE WebLogic Server Administration Console 12c

Welcome, admin Connected to: AlphaDomain

Home Log Out Preferences Record Help

Summary of Deployments > BamComposer > Summary of Deployments > Summary of Servers > Summary of Servers > Summary of Servers

Messages

- ✓ Selected Deployments have been requested to stop.

Summary of Deployments

Control Monitoring

This page displays a list of Java EE applications and stand-alone application modules that have been installed to this domain. Installed applications and modules can be started, stopped, updated (redployed), or deleted from the domain by first selecting the application name and using the controls on this page.

To install a new application or module for deployment to targets in this domain, click the Install button.

Customize this table

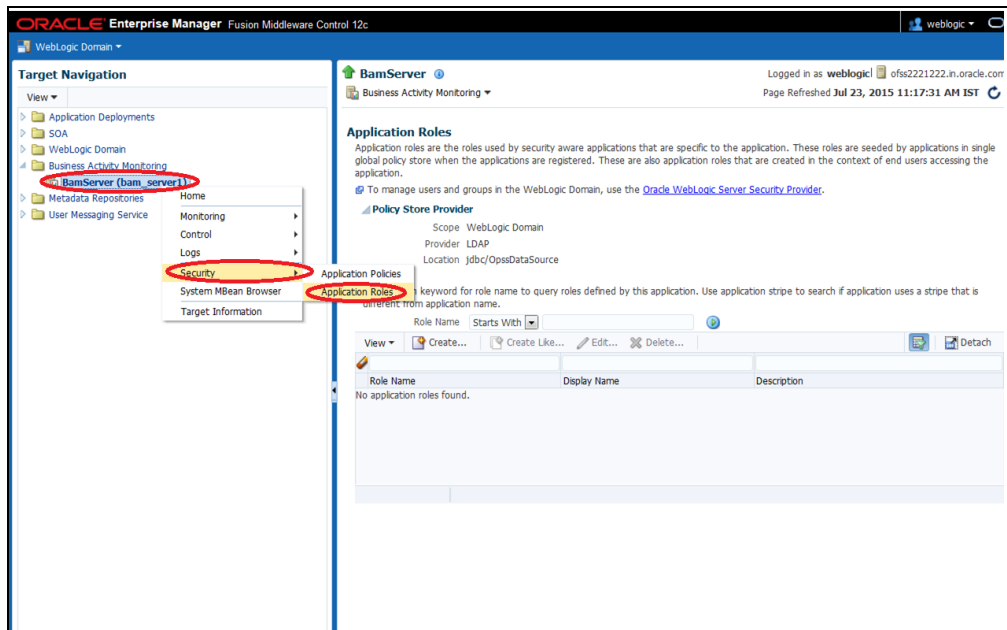
Deployments

Install Update Delete Start v Stop v Showing 1 to 48 of 48 Previous Next

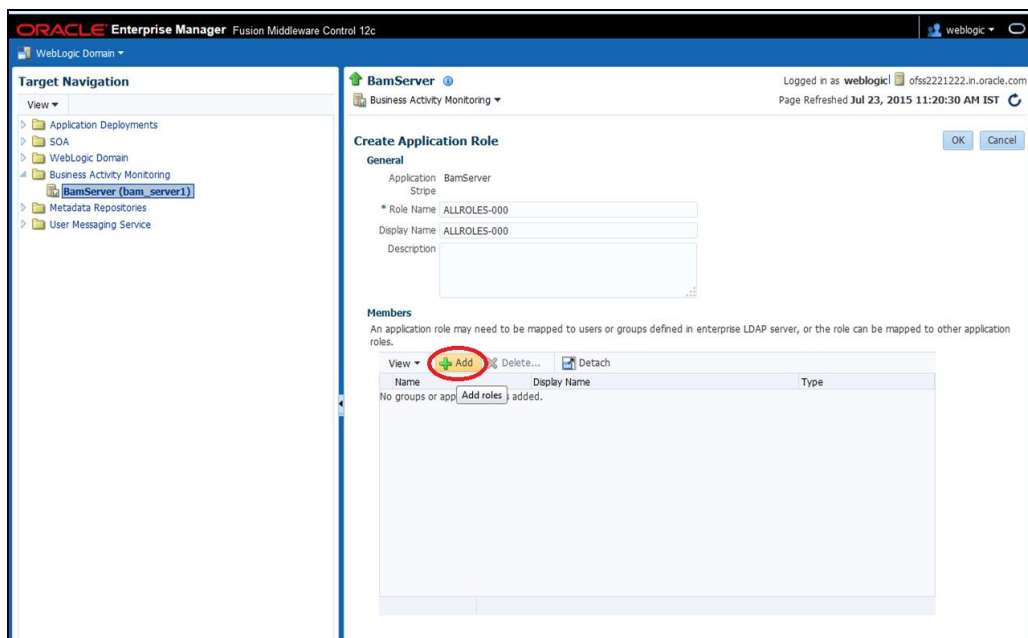
Name	State	Health	Type	Targets	Deployment Order
AqAdapter	Prepared	OK	Resource Adapter	SOAServer	324
ib2bui	Prepared	OK	Enterprise Application	SOAServer	313
BamComposer	Prepared	OK	Enterprise Application	BAMServer	500
BamCQService	Active	OK	Enterprise Application	BAMServer	300
BamServer	Active	OK	Enterprise Application	BAMServer	400
BPMComposer	Active	OK	Enterprise Application	SOAServer	385
coherence-transaction-rar	Active	OK	Resource Adapter	AdminServer, BAMServer, SOAServer	100
CoherenceAdapter	Installed		Resource Adapter		331
DbAdapter	Active	OK	Resource Adapter	SOAServer	322
DefaultToDoTaskFlow	Active	OK	Enterprise Application	SOAServer	314
DMS Application (12.1.3.0.0)	Active	OK	Web Application	AdminServer, BAMServer, SOAServer	5
EMCLI (Mantle) IT (12.1.0.0.0)	Active		Enterprise	SOAServer	600

13. Login in to em console http://hostname:port/em

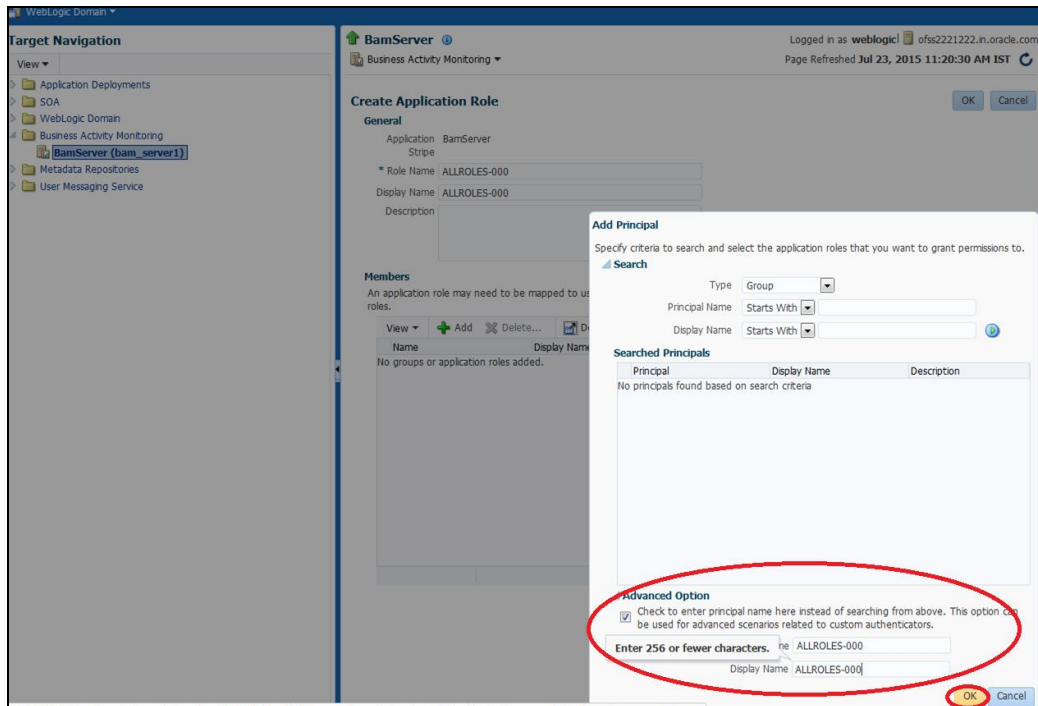
14. Right Click on BAM Server→Security→Application Roles



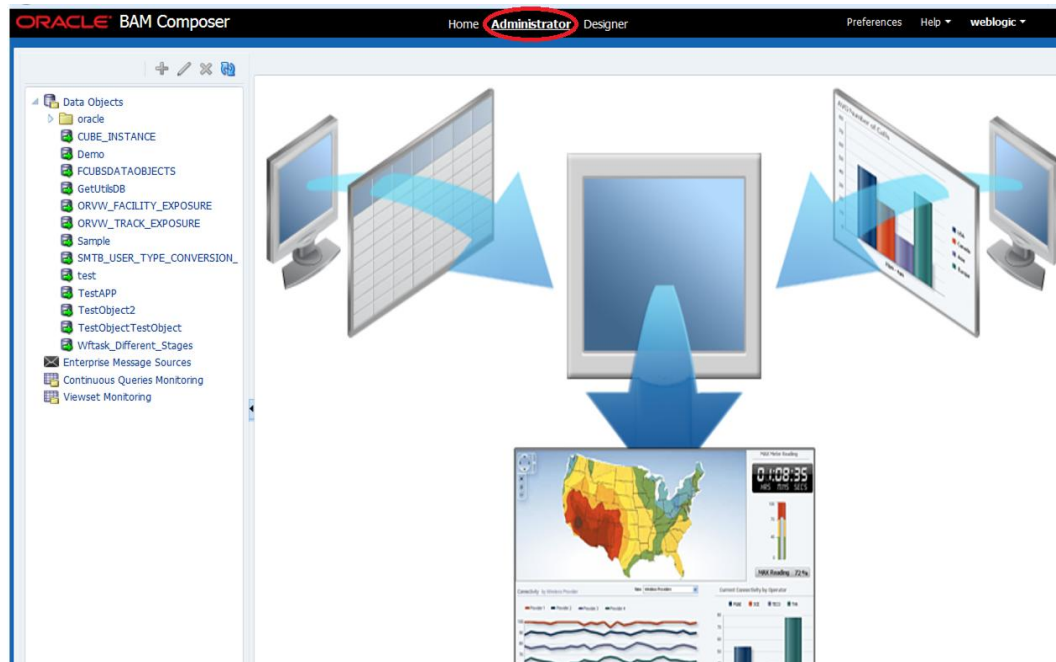
15. Click on Create → create application role with ALL ROLES-000→Click on ADD button in the Members



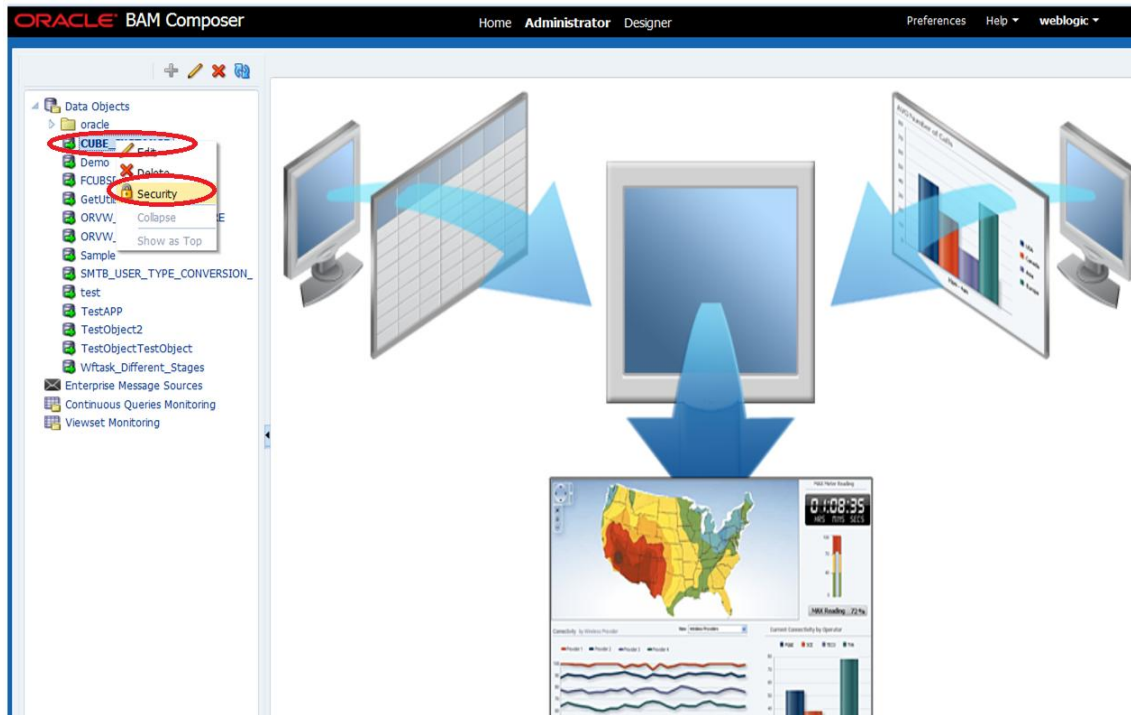
16. Select the Type as Group and add principle details be referring the below screen shot.



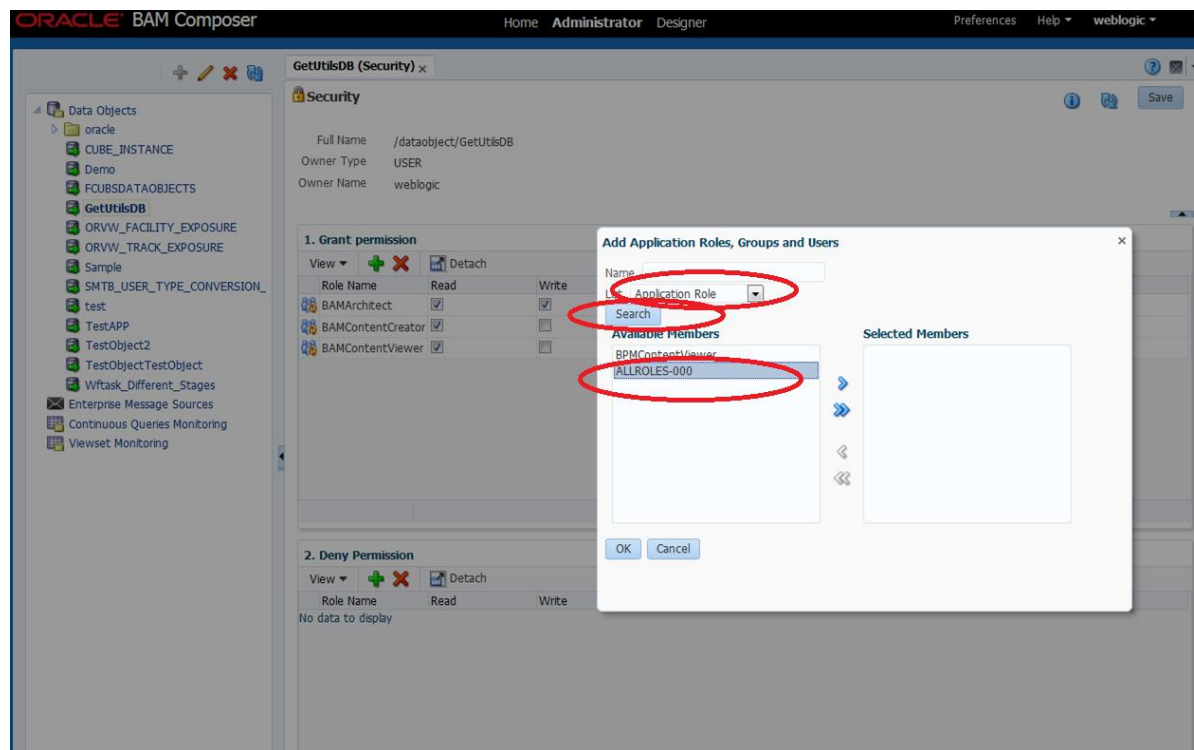
17. Login to BAM Composer → <http://hostname:port/bam/composer> → Click on Administrator.



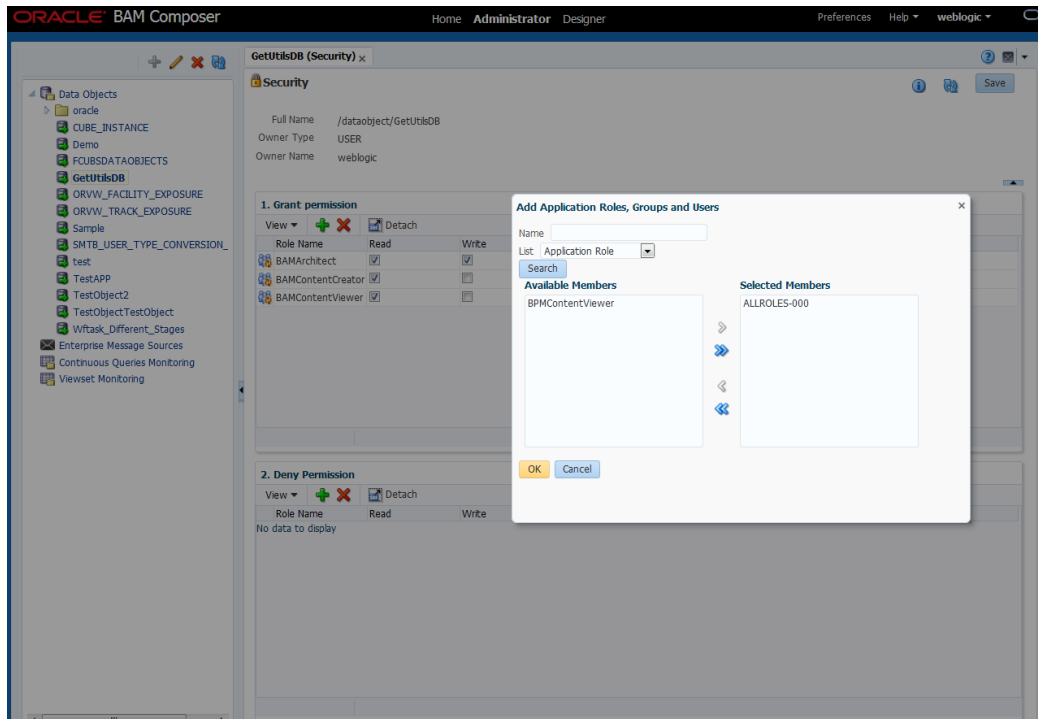
18. Go to Data Object→Right Click on CUBE_INSTANCE→Security



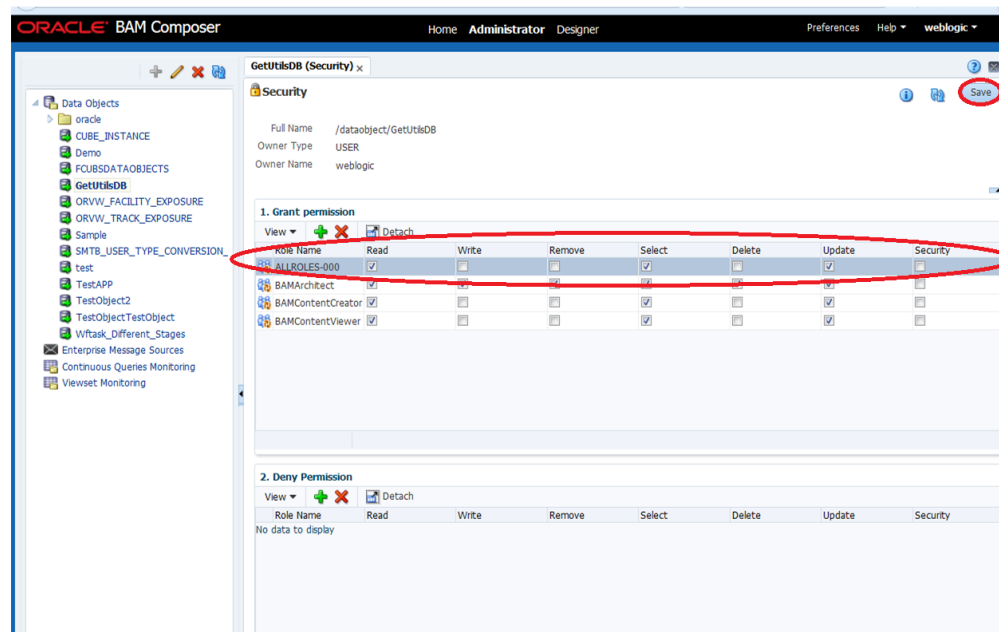
19. Click on Add button under Grant permission and search the list based on the Application Role



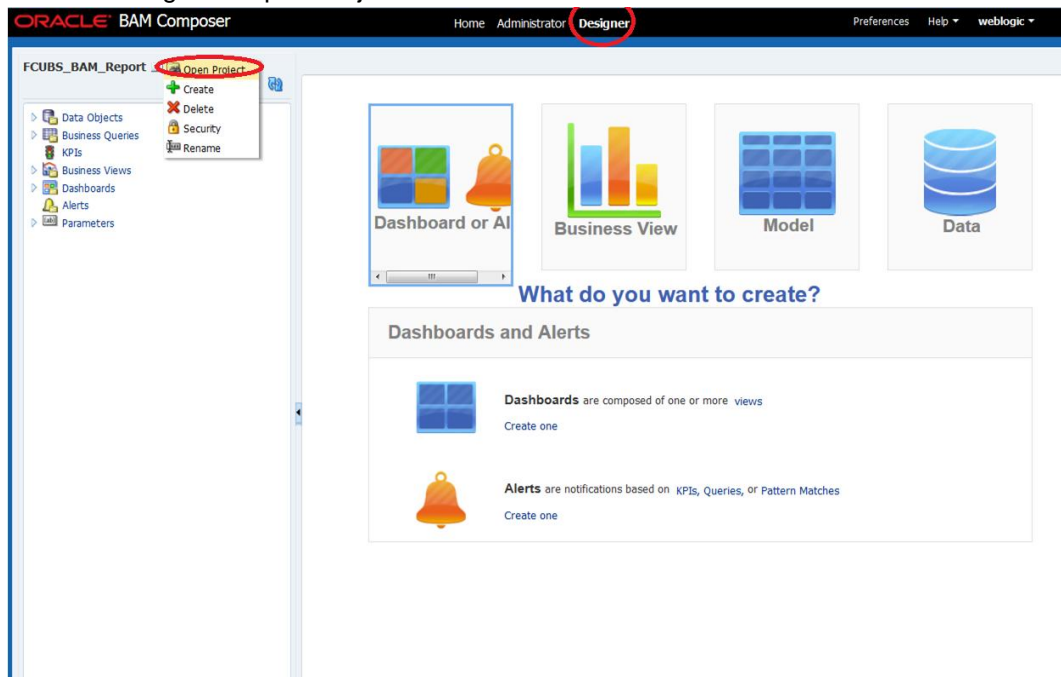
20. Move the ALLROLES-000 to Selected members.



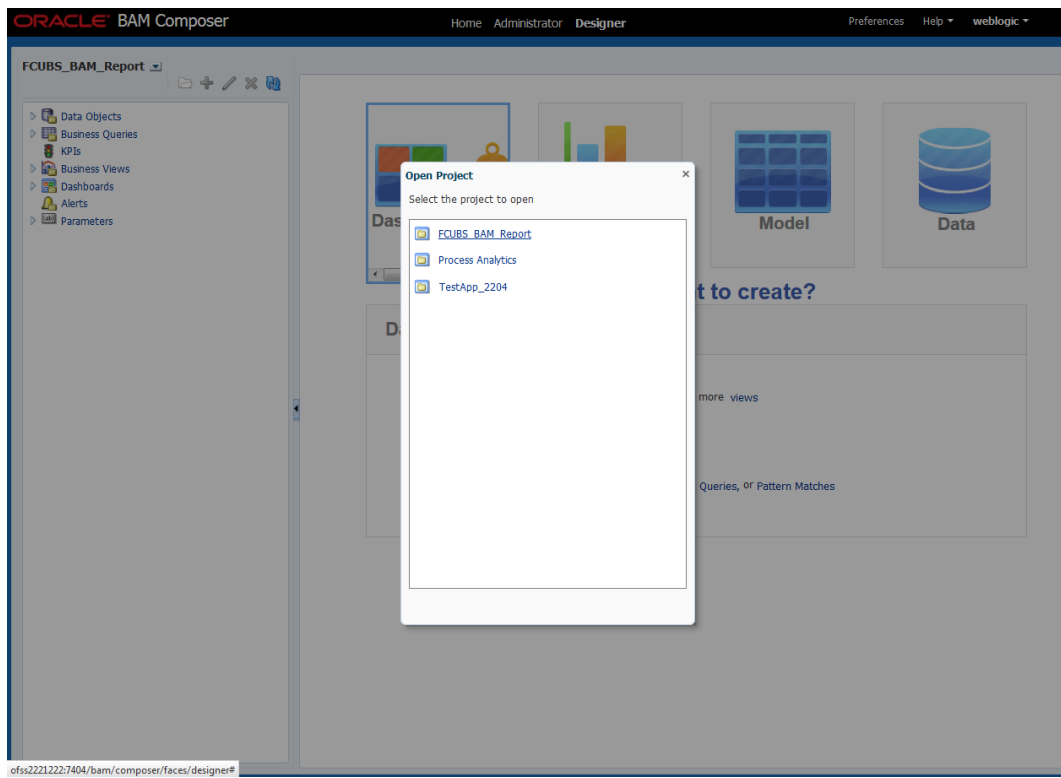
21. Click on read ,select and Update check boxes →Click on Save.



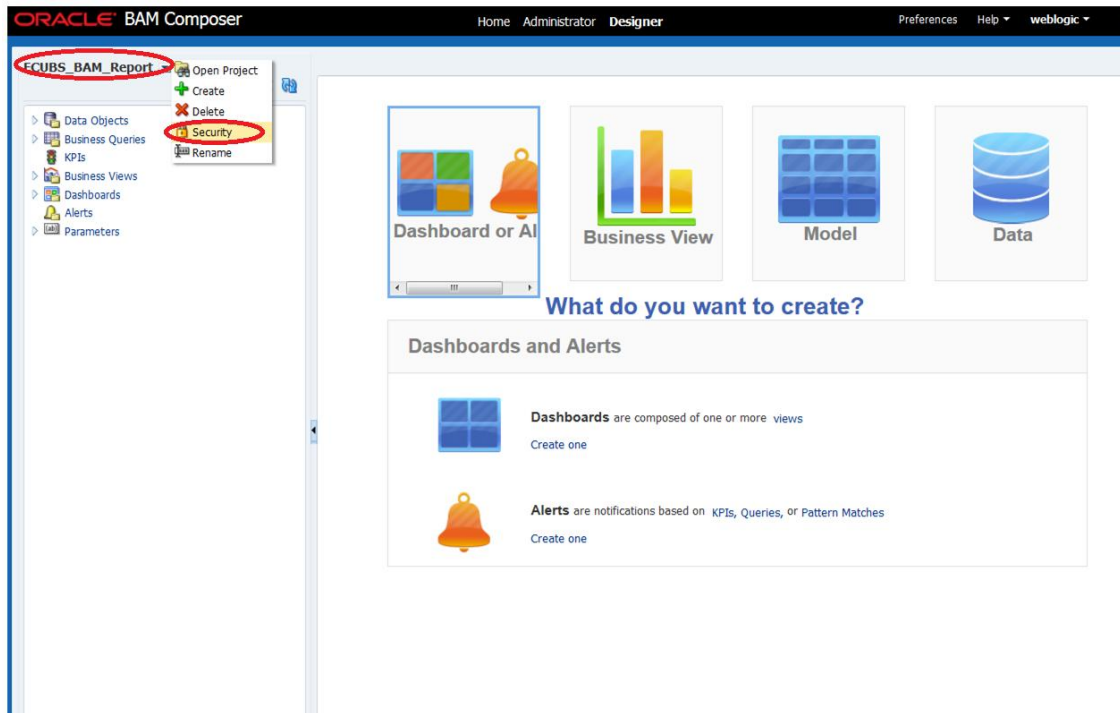
22. Follow the step 17 to 21 for other Data objects also.(cube_instance,wftask_different_stages, ORVW_TRACK_EXPOSURE, ORVW_FACILITY_EXPOSURE, GetUtilsDB, SMTB_USER_TYPE_CONVERSION_VIEW, FCUBSDATAOBJECTS).
23. Click on Designer →open Project



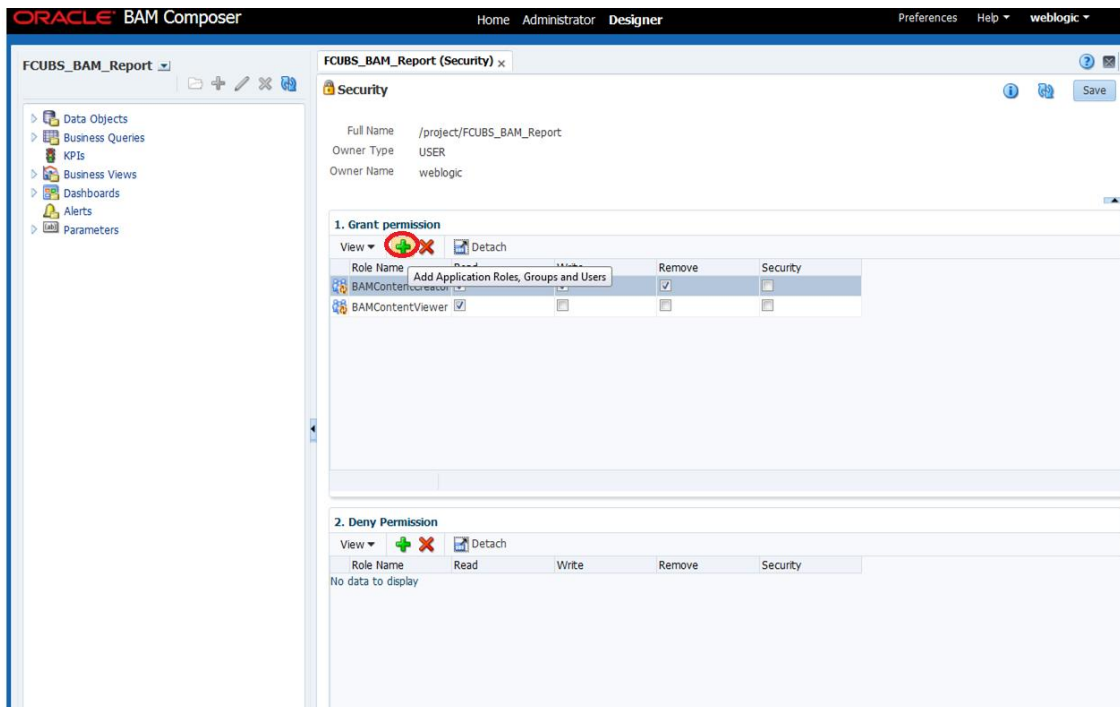
24. Click on FCUBS_BAM_report

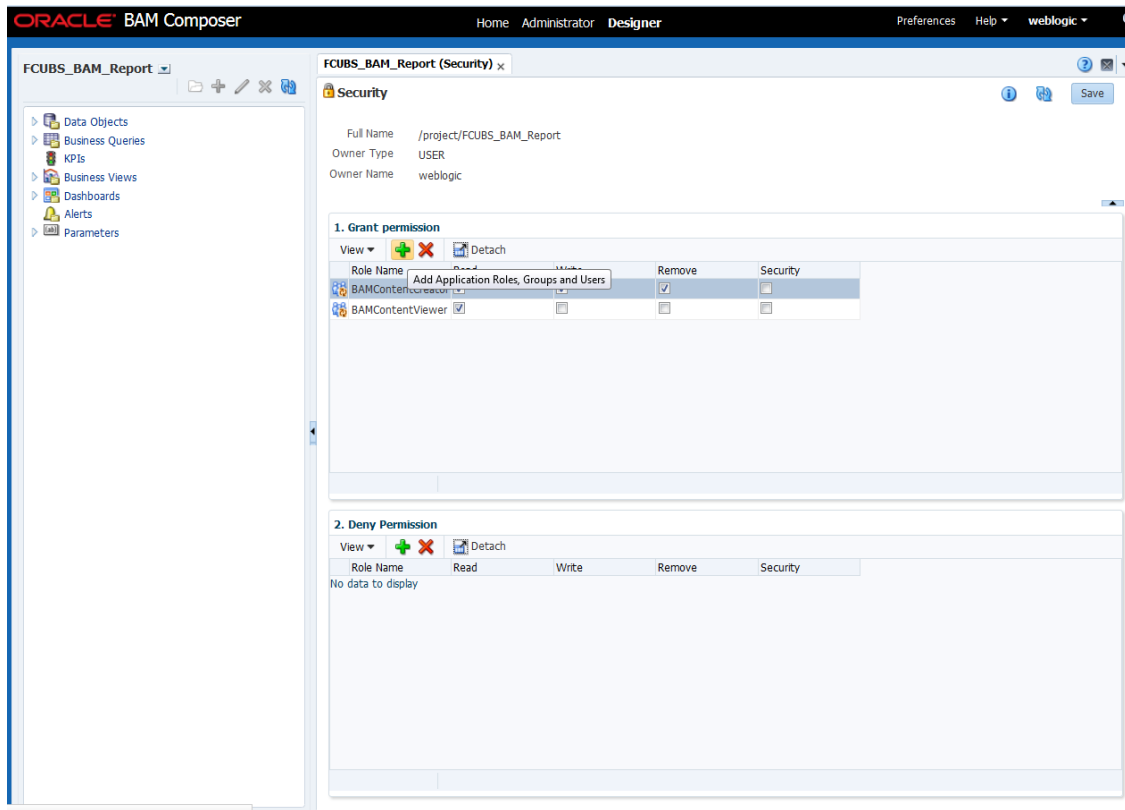


25. click on FCUBS_BAM_Report → Security

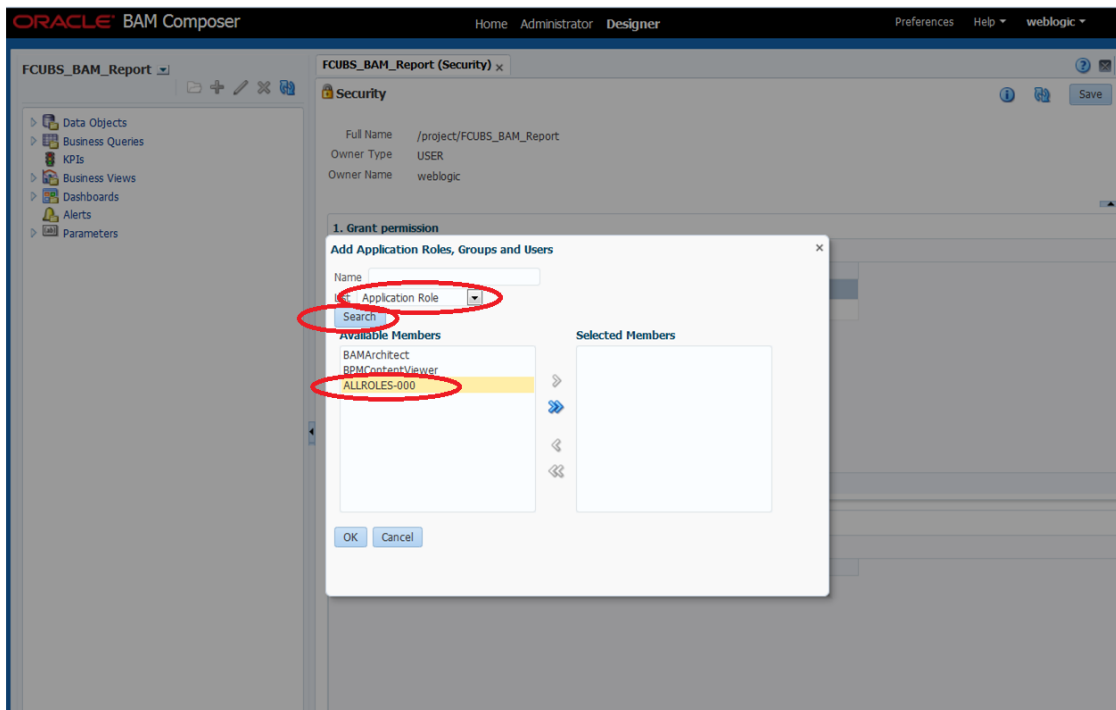


26. Click on ADD button Under Grant Permission.

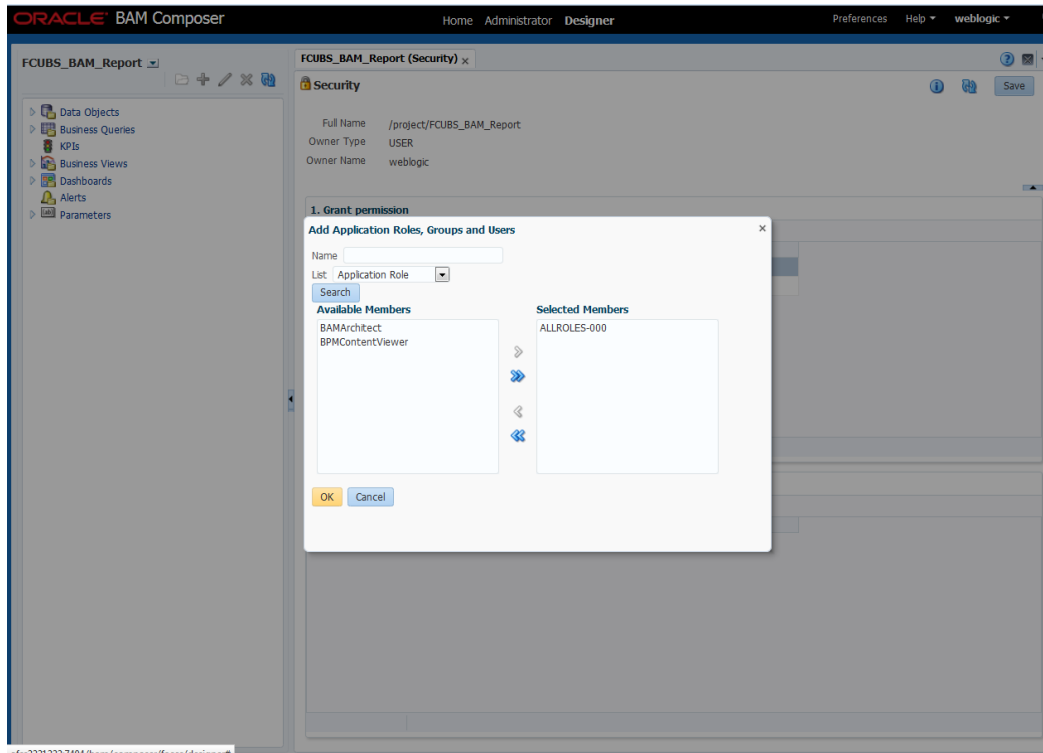




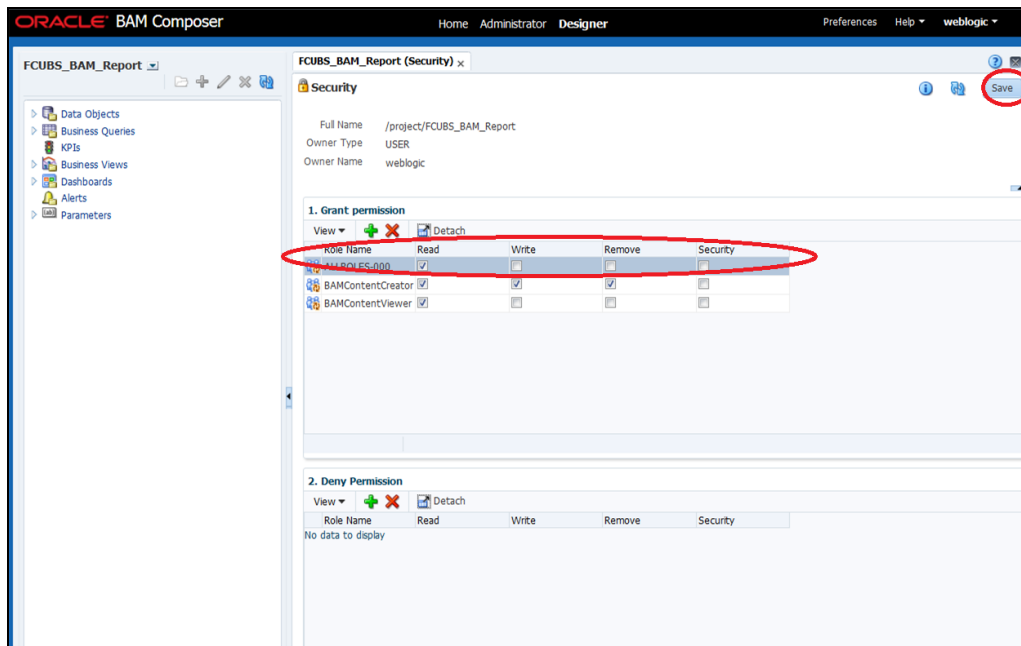
27. Search the List based on the Application Roles and Select the ALLROLES-000



28. Move the ALLROLES-000 to Selected Members and click on ok.



29. Select the Read check box for ALLROLES-000 → Click on Save

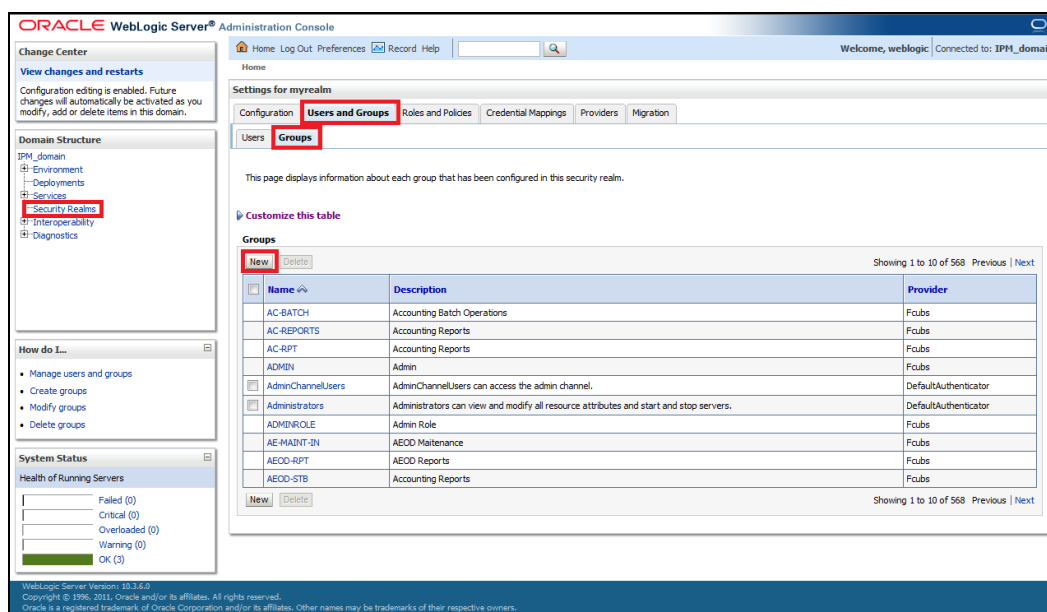


1.2.10 IPM configuration to edit the document

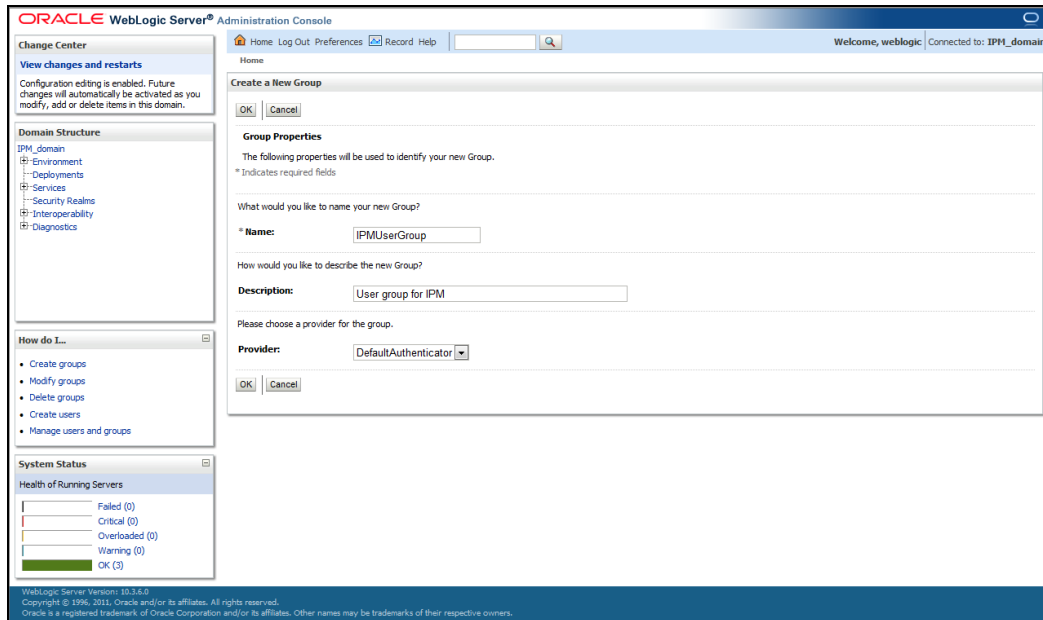
- 1) Login to the console, `http/s:<hostname>:<port>/console` with admin user
- 2) Follow the step 1.2.1 to add the “FCJCustomProvider”.

After adding, Navigate to security realms > myrealm > Users and Groups and check if the users from the schema are displayed in Users tab, and Roles from the schema are displayed under the Groups Tab.

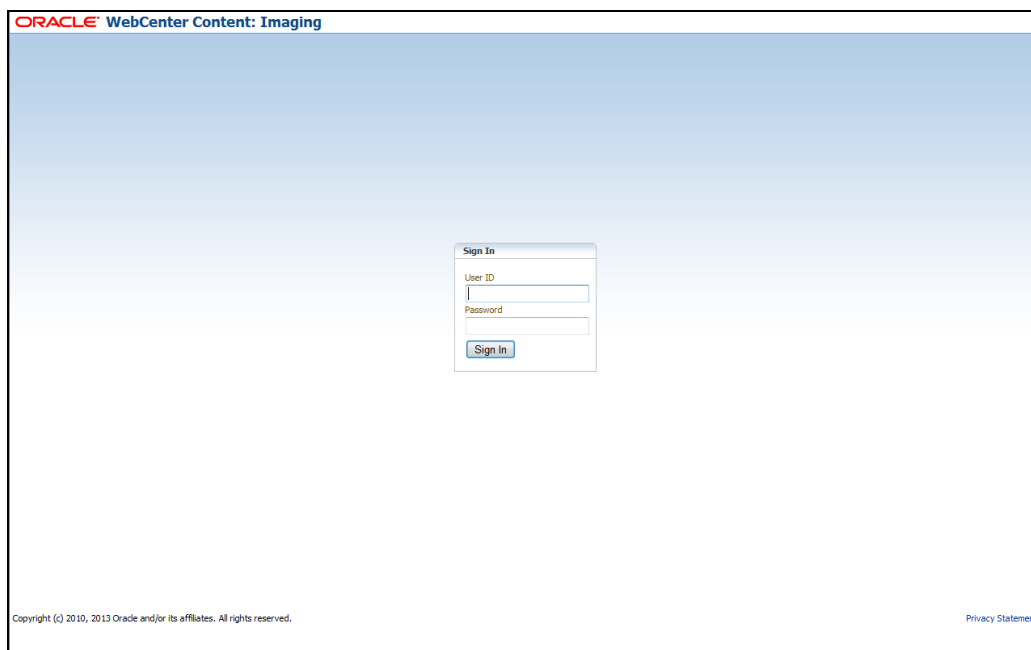
- 3) After adding the custom authenticator,
 - Navigate to security realms >my realm > Users and Groups > Groups.
 - Click on the New button.



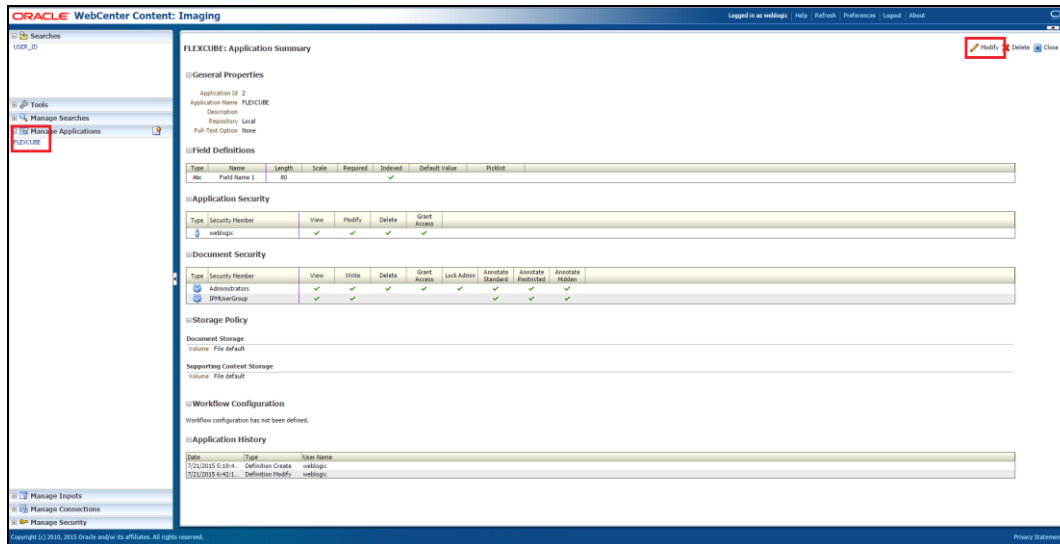
- 4) After Clicking on the new button,
 - Enter the name as “IPMUserGroup”
 - Description for it (optional)
 - And select the authenticator as “DefaultAuthenticator”
 - And then click “OK”



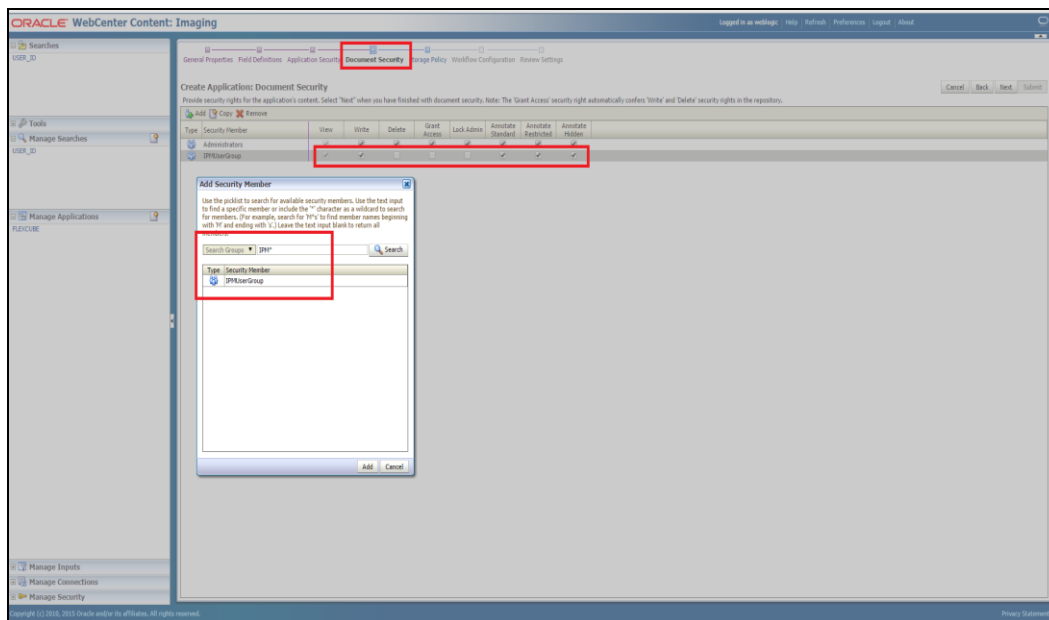
5) Login to the Imaging URL <http://s:<hostname>:<port>/imaging> with admin user



- Navigate to Manage Applications
- Click on the FLEXCUBE
- Then click on the modify on the right pane



- 6) After clicking on the modify button,
 - a. Navigate to Document Security
 - b. Click on Add button
 - c. Click on Search button in the pop up window
 - d. Select the "IPMUserGroup"
 - e. Click on Add
 - f. IPMUserGroup will be listed in the panel, select view ,write,annotate Standard,Annotate Restricted and Annotate Hidden checkboxes.
 - g. Finally click on the submit button on the right corner



- 7) After clicking on the submit button,
 - a. Navigate to Manage Searches
 - b. Click on the available search (ex: USER_ID in this doc)
 - c. Click on the modify

ORACLE WebCenter Content: Imaging

Logged in as weblogic | Help | Refresh | Preferences | Logout | About

Searches
USER_ID

Tools
Manage Searches
USER_ID

USER_ID: Search Summary

Modify Delete Close

Properties

Search Name: USER_ID
Description:
Instructions:
Maximum Search Results: 0

Results Formatting

Source Application	DOCID	Document Creation Date	Document Created By	Document Batch Id	Document Id
FLEXCUBE	DOCID	Document Creation Date	Document Created By	Document Batch Id	Document Id

Conditions

Application: FLEXCUBE

Field	Operator	Value	Conjunction
Document Created	Contains	Parameter - Document Created By	

Parameters

Parameter Name	Prompt Text	Operator Text	Default Value	Picklist	Required	Read Only
Document Created	Document Created	Contains				

Security

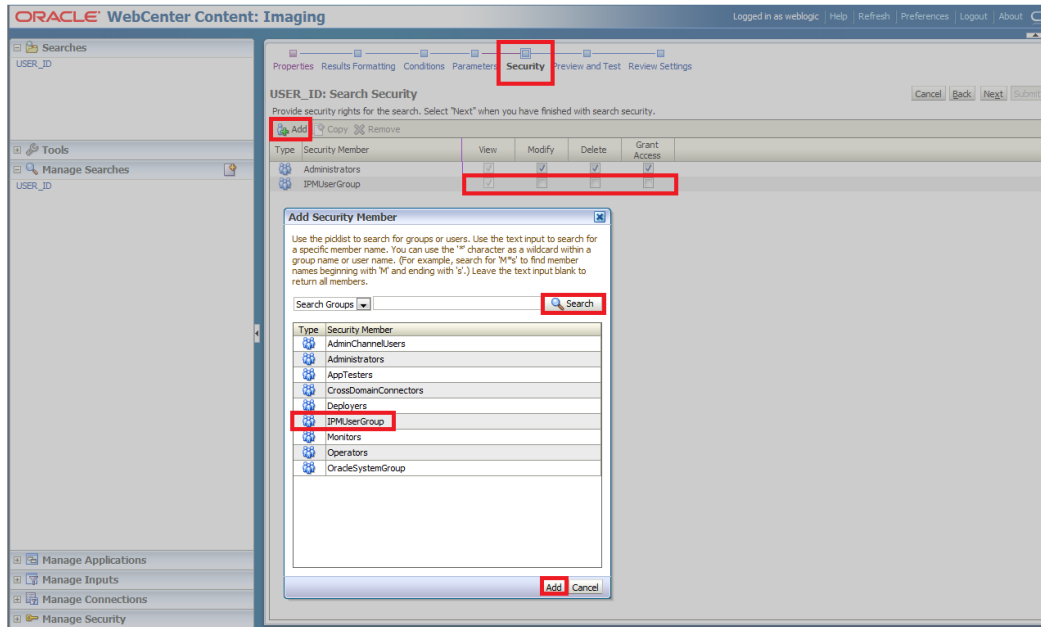
Type	Security Member	View	Modify	Delete	Grant Access
Administrators		✓	✓	✓	✓
IPMUserGroup		✓			

Audit History

Date	Type	User Name
7/2/2014	Definition Create	ARUJ
7/4/2014	Definition Modify	weblogic
7/4/2014	Definition Modify	weblogic
7/4/2014	Definition Modify	weblogic
7/4/2014	Definition Modify	weblogic
7/4/2014	Definition Modify	weblogic

Manage Applications
Manage Inputs
Manage Connections
Manage Security

- 8) After clicking on the modify button,
 - a. Navigate to Document Security
 - b. Click on Add button
 - c. Click on Search button in the pop up window
 - d. Select the "IPMUserGroup"
 - e. Click on Add
 - f. IPMUserGroup will be listed in the panel; don't select any checkbox except the default view checkbox.
 - g. Finally click on the submit button on the right corner



- 9) Copy the FCJJPSPProvider.jar to location
 <ORACLE_HOME >\user_projects\domains\<domian name>\lib
- 10) Go to the location – '<ORACLE_HOME>\user_projects\domains\<Domain_created>\config\fmwconfig'
- a. Open 'jps-config.xml' file. Search for '<serviceProviders>' tag and add the following code between '<serviceProviders>' and '</serviceProviders>' tags.

```
<serviceProvider class="oracle.security.jps.internal.idstore.generic.GenericIdentityStoreProvider"
name="custom.generic.provider" type="IDENTITY_STORE">
  <description>DB IdentityStore Provider</description>
</serviceProvider>
```

- b. Similarly, Search for '<serviceInstances>' tag and add the following code between '<serviceInstances>' and '</serviceInstances>' tags.

```
<serviceInstance location="dumb" name="idstore.custom" provider="custom.generic.provider">
  <description>Custom Identity Store Service Instance</description>
  <property name="idstore.type" value="CUSTOM"/>
  <property name="ADF_IM_FACTORY_CLASS"
value="com.ofss.fcc.bpel.security.idm.providers.stddb.FCIdentityStoreFactory"/>
  <property name="DATASOURCE_NAME" value="jdbc/fcjdevs"/>
  <property name="INTERNAL_CONTEXT_REQUIRED" value="true"/>
  <property name="INTERNAL_CONTEXT_NAME" value="internalstore"/>
</serviceInstance>
```



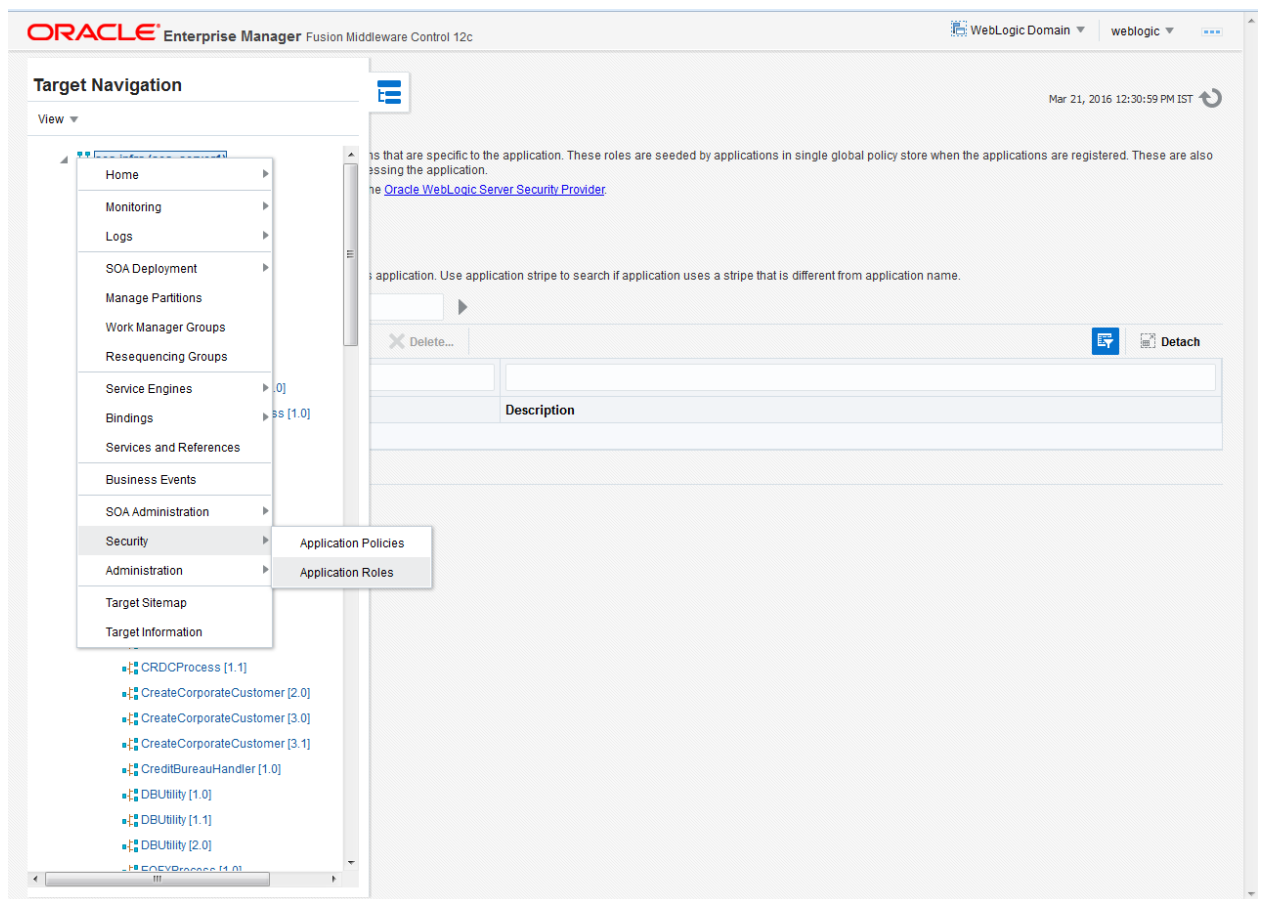
Make sure that the JNDI (jdbc/fcjdevs) matches the value given during property file creation.

- c. Search for '<jpsContexts default="default">' tag and add the following code between '<jpsContexts default="default">' and '</jpsContexts>', preferably after the default 'jpsContext'.

```
<jpsContext name="internalstore">
  <serviceInstanceRef ref="credstore"/>
  <serviceInstanceRef ref="keystore"/>
  <serviceInstanceRef ref="policystore.xml"/>
  <serviceInstanceRef ref="audit"/>
</jpsContext>
```

1.2.11 Configuring Supervisor Roles in EM

1. Right click on soa-infra. Select security→Application Roles



2. Search the Application Roles with "Starts with" option.

Enterprise Manager Fusion Middleware Control 12c

WebLogic Domain ▾ weblogic ▾

soa-infra

SOA Infrastructure ▾

Mar 21, 2016 12:30:59 PM IST

Application Roles

Application roles are the roles used by security aware applications that are specific to the application. These roles are seeded by applications in single global policy store when the applications are registered. These are also application roles that are created in the context of end users accessing the application.

To manage users and groups in the WebLogic Domain, use the [Oracle WebLogic Server Security Provider](#).

► Policy Store Provider

▲ Search

Enter search keyword for role name to query roles defined by this application. Use application stripe to search if application uses a stripe that is different from application name.

Role Name Starts With

View ▾ Create... Create Like... Edit... Delete... Search application roles

Role Name	Display Name	Description
default_Composer	Composer for the Default Partition	A composer is responsible for making changes to composite artifacts, such as business rules in a business process, security poli...
default_Deployer	Composite Deployer for the Default P...	A deployer is responsible for deploying new applications, upgrading existing applications, and managing the continuous integratio...
default_Tester	Tester for the Default Partition	A tester performs integrated black box testing on preproduction systems. A system tester typically runs tests using a combination of...
default_ApplicationOperator	Application Operator for the Default Pa...	An application operator is responsible for handling customer complaints and making decisions on requests that result in faults in t...
default_Monitor	Monitor for the Default Partition	A default partition monitor is responsible for ensuring the successful operations of the deployed applications on the default partition.
MiddlewareOperator	SOA MiddleWare Operator	A middleware operator is responsible for ensuring operational continuity. A middleware operator is also the main point of contact w...
MiddlewareAdministrator	SOA Middleware Administrator	A middleware administrator is responsible for ensuring the continuous availability of the middleware servers, but is not always resp...
SOAAdmin	SOA Admin Role	SOA application admin role, has full privilege for performing any operations including security related
SOAOperator	SOA operator Role	SOA application operator, for common operational tasks like start, stop, monitor, backups
SOAMonitor	SOA Monitor Role	SOA application monitor role, has read-only privileges for monitoring
SOAAuditAdmin	SOA Audit Admin Role	SOA audit administrator role, can perform audit configuratoin and administration
SOAAuditViewer	SOA Audit Viewer Role	SOA audit viewer role, can view audit records
BPMWorkflowAdmin	BPM Workflow System Admin Role	BPM Workflow Administrator Application Role
BPMWorkflowCustomize	BPM Workflow Customize Role	BPM Workflow Customize Application Role
BPMAGAdmin	BPM Activity Guide Admin Role	BPM Activity Guide Administrator Application Role
BPMOrganizationAdmin	BPM Organization Admin role	BPM Organization Administrator Application Role
SOADesigner	SOA Designer	SOA Designer

3. Select the SOAAdmin Role and Click on 'Edit option'.

ORACLE Enterprise Manager Fusion Middleware Control 12c WebLogic Domain weblogic

soa-infra SOA Infrastructure

Mar 21, 2016 12:30:59 PM IST

Application Roles

Application roles are the roles used by security aware applications that are specific to the application. These roles are seeded by applications in single global policy store when the applications are registered. These are also application roles that are created in the context of end users accessing the application.

To manage users and groups in the WebLogic Domain, use the [Oracle WebLogic Server Security Provider](#).

Policy Store Provider

Search

Enter search keyword for role name to query roles defined by this application. Use application stripe to search if application uses a stripe that is different from application name.

Role Name Starts With

View Create... Create Like... Edit... Delete... Detach

Edit the selected application role

Role Name	Display Name	Description
default_Composer	Composer for the Default Partition	A composer is responsible for making changes to composite artifacts, such as business rules in a business process, security poli...
default_Deployer	Composite Deployer for the Default P...	A deployer is responsible for deploying new applications, upgrading existing applications, and managing the continuous integratio...
default_Tester	Tester for the Default Partition	A tester performs integrated black box testing on preproduction systems. A system tester typically runs tests using a combination of...
default_ApplicationOperator	Application Operator for the Default Pa...	An application operator is responsible for handling customer complaints and making decisions on requests that result in faults in t...
default_Monitor	Monitor for the Default Partition	A default partition monitor is responsible for ensuring the successful operations of the deployed applications on the default partition.
MiddlewareOperator	SOA MiddleWare Operator	A middleware operator is responsible for ensuring operational continuity. A middleware operator is also the main point of contact w...
MiddlewareAdministrator	SOA Middleware Administrator	A middleware administrator is responsible for ensuring the continuous availability of the middleware servers, but is not always resp...
SOAAdmin	SOA Admin Role	SOA application admin role, has full privilege for performing any operations including security related
SOAOperator	SOA operator Role	SOA application operator, for common operational tasks like start, stop, monitor, backups
SOAMonitor	SOA Monitor Role	SOA application monitor role, has read-only privileges for monitoring
SOAAuditAdmin	SOA Audit Admin Role	SOA audit administrator role, can perform audit configuratoin and administration
SOAAuditViewer	SOA Audit Viewer Role	SOA audit viewer role, can view audit records
BPMWorkflowAdmin	BPM Workflow System Admin Role	BPM Workflow Administrator Application Role
BPMWorkflowCustomize	BPM Workflow Customize Role	BPM Workflow Customize Application Role
BPMAGAdmin	BPM Activity Guide Admin Role	BPM Activity Guide Administrator Application Role
BPMOrganizationAdmin	BPM Organization Admin role	BPM Organization Administrator Application Role
SOADesigner	SOA Designer	SOA Designer

- Click on the ADD button and provide the **Type** as Group from drop down.

ORACLE® Enterprise Manager Fusion Middleware Control 12c

WebLogic Domain weblogic

Mar 21, 2016 12:34:21 PM IST

Edit Application Role : SOAAdmin

Role (or Enterprise Role) is the group of users designed at the enterprise level and typically used to assign a privilege or permission. A role can also contain other roles as members.

General

Application Stripe soa-infra

Role Name SOAAdmin

Display Name SOAAdmin

Description SOAAdmin

Members

An application role may need other roles as members.

View + Add

Add Principal

Specify criteria to search and select the application roles that you want to grant permissions to.

Search

Type Group

Principal Name Starts With

Display Name Starts With

Searched Principals

View Detach

Principal	Display Name	Description
No search conducted		

Advanced Option

☐ Check to enter principal name here instead of searching from above. This option can be used for advanced scenarios related to custom authenticators.

OK Cancel

5. Provide the principal name as (EX:ALLROLES-000) Param_val which is mapped to the OR_ADMINROLE in the cstb_param table and search the role.Click on ok.

ORACLE Enterprise Manager Fusion Middleware Control 12c

WebLogic Domain weblogic

Mar 21, 2016 12:34:21 PM IST

Edit Application Role : SOAAdmin

Role (or Enterprise Role) is the group of users designed at the enterprise level and typically used to assign a privilege or permission. A role can also contain other roles as members.

General

Application Stripe soa-infra

Role Name SOAAdmin

Display Name SOAAdmin

Description SOAAdmin

Members

An application role may need members to perform its functions.

View + Add

Add Principal

Specify criteria to search and select the application roles that you want to grant permissions to.

Search

Type Group

Principal Name Starts With ALLROLES-000

Display Name Starts With

Searched Principals

Principal	Display Name	Description
ALLROLES-000		ALLROLES-000

Advanced Option

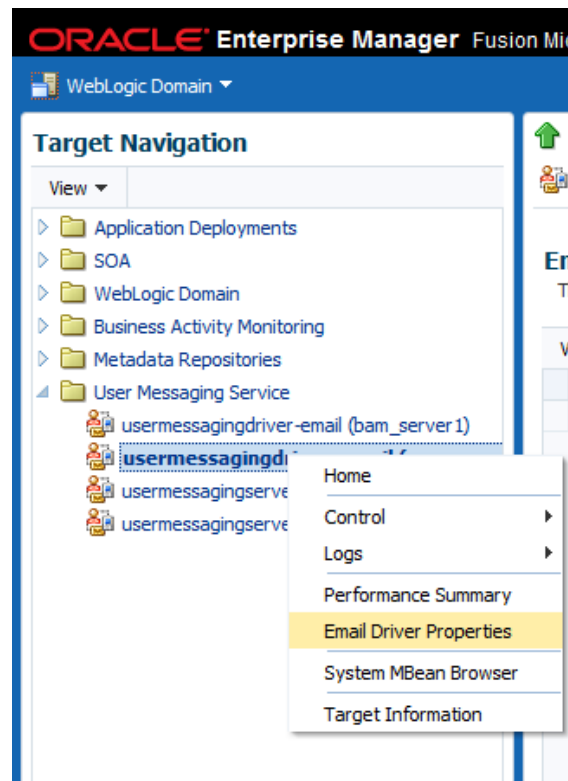
☐ Check to enter principal name here instead of searching from above. This option can be used for advanced scenarios related to custom authenticators.

OK Cancel

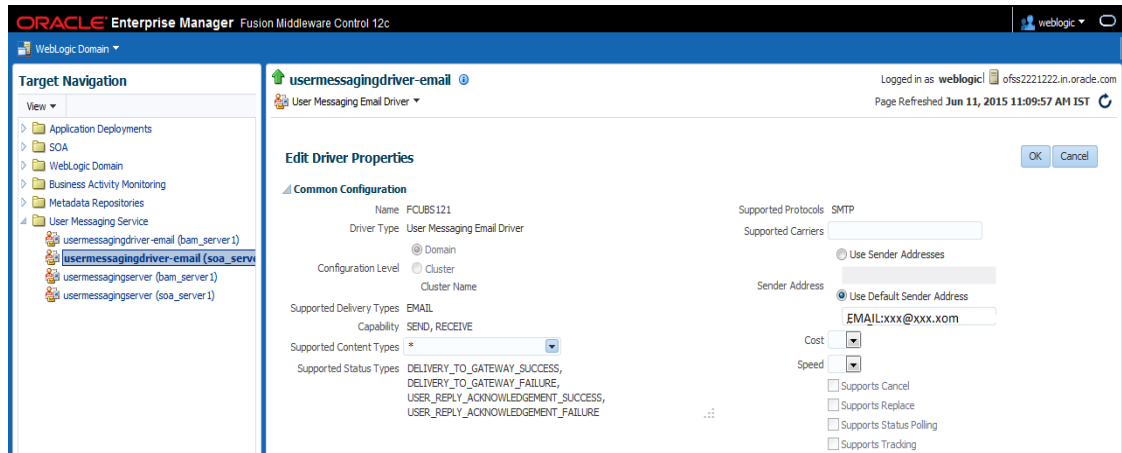
6. Click on Ok .

1.2.12 Email Driver Configuration

1. Login to EM console
2. Navigate to User Messaging Service
3. Right click usermessagingdriver-email (soa_server1)
4. Click on Email Driver Properties



5. .Enter the sender Address and default sender address (This id will be used as sender address).
6. .Enter the supported protocols (SMTP)



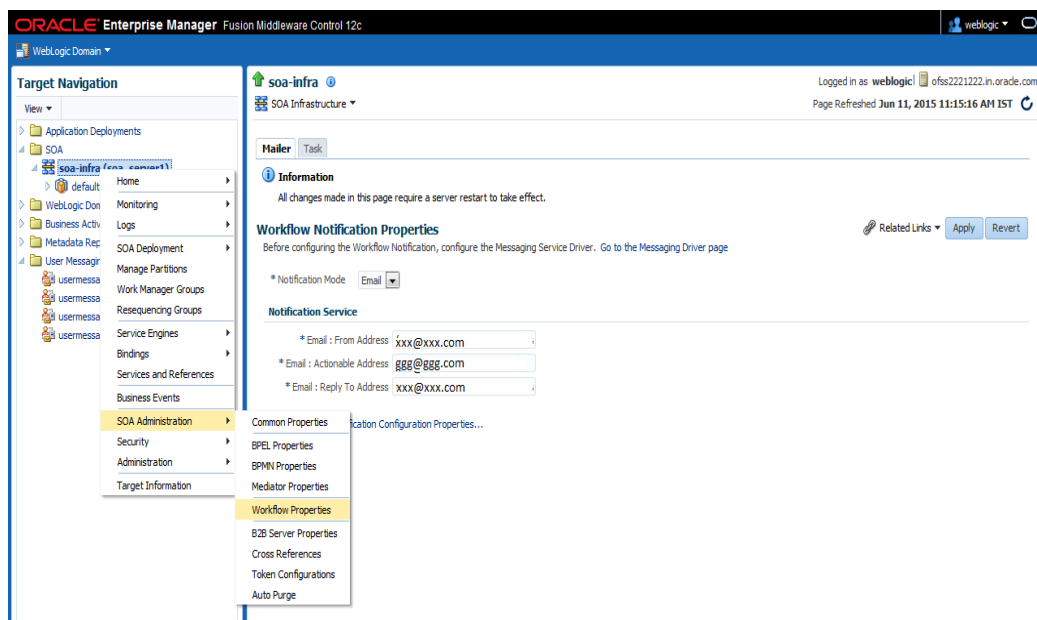
7. Select the mail access protocol (IMAP) as per the mail server specification

Driver-Specific Configuration				
Name	Description	Mandatory	Encoded Credential	Value
E-mail Receiving Protocol	E-mail receiving protocol. The possible values are IMAP and POP3.			IMAP
Connection Retry Limit	This value specifies the number of times to retry connecting to the incoming mail server, if the connection is lost due to some reason. The default value is -1 which means no limit to the number of tries.			-1
Message Cleanup Frequency	The frequency to permanently remove deleted messages. The unit is in seconds and the default value is 600 seconds. A negative value indicates the messages should not be expunged. For the POP3 protocol, the message is expunged after it is processed.			600
	Whether the driver should mark the messages deleted after they have been			

8. Enter the Receive folder in the mailbox (INBOX)
9. Enter the Outgoing mail server hostname or IP
10. Enter the outgoing mail server port
11. Enter the outgoing default from address
12. Enter the Outgoing user name and password if required

Driver-Specific Configuration				
Name	Description	Mandatory	Encoded Credential	Value
Outgoing Mail Server	The name of the SMTP server. Mandatory only if e-mail sending is required.			XXXXXX
Outgoing Mail Server Port	Outgoing Mail Server Port			25
Outgoing Mail Server Security	The security used by SMTP server. Possible values are None, TLS and SSL. Default value is None.			None
Default From Address	Deprecated. Use Default Sender Address instead. The default FROM address (if one is not provided in the outgoing message).			xxx@xxx.com
Outgoing Username	The username used for SMTP authentication. Required only if SMTP authentication is supported by the SMTP server.			

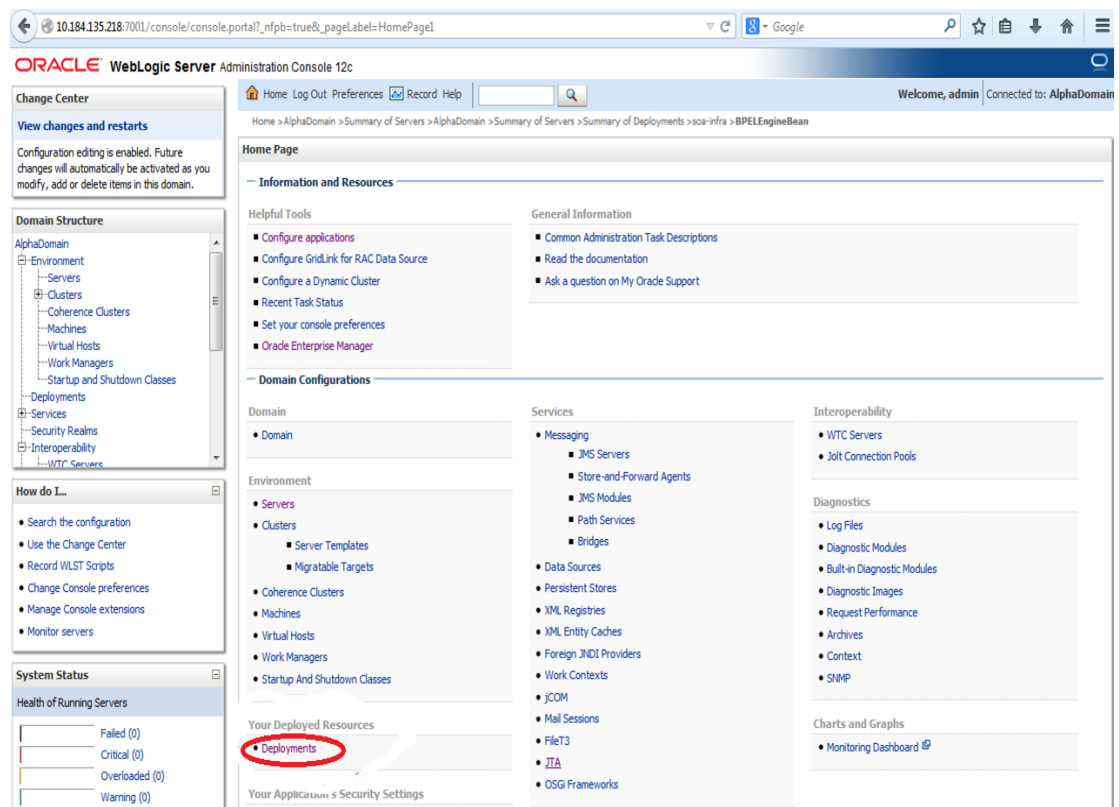
13. Navigate to SOA Administration ->Workflow Properties



14. Select the notification mode as Email/ALL and enter the from address Actionable address and reply to Address.

1.2.13 TimeOut Settings for BPEL

1. Login in to Console (<http://hostname:port/console>)
2. Click on Deployments

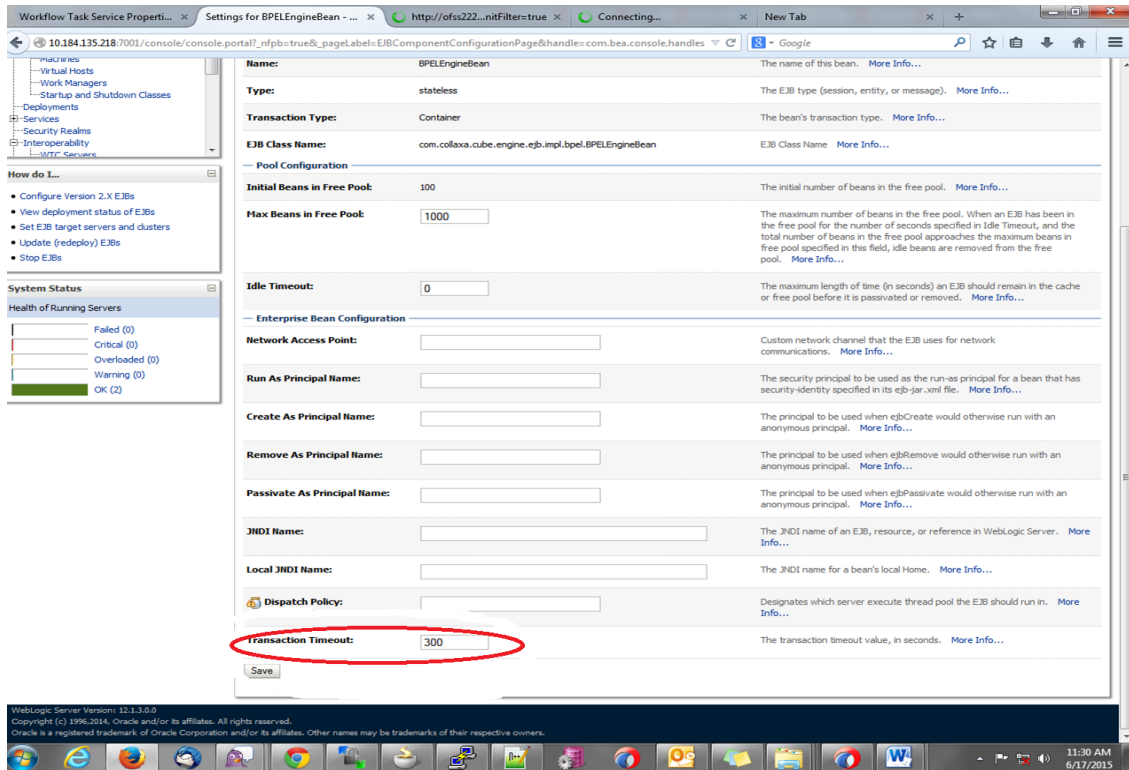


3. Click on SOA_INFRA Application under deployments.

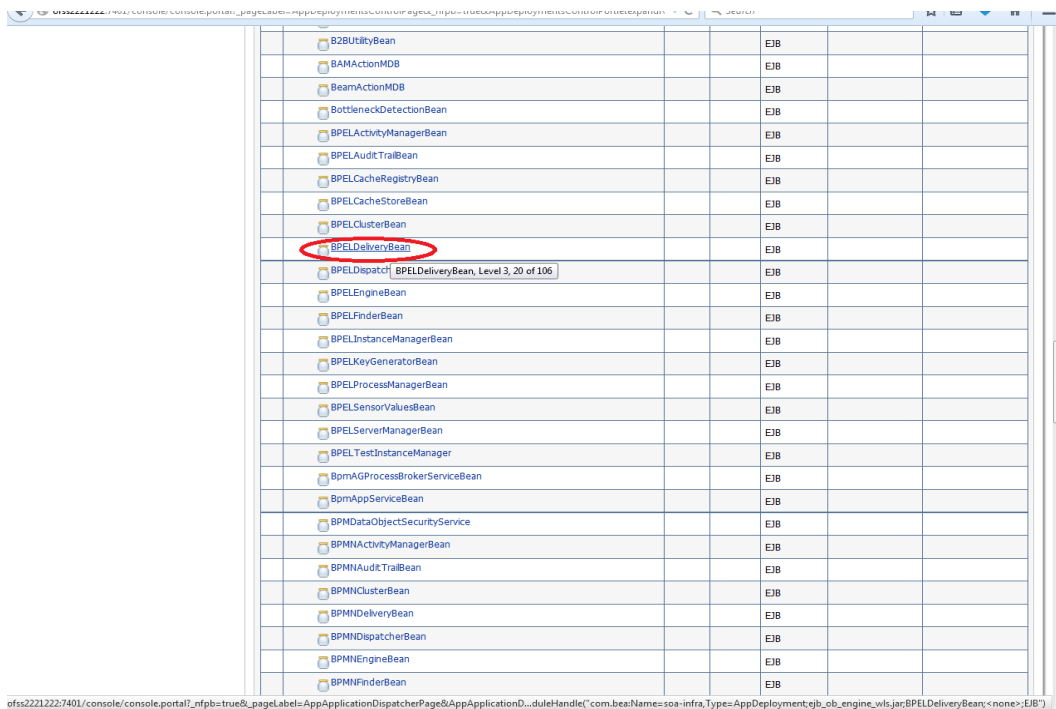
Name	State	Health	Type	Targets	Deployment Order
oracle.wsm.console.core.view(1.0,12.1.3.0)	Active		Library	AdminServer	311
oracle.wsm.seedpolicies(2.0,12.1.3)	Active		Library	AdminServer, BAMServer, SOAServer	100
OracleAppsAdapter	Active	OK	Resource Adapter	SOAServer	328
OracleBamAdapter	Installed		Resource Adapter		329
OraclePMBACServerApp	Active	OK	Enterprise Application	SOAServer	384
OraclePMComposerRolesApp	Active	OK	Enterprise Application	SOAServer	382
OraclePMProcessRolesApp	Active	OK	Enterprise Application	SOAServer	381
OraclePMWorkspace	Active	OK	Enterprise Application	SOAServer	383
oral18n-adf(11.11.1.1.1.0)	Active		Library	AdminServer, BAMServer, SOAServer	100
owasp.esapi(2.0,12.1.3)	Active		Library	AdminServer, BAMServer, SOAServer	100
SAPAdapter	Installed		Resource Adapter		335
SimpleApprovalTaskFlow	Active	OK	Enterprise Application	SOAServer	386
soa-infra	Active	OK	Enterprise Application	SOAServer	350
soa-webapps	Active	OK	Enterprise Application	SOAServer	360
soa.em	Active		Library	AdminServer	100
SocketAdapter	Installed		Resource Adapter		326
state-management-provider-memory-rar-12.1.3	Active	OK	Resource Adapter	AdminServer, BAMServer, SOAServer	100
UIDX(11,12.1.3.0.0)	Active		Library	AdminServer, BAMServer, SOAServer	100

4. Click on BPEL Engine EJB→Configuration→set Transaction Time Out to 300.

B2BInstanceMessageBean	EJB
B2BIntegratorBean	EJB
B2BMetadataUtilityBean	EJB
B2BStarterBeanWLS	EJB
B2BUtilityBean	EJB
BAMActionMDB	EJB
BeamActionMDB	EJB
BottleneckDetectionBean	EJB
BPELActivityManagerBean	EJB
BPELAuditTrailBean	EJB
BPELCacheRegistryBean	EJB
BPELCacheStoreBean	EJB
BPELClusterBean	EJB
BPELDeliveryBean	EJB
BPELDispatcherBean	EJB
BPELEngineBean	EJB
BPELFind(BPELEngineBean, Level 3, 22 of 106)	EJB
BPELInstanceManagerBean	EJB
BPELKeyGeneratorBean	EJB
BPELProcessManagerBean	EJB
BPELSensorValuesBean	EJB
BPELServerManagerBean	EJB
BPELTestInstanceManager	EJB
BpmAGProcessBrokerServiceBean	EJB
BpmAppServiceBean	EJB
BPMDataObjectSecurityService	EJB
BPMNActivityManagerBean	EJB
BPMNAuditTrailBean	EJB
BPMNClusterBean	EJB



5. Go to EJBs→BPEL Delivery Bean→ Configuration→set TransactionTimeout to 300



WebLogic Server Version: 12.1.3.0.0

How do I...

- Configure Version 2.X EJBs
- View deployment status of EJBs
- Set EJB target servers and clusters
- Update (redeploy) EJBs
- Stop EJBs

System Status

Health of Running Servers

	Failed (0)
	Critical (0)
	Overloaded (0)
	Warning (0)
	OK (4)

Type: stateless The EJB type (session, entity, or message). [More Info...](#)

Transaction Type: Container The bean's transaction type. [More Info...](#)

EJB Class Name: com.collaxa.cube.engine.ejb.mpl.bpel.BPELDeliveryBean EJB Class Name [More Info...](#)

Pool Configuration

Initial Beans in Free Pool: 200 The initial number of beans in the free pool. [More Info...](#)

Max Beans in Free Pool: 1000 The maximum number of beans in the free pool. When an EJB has been in the free pool for the number of seconds specified in Idle Timeout, and the total number of beans in the free pool approaches the maximum beans in free pool specified in this field, idle beans are removed from the free pool. [More Info...](#)

Idle Timeout: 0 The maximum length of time (in seconds) an EJB should remain in the cache or free pool before it is passivated or removed. [More Info...](#)

Enterprise Bean Configuration

Network Access Point: Custom network channel that the EJB uses for network communications. [More Info...](#)

Run As Principal Name: The security principal to be used as the run-as principal for a bean that has security-identity specified in its ejb-jar.xml file. [More Info...](#)

Create As Principal Name: The principal to be used when ejbCreate would otherwise run with an anonymous principal. [More Info...](#)

Remove As Principal Name: The principal to be used when ejbRemove would otherwise run with an anonymous principal. [More Info...](#)

Passivate As Principal Name: The principal to be used when ejbPassivate would otherwise run with an anonymous principal. [More Info...](#)

JNDI Name: The JNDI name of an EJB, resource, or reference in WebLogic Server. [More Info...](#)

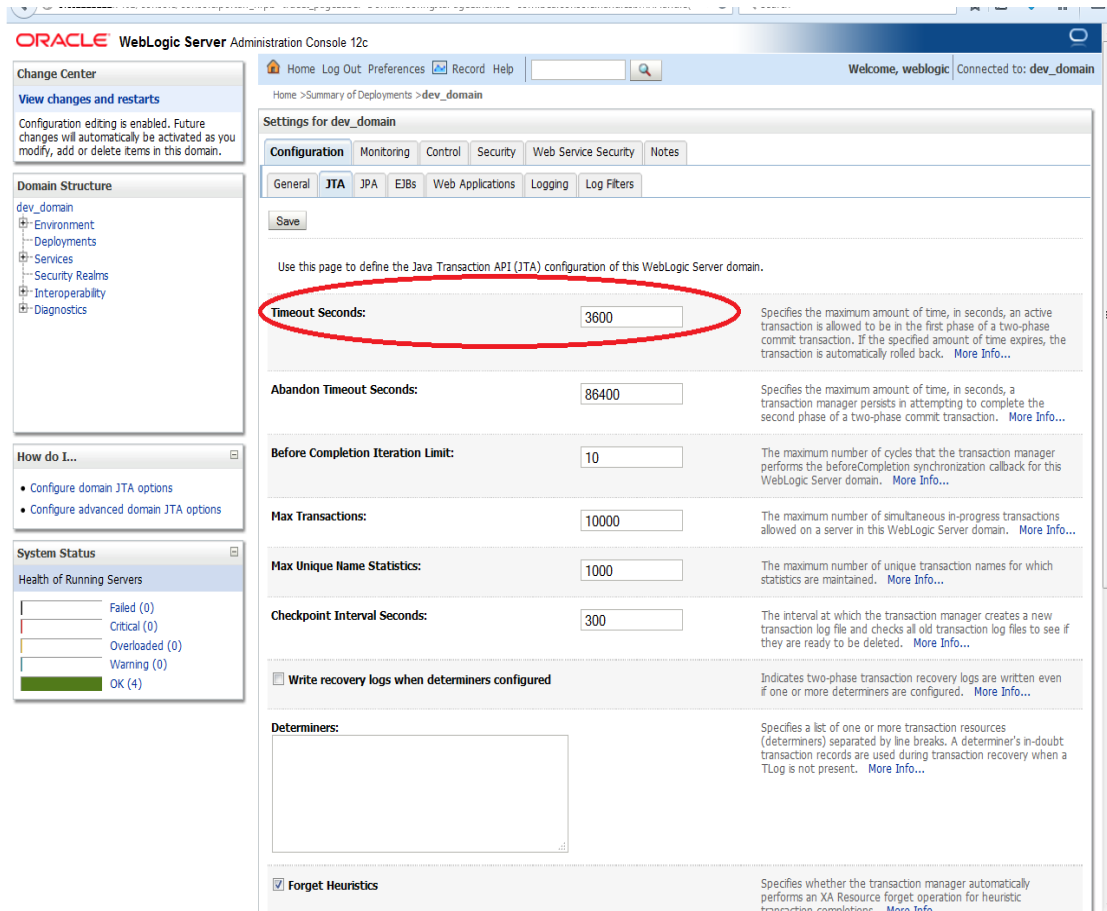
Local JNDI Name: The JNDI name for a bean's local Home. [More Info...](#)

Dispatch Policy: Designates which server execute thread pool the EJB should run in. [More Info...](#)

Transaction Timeout: 1800 The transaction timeout value, in seconds. [More Info...](#)

Save

6. Login in to Console → JTA
7. Set the JTA timeout According to the below condition. Make sure BPELEngineBean + BPELDeliveryBean is \leq JTA timeout ($300+300 \leq 600$)



8. Login in to EM console (<http://host:port/em>)→SOA dminstration→BPEL Properties→MoreConfigpropeties→ SyncMaxWaitTime.Change the SyncMaxWaitTime to 200 secs

soa-infra (SOA Infrastructure) - ... Settings for AlphaDomain - Alp... http://ofss222...nitFilter=true Connecting... New Tab

10.184.135.218:7001/em/faces/ai/soa/infra?Adf-Page-Id=11&target=%2FDomain_AlphaDomain%2FAlphaDomain%2Fsoa-server%2Fsoa-infra Google

ORACLE Enterprise Manager Fusion Middleware Control 12c

WebLogic Domain

Target Navigation

View

- Application Deployments
- SOA
 - soa-infra (5)
 - default
 - Home
 - Monitoring
 - Logs
 - SOA Deployment
 - Manage Partitions
 - Work Manager Groups
 - Resequencing Groups
 - Service Engines
 - Bindings
 - Services and References
 - Business Events
 - SOA Administration
 - Common Properties
 - BPML Properties
 - BPMLN Properties
 - Mediator Properties
 - Workflow Properties
 - B2B Server Properties
 - Cross References
 - Token Configurations
 - Auto Purge
 - Security
 - Administration
 - Target Information
 - CRPClosureProcess [1.0]
 - CRPProcess [1.0]
 - CRPProcess [2.0]
 - CurrentAccountCreationWithCreditFacility
 - DBUtility [1.0]
 - DBUtility [2.0]
 - DisburseFCUBSORRetailLoanContract [1.0]
 - EQFXProcess [1.0]
 - EXPProcess [1.0]
 - ExternalValuation [2.0]
 - InitiateFCUBSORRetailLoanPayment [1.0]
 - InitiateKYCCheckFCUBSORService [1.0]
 - InitiateRetailLoanContractFCUBSORService [1.0]
 - InitiateRetailLoanPaymentFCUBSORService [1.0]
 - InitiateRiskEvaluationFCUBSORService [1.0]
 - KYCCheck [2.0]
 - KYCCorporateReview [2.0]
 - KYCReview [2.0]
 - LimitReview [1.0]
 - OpenCurrentAccount [2.0]
 - OpenRetailTermDeposit [1.0]

soa-infra

Logged in as admin | ofss220692.in.oracle.com

Page Refreshed Jun 17, 2015 11:36:01 AM IST

Dashboard Deployed Composites Flow Instances Error Hospital

Key Configuration Business Transaction Faults Search

Profile **BPM BASIC** Last* 24 Hours

Instance Tracking **Production**

Default Query Duration **Last 24 Hours**

Auto Purge **Enabled**

Refresh region to show the latest data. Click graph to drill down.

Composites and Adapters Availability

SOA Runtime Health

soa-infra (SOAServer)

Initialized Successfully

System Backlogs

Last* 24 Hours

Refresh region to show the latest data.

Messages in Queues:

BPEL Invoke --

BPEL Callback --

Mediator Parallel Routing --

Recent In

With Fa

All

Composite

Sensor Name

11:36 AM 6/17/2015

System MBean Browser - Oracle... Settings for AlphaDomain - Alp... http://ofss222...nitFilter=true Connecting... New Tab

10.184.135.218:7001/em/aces/as/browser/mbeans?Adf-Page-Id=13&mbeanPattern=oracle.as.soainfra.config%3Dbpel%2C*8&starg Google

ORACLE Enterprise Manager Fusion Middleware Control 12c

WebLogic Domain

Change Center

Changes Recording

Target Navigation

View

- Application Deployments
- SOA
 - soa-infra (SOA Server)
 - default
 - AmendFCUBSORRetailLoanContract [1.0]
 - AmendFCUBSORRetailLoanContract [1.0]
 - AmendRetailLoanContractFCUBSORService [1.0]
 - BIPUtility [1.0]
 - BPELCOLLATProcess [1.0]
 - BPELCPRClosureProcess [1.0]
 - BPELCPProcess [1.0]
 - bpelcvnprocess [1.0]
 - BPELLimitReview [1.0]
 - CIBLProcess [1.0]
 - CloseFCUBSORRetailLoanContract [1.0]
 - CloseRetailLoanContractFCUBSORService [1.0]
 - COLLATProcess [1.0]
 - CRDOPProcess [1.0]
 - CreditBureauBPEL [1.0]
 - CreditBureauHandler [1.0]
 - CRPClosureProcess [1.0]
 - CRPProcess [1.0]
 - CRPProcess [2.0]
 - CurrentAccountCreationWithCreditFacility [1.0]
 - DBUtility [1.0]
 - DBUtility [2.0]
 - DisburseFCUBSORRetailLoanContract [1.0]
 - EQFXProcess [1.0]
 - EXPProcess [1.0]
 - ExternalValuation [2.0]
 - InitiateFCUBSORRetailLoanPayment [1.0]
 - InitiateKYCheckFCUBSORService [1.0]
 - InitiateRetailLoanContractFCUBSORService [1.0]
 - InitiateRetailLoanPaymentFCUBSORService [1.0]
 - InitiateRiskEvaluationFCUBSORService [1.0]
 - KYCCheck [2.0]
 - KYCCorporateReview [2.0]

soa-infra

SOA Infrastructure

Logged in as admin | ofss220692.in.oracle.com

Page Refreshed Jun 17, 2015 11:37:36 AM IST

System MBean Browser

Application Defined MBeans: BPELConfig:bpel

Apply Revert

Information

The changes made on this mbean are not managed by the configuration session. The changes will be applied immediately. You cannot undo the changes from the Change Center.

Show MBean Information

Attributes	Operations	Notifications
Name	Description	Access Value
22 MaximumNumberOfInvokeMessages	a separate location from the rest of the instance scope data specify the number of invoke messages that can be kept in the in-memory cache, once the engine hits this limit, it would push the message to dispatcher in-memory cache, instead it would save the message in the db and these saved messages can be recovered using recovery job, you can use value -1 to disable	RW 100000
23 MaxRecoverAttempt	This value specifies the maximum number of times an invoke or callback or activity will be recovered	RW 2
24 MinBPELWait	The minimum time duration for BPEL to do a real wait that involves a dehydration	RW 2
25 objectName	The MBean's unique JMX name	R oracle.as.soainfra.config:nar
26 OneWayDeliveryPolicy	Changes whether the one-way invocation messages are delivered	RW async.persist
27 QualityOfService	flag to enable or disable coherence cache for bpel service engine. use CacheEnabled for enabling coherence.	RW DirectWrite
28 QualityOfServiceAuditStorePolicyUsed	flag to enable or disable coherence cache for bpel service engine when auditStorePolicy is set to async	RW false
29 QualityOfServiceOneWayDeliveryPolicy	flag to enable or disable coherence cache for bpel service engine when oneWayDeliveryPolicy is set to async	RW false
30 ReadOnly	If true, it indicates that this MBean is a read only MBean.	R false
31 RecoveryConfig	Recovery Configuration	RW javax.management.openmbe
32 RecurringMaxMessageRaiseSize	Number of messages to recover during recurring recovery	RW 50
33 RestartNeeded	Indicates whether a restart is needed.	R false
34 SpecCompliance	Sets how the implementation is compliant to the spec	RW suggest
35 StartupMaxMessageRaiseSize	Number of messages to recover during startup recovery	RW 50
36 StatsLastN	The size of the "most recently processed" request list	RW -1
37 SyncMaxWaitTime	The maximum time a request/response operation will take before it times out. The default value is 45 seconds.	RW 45
38 SystemMBean	If true, it indicates that this MBean is a System MBean.	R false
39 ValidateXML	If set to "true" the engine will apply schema validation for incoming and outgoing xml documents. The default value "false".	RW false
40 Version	version of the config file	R 11.1.0
41 Visible	If true, it indicates that this MBean is visible to current user.	R true

11:37 AM 6/17/2015

1.3 **Integrating Oracle FLEXCUBE UBS and Scheduler**

Before deploying the Oracle FLEXCUBE UBS EAR file, you need to carry out the following tasks.

1.3.1 **Running Backend Scripts**

You need to compile certain tables pertaining to Scheduler in the schema to which the Application points. The version of Quartz to be used is Latest Qualified Version.

Follow the steps given below:

1. Download Quartz Latest Qualified Version.gz file from the following URL:
<http://www.quartz-scheduler.org/download/download-catalog.html>
1. Extract the gz file.
2. Open the folder 'Quartz-Latest Qualified Version \docs\dbTables' folder and run 'tables_oracle.sql' (this is specific to Oracle Database) in the schema.



For details on latest version of the software qualified with Oracle FLEXCUBE, refer to the release certificate.

1.4 **Integrating Oracle FLEXCUBE UBS and BIP Reports**

You can integrate Oracle FLEXCUBE UBS and BIP reports. The details are available in the chapter 'BIP Web Service Reports'.

1.4.1 **Deploying Application Through Application Server's Admin Console**

Deployment from Weblogic Administration Console

You can find the details pertaining to the deployment of Application using Weblogic Administration Console in the chapter 'Deploying Oracle FLEXCUBE Application on Weblogic'.

1.5 **Integrating Oracle FLEXCUBE UBS and MBean**

In order to integrate Oracle FLEXCUBE UBS and MBean, you need to follow the below steps before deploying the Oracle FLEXCUBE UBS EAR file created with MBean as a Plugin.

1.5.1 **Startup Script Modification**

By default, the TopLink used in MBean uses Oracle xml parser internally. However, Weblogic Server has to use JAXPlatform.

To change the system property, follow the steps given below:

1. Go to the Weblogic domain home folder.
 - c) Based on the operating system used, open 'startWeblogic.cmd' or 'startWeblogic.sh' from the folder 'bin'.

- d) Search for 'WLS_REDIRECT_LOG'. After '%JAVA_OPTIONS%' add the following code under 'if' and 'else' conditions.

"-Dtoplink.xml.platform=oracle.toplink.platform.xml.jaxp.JAXPPlatform"

Now, the details will look like this:

```
if "%WLS_REDIRECT_LOG%"==" " (

    echo Starting WLS with line:

    echo %JAVA_HOME%\bin\java %JAVA_VM% %MEM_ARGS% -
Dweblogic.Name=%SERVER_NAME% -
Djava.security.policy=%WL_HOME%\server\lib\weblogic.policy
%JAVA_OPTIONS% %PROXY_SETTINGS% %SERVER_CLASS%

    %JAVA_HOME%\bin\java %JAVA_VM% %MEM_ARGS% -
Dweblogic.Name=%SERVER_NAME% -
Djava.security.policy=%WL_HOME%\server\lib\weblogic.policy
%JAVA_OPTIONS% -
Dtoplink.xml.platform=oracle.toplink.platform.xml.jaxp.JAXPPlatform
%PROXY_SETTINGS% %SERVER_CLASS%

) else (

    echo Redirecting output from WLS window to %WLS_REDIRECT_LOG%

    %JAVA_HOME%\bin\java %JAVA_VM% %MEM_ARGS% -
Dweblogic.Name=%SERVER_NAME% -
Djava.security.policy=%WL_HOME%\server\lib\weblogic.policy
%JAVA_OPTIONS% -
Dtoplink.xml.platform=oracle.toplink.platform.xml.jaxp.JAXPPlatform
%PROXY_SETTINGS% %SERVER_CLASS% >"%WLS_REDIRECT_LOG%" 2>&1

)
```

- e) Restart the Weblogic server.



Setting up Plug - Ins
[May] [2017]
Version 12.4.0.0.0

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