

Setting up Plug-Ins  
Oracle FLEXCUBE Universal Banking  
Release 14.5.1.0.0  
Part No. F45406-01  
[June] [2021]



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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.

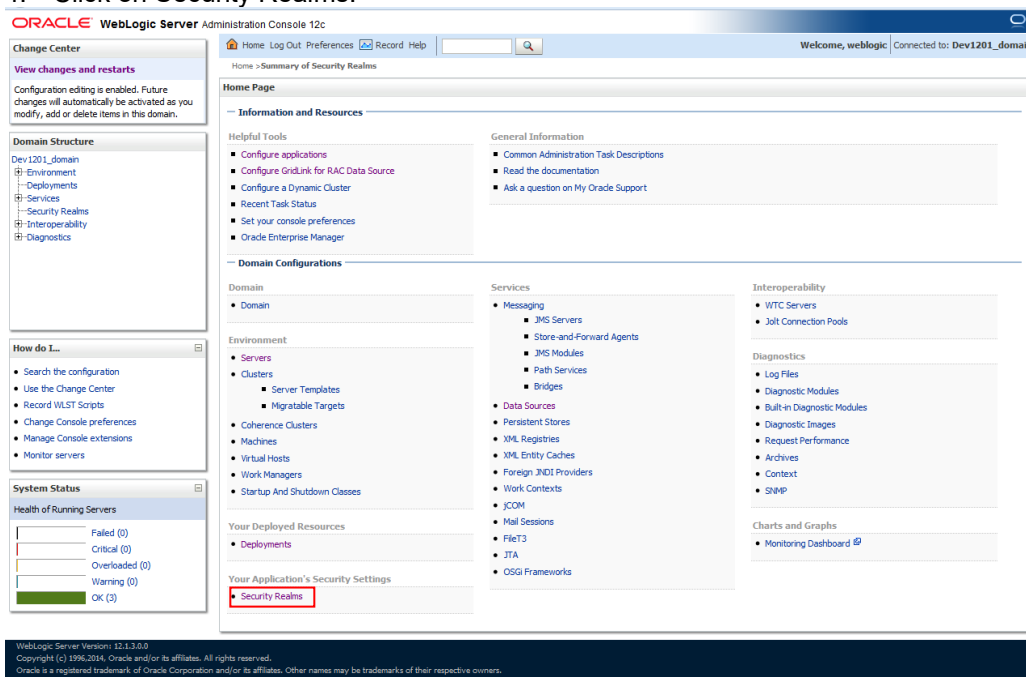
## 1.2 Integrating Oracle FLEXCUBE UBS and BPEL

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 'FCJJPSPProvider.jar' file inside the folder 'BPELbuild' created along. 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 inside the BPELbuild folder.
  - a. Copy this file to the following path on the application server host  
**<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.

**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 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)

Name	Default Realm
myrealm	true

Showing 1 to 1 of 1 Previous | Next

6. Click on Providers tab and click on new button to create new authentication provider.

Settings for myrealm - Oracle Software Delivery - 10.184.132.64:8080/ddit - BUG - SearchSoftware

10.184.132.228:8001/console/console.portal?\_nfpb=true&\_pageLabel=RealmproversTabPage&handle=com.bea.console.handles.SecurityMBeanHandle%28Security%3A...

**ORACLE WebLogic Server Administration Console 12c**

Home Log Out Preferences Record Help

Welcome, weblogic Connected to: soa\_server\_bpel

**Change Center**  
View changes and restarts  
No pending changes exist. Click the Release Configuration button to allow others to edit the domain.  
Lock & Edit  
Release Configuration

**Domain Structure**  
soa\_server\_bpel  
├ 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 as of 6:37 AM  
Failed (0)  
Critical (0)  
Overloaded (0)  
Warning (0)  
OK (2)

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**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

Name	Description	Version
FCCustomProvider	Authentication provider for FLEXCUBE users	FCUBS 12.2
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



## 7. Give Provider name as FCJCustomProvider and type as FCUBSUserAuthenticator.

The screenshot shows the Oracle WebLogic Server Administration Console. On the left, the 'Change Center' panel is visible with 'View changes and restarts' and 'System Status' sections. The main area displays the 'Create a New Authentication Provider' dialog. The 'Name' field is set to 'FCJCustomProvider' and the 'Type' dropdown is set to 'FCUBSUserAuthenticator'. The dialog includes 'OK' and 'Cancel' buttons.

Oracle WebLogic Server Administration Console 12c

Home Log Out Preferences Record Help

Welcome, weblogic Connected to: Dev1201\_domain

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

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

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## 8. Click Reorder to bring the newly created provider to first of all providers and click OK.

The screenshot shows the Oracle WebLogic Server Administration Console. The 'Providers' tab is selected in the 'Settings for myrealm' section. A table lists the authentication providers, with 'FCJCustomProvider' at the top. The 'Reorder' button is circled in red. The table also shows 'Trust Service Identity Asserter', 'DefaultAuthenticator', and 'DefaultIdentityAsserter'.

Oracle WebLogic Server Administration Console 12c

Home Log Out Preferences Record Help

Welcome, weblogic Connected to: Dev1201\_domain

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 FLEXCUBE users	FCUBS 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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**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...**  
• Re-order Authentication providers  
• Set the JAAS control flag

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

**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 Asse  
DefaultAuthenticator  
DefaultIdentityAsserter

OK Cancel

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9. Click on FCJCustomProvider.

10. In Common tab change the control flag to “SUFFICIENT”.

**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...**  
No task help found.

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

**Settings for FCJCustomProvider**  
Configuration  
Common Provider Specific

Save

This page allows you to define the general configuration of this provider.

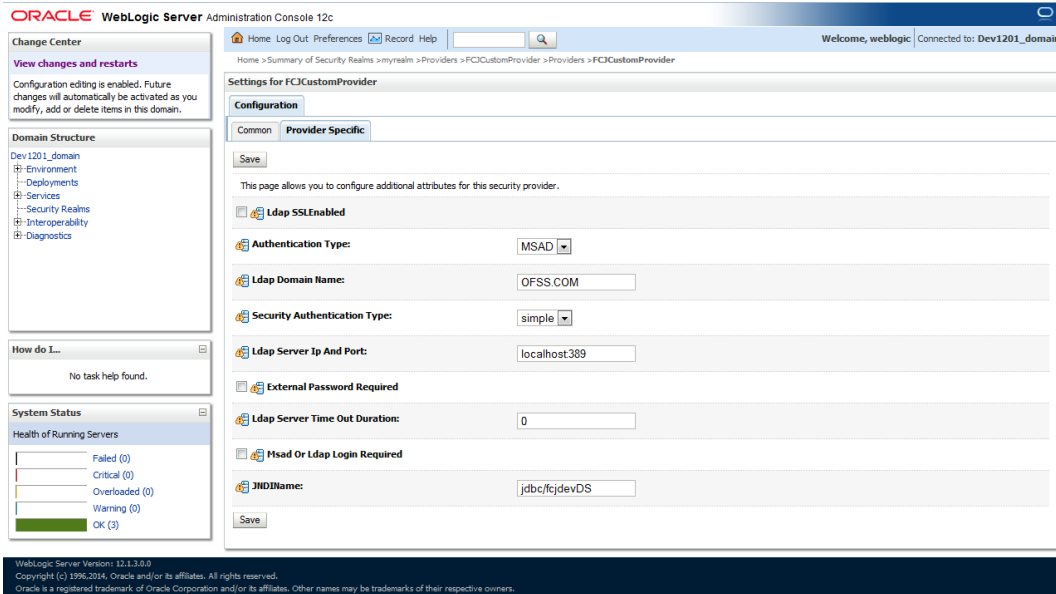
**Name:** FCJCustomProvider  
**Description:** Authentication provider for FLEXCUBE users  
**Version:** FCUBS 12.1  
**Control Flag:** SUFFICIENT

Save

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11. In Provider Specific tab

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



12. For manually editing the config.xml go to the below path and open the config.xml file  
 <ORACLE\_HOME>\Middleware\user\_projects\domains\base\_domain\config\
- 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>
```

- 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:

- Along with the Oracle FLEXCUBE UBS EAR file, the Installer creates 'FCJJSPProvider.jar' file inside the BPBuild folder under SOURCE directory.
- On the application server host, create a folder by name 'classes' at the location '<MIDDLEWARE\_HOME>soa\soa\modules\oracle.soa.ext\_11.1.x'.
- Extract the file 'FCJJSPProvider.jar' and from the extracted content, copy 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 same as Entity Name given in Multi Entity Names screen while creating property file 'fcubs.properties', e.g. 'jdbc/fcjdevDS'.
5. Copy 'FCJJSPProvider.jar' to  
'<MIDDLEWARE\_HOME>/user\_projects/domains/<domain\_name>/config/fmwconfig/ovd/plugins/lib'. Create the directory structure if it does not exist.
6. Copy the fcubs\_adapter.xml from this word doc to  
'<MIDDLEWARE\_HOME>/oracle\_common/modules/oracle.ovd/templates/



fcubs\_adapter.xml

7. Search for param name="DataSource" in fcubs\_adapter.xml and update its value with FCUBS Datasource name, e.g. updated parameter would look like  
<param\_name="DataSource" value="jdbc/fcjdevDS"/>.
8. Set environment variables in the command prompt, e.g. for linux shell,  

```
export ORACLE_HOME=/scratch/app/bpm12212(setting ORACLE_HOME)
export WL_HOME=/scratch/app/bpm12212/wlserver(setting WL_HOME)
export JAVA_HOME=/scratch/work_area/DBA/jdk1.8.0_144 (setting JAVA_HOME)
```
9. Execute "libovdadapterconfig" script which is present in  
'<MIDDLEWARE\_HOME>/oracle\_common/bin' with below parameters. Provide the below arguments with values for 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 <FCUBS_DATASOURCE_JNDI>
```
10. Once the above steps are completed, i.e. "Adapter created successfully: fcubsAdapter" message is displayed, 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 in lower case.

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 in lower case which we have created.

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

8. Search for ou=fcubs and update with entity id in lower case.

EX : ou= EntityId

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 ,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>

10. Repeat from step2 to step7 for each entity creation

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

Note:- for any misconfiguration in libovd

We can delete the existing fcubsAdapter and re run the ./libovdadapterconfig.sh

For deleting fcubsAdapter use the below command:

Log in to the WSLT console by running the WLST script.For example:

MW\_HOME/oracle\_common/common/bin/wlst.sh

(UNIX)MW\_HOME\oracle\_common\common\bin\wlst.cmd (Windows)

Connect to your Administration Server using the following syntax:

connect ('<WLS admin user name>','<WLS admin password>','t3://<admin server host>:<admin server port>')

For example:connect('weblogic','weblogic','t3://myserver:7001')

Delete the misconfigured adapter using the following syntax:

deleteAdapter(adapterName='fcubsAdapter')

Note the following:

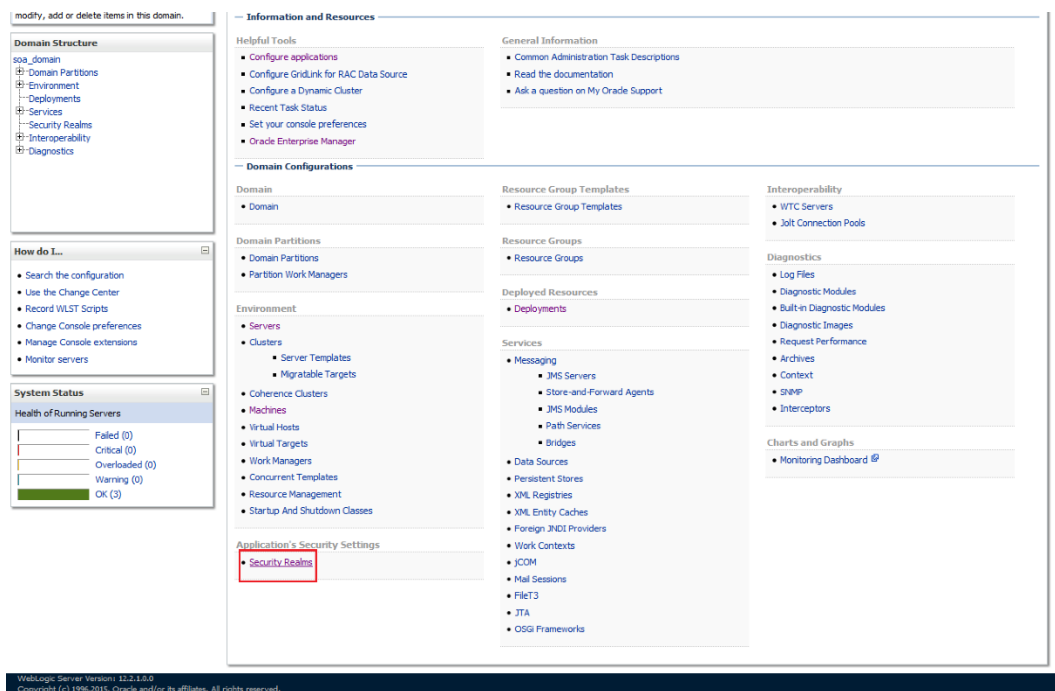
- In case of Multi Entity, all data sources must be created separately for each entity. The JNDI name will be differentiated by suffixing entity name.

Examples: If Data source is 'jdbc/fcjDevDs' then jdbc/fcjDevDs+entity name will be lookup the application. (jdbc/fcjDevDs+entity name) jndi should be presented in application server.

- For multi tenant deployment BPMN support will be available only for the logged entity.

## 1.2.4 Configuring for Multiple Providers for Multiple Entities

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



3. Click on myrealms.

**ORACLE WebLogic Server Administration Console 12c**

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 > 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

**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 new security realms  
• Enable automatic realm restart  
• 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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#### 4. Click on Providers.

**ORACLE WebLogic Server Administration Console 12c**

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 > myrealm

### Settings for myrealm

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

General RDBMS Security Store User Lockout Performance Providers-Tab

Save

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

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

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

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

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

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

☐ 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...](#)

Advanced

Save

**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 new security realms  
• Enable automatic realm restart  
• Manage security for Web applications and EJBs  
• Set the default security model  
• Delegate MBean authorization to the realm

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

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#### 5. Click on New

**ORACLE WebLogic Server Administration Console 12c**

Welcome, weblogic Connected to: soa\_domain

Home > myrealm > Providers > FCUBS > Summary of Security Realms > myrealm > 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
FCUBS	Authentication provider for FLEXCUBE users	FCUBS 12.2
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

**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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- Enter the Name with proper Entity Name(entity name we mapped in property file) and select the type as FCUBSUserAuthenticator

**ORACLE WebLogic Server Administration Console 12c**

Welcome, weblogic Connected to: soa\_domain

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

**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:** ENTITYID

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

**Type:** FCUBSUserAuthenticator

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**

soa\_domain

- Domain Partitions
- 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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- Click on Reorder. Bring the Authenticationprovider to the first in the order and click ok.



**ORACLE WebLogic Server Administration Console 12c**

Welcome, weblogic Connected to: soa\_domain

Home > FCUBS > Summary of Security Realms > myrealm > Summary of Security Realms > myrealm > Providers > ENTITYID > 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:**

- ☒ ENTITYID
- ☐ FCUBS
- ☐ Trust Service Identity Asse
- ☐ DefaultAuthenticator
- ☐ DefaultIdentityAsserter

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**

- soa\_domain
  - Domain Partitions
  - Environment
  - Deployments
  - Services
  - Security Realms
  - Interoperability
  - Diagnostics

**How do I...**

- Re-order Authentication providers
- Set the JAAS control flag

**System Status**

Health of Running Servers

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

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8. Click the Provider that we have created.

**ORACLE WebLogic Server Administration Console 12c**

Welcome, weblogic Connected to: soa\_domain

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

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

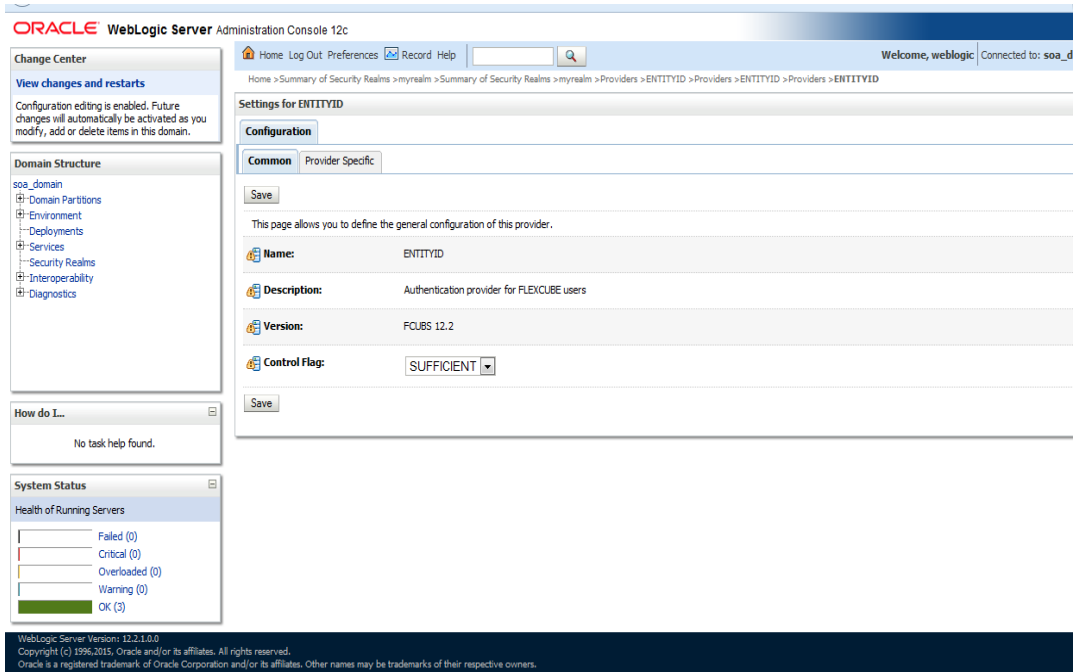
**System Status**

Health of Running Servers

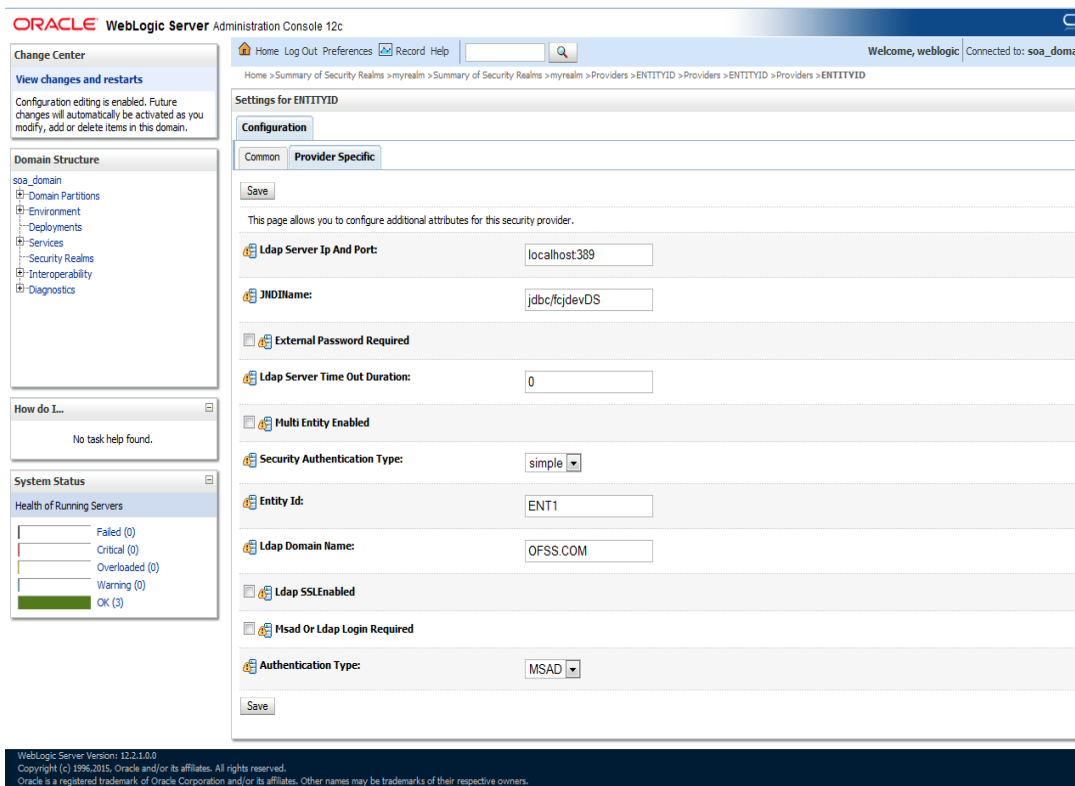
- Failed (0)
- Critical (0)
- Overloaded (0)
- Warning (0)
- OK (3)

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



10. Select the provider specific tab .



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.

**ORACLE WebLogic Server Administration Console 12c**

Home Log Out Preferences Record Help Welcome, weblogic Connected to: soa\_domain

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

**Settings for ENTITYYID**

**Configuration**

Common Provider Specific

Save

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

**Ldap Server Ip And Port:** localhost:389

**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 SSLEnabled

☐ Msad Or Ldap Login Required

**Authentication Type:** MSAD

Save

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

**ORACLE WebLogic Server Administration Console 12c**

Home Log Out Preferences Record Help Welcome, weblogic Connected to: soa\_domain

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

**Settings for ENTITYYID**

**Configuration**

Common Provider Specific

Save

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

**Ldap Server Ip And Port:** localhost:389

**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 SSLEnabled

☐ Msad Or Ldap Login Required

**Authentication Type:** MSAD

Save

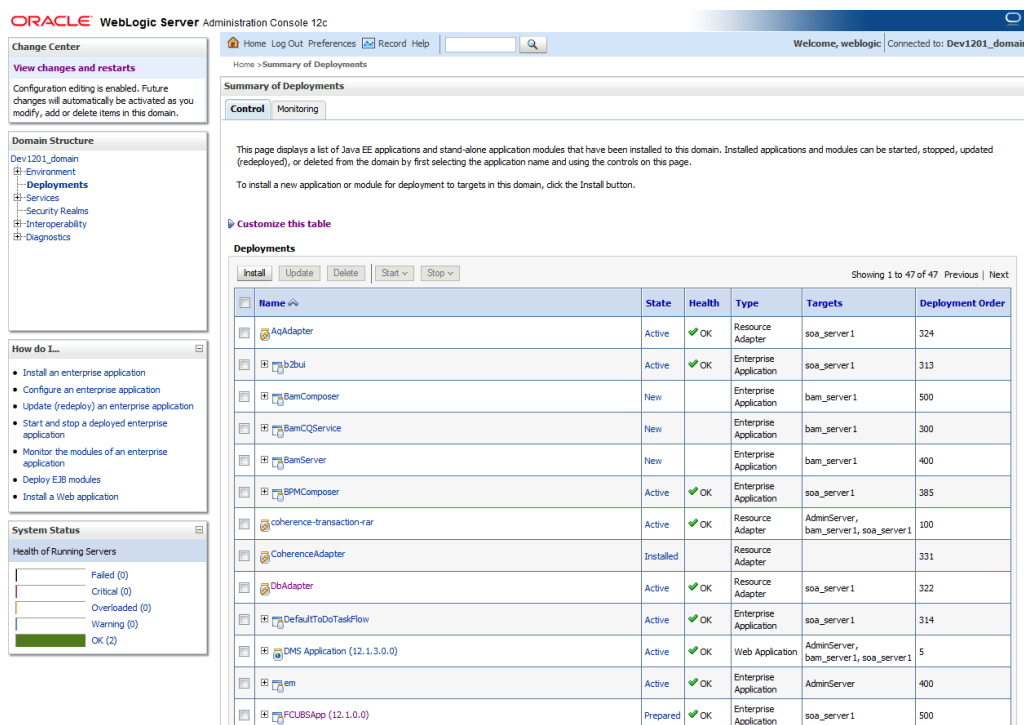
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13. Create the new datasource for each entity with the JNDI name which we mapped in the property file.
14. Restart the Admin server
15. Continue the step1 to step15 for each provider creation in multientity scenario.

## 1.2.5 Configuring DBAdapter

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

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



**ORACLE WebLogic Server Administration Console 12c**

Home Log Out Preferences Record Help Welcome, weblogic Connected to: Dev1201\_domain

Home > Summary of Deployments

**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
b2bi	Active	OK	Enterprise Application	soa_server1	313
BamComposer	New		Enterprise Application	bam_server1	500
BamCQService	New		Enterprise Application	bam_server1	300
BamServer	New		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
FUBSApp (12.1.0.0)	Prepared	OK	Enterprise Application	soa_server1	500

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

The screenshot displays the Oracle WebLogic Server Administration Console. The main window is titled 'Settings for DbAdapter' and has several tabs: Overview, Deployment Plan, Configuration, Security, Targets, Control, Testing, Monitoring, and Notes. The 'Configuration' tab is selected, and within it, the 'Outbound Connection Pools' sub-tab is active. Below the tabs, a text block explains that the table displays Outbound Connection Pool groups and instances for the resource adapter. The 'Outbound Connection Pool Configuration Table' is shown with columns for 'Groups and Instances' and 'Connection Factory Interface'. A single entry is listed: 'javax.resource.cci.ConnectionFactory'. The left sidebar contains a 'Domain Structure' tree and a 'System Status' section showing the health of running servers.

3. Click 'Configuration' tab and select 'Outbound Connection Pools' under it.
4. Under 'Groups and Instances', click and expand 'javax.resource.cci.ConnectionFactory'.
5. Click 'New' and select 'javax.resource.cci.ConnectionFactory' in Outbound Connection Group.
6. 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'.

7. Click 'DbAdapter' again. Click 'Configuration' tab and select 'Outbound Connection Pools'.
8. Under 'Groups and Instances', click and expand 'javax.resource.cci.ConnectionFactory'.
9. The new JNDI name is listed.
10. Click on the hyperlink 'eis/DB/FCCDEV'.

**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 outbound connection pool properties

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

**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**  
Save Showing 1 to 8 of 8 Previous | Next

Property Name ↕	Property Type	Property Value	Supports Dynamic Updates
DataSourceName	java.lang.String	jdbc/fcdevOS	false
DefaultWChar	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
UsesNativeSequencing	java.lang.Boolean	true	false
UsesSkipLocking	java.lang.Boolean	true	false
XADataSourceName	java.lang.String		false

Save Showing 1 to 8 of 8 Previous | Next

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11. Click the 'Property Value' field for the 'DataSourceName' and update the application JNDI reference (given in 'fcubs.properties' file) and then press 'Enter' key.
12. Save and restart the Admin server.

## 1.2.6 Configuring JMS Adapter

### 1. Login in to console → Click on JMS Servers→New

The screenshot displays the Oracle WebLogic Server Administration Console. The left sidebar shows the Domain Structure with 'JMS Servers' selected under 'Services'. The main content area shows the 'Summary of JMS Servers' page. A red circle highlights the 'New' button in the 'JMS Servers (Filtered - More Columns Exist)' table. The table lists several JMS servers, including 'BAMAlertEngineJmsServer', 'BAMCQServiceJmsServer\_BAMServer', 'BAMReportCacheJmsServer', 'BAMServerJmsServer\_BAMServer', 'BPMJMSJmsServer', 'SOAJMSJmsServer', 'UMSJMSJmsServer\_auto\_1', and 'UMSJMSJmsServer\_auto\_2'. The 'Health' column shows 'OK' for the last three servers.

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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=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
  - Deployments
    - Startup and Shutdown Classes
  - 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)

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

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

Your Deployed Resources

- Deployments

Your Application's Security Settings

- Security Realms

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 domain.

Customize this table

JMS Servers (Filtered - More Columns Exist)

New Delete

Showing 1 to 8 of 8 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	
BPMJMSJmsServer	BPMJMSFileStore	SOAServer	SOAServer	OK
SOAJMSJmsServer	SOAJMSFileStore	SOAServer	SOAServer	OK
UMSJMSJmsServer_auto_1	UMSJMSFileStore_auto_1	BAMServer	BAMServer	
UMSJMSJmsServer_auto_2	UMSJMSFileStore_auto_2	SOAServer	SOAServer	OK

New Delete

Showing 1 to 8 of 8 Previous | Next

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

soa-infra (SOA Infrastruct... x | FC121IQR2 (Oracle Web... x | Create a New JMS Server ... 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=JmsServerCreateJMServer&JmsServerCreateJMServerPortlet\_actionO

ORACLE WebLogic Server Administration Console 12c

Home Log Out Preferences Record Help

Welcome, admin Connected to: AlphaDomain

Home > AlphaDomain > Summary of JMS Servers

Create a New JMS Server

Back Next Finish Cancel

JMS Server Properties

The following properties will be used to identify your new JMS Server.

\* Indicates required fields

What would you like to name your new JMS Server?

Name: FCUBSJMServer

Specify persistent store for the new JMS Server.

Persistent Store: SOAJMSFileStore Create a New Store

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...

- Configure JMS system modules
- Configure custom persistent stores

System Status

Health of Running Servers

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

3. Select the target as SOA Server →Finish

soa-infra (SOA Infrastruct... x | FC121IQR2 (Oracle Web... x | Create a New JMS Server ... x | dev\_domain (Oracle Web... x | Summary of JMS Servers ... x | AlphaDomain (Oracle We... x | +

10.184.135.218:7001/console/console.portal?JmsServerCreateJMServerPortlet\_actionOverride=/com/bea/console/actions/jms/server/createj

ORACLE WebLogic Server Administration Console 12c

Home Log Out Preferences Record Help

Welcome, admin Connected to: AlphaDomain

Home > AlphaDomain > Summary of JMS Servers

Create a New JMS Server

Back Next Finish Cancel

Select targets

Select the server instance or migratable target on which you would like to deploy this JMS Server.

Target: SOAServer

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...

- Configure JMS system modules
- Configure custom persistent stores

System Status

Health of Running Servers

Failed	(0)
Critical	(0)
Overloaded	(0)
Warning	(0)
Failed	(0)



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=JmsServer/JmsServerTablePage

**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)

**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
BanAlertEngineJmsServ	BanAlertEngineJmsFileStore	BAMServer	BAMServer	
BanCQServiceJmsServer_BAMServer	BanCQServiceJmsFileStore_BAMServer	BAMServer	BAMServer	
BanReportCacheJmsServer	BanReportCacheJmsFileStore	BAMServer	BAMServer	
BanServerJmsServer_BAMServer	BanServerJmsFileStore_BAMServer	BAMServer	BAMServer	
BPMJMSJmsServer	BPMJMSFileStore	SOAServer	SOAServer	OK
FCUBSJMSJmsServer	SOAJMSFileStore	SOAServer	SOAServer	OK
SOAJMSJmsServer	SOAJMSFileStore	SOAServer	SOAServer	OK
UMSJMSJmsServer_auto_1	UMSJMSFileStore_auto_1	BAMServer	BAMServer	
UMSJMSJmsServer_auto_2	UMSJMSFileStore_auto_2	SOAServer	SOAServer	OK

New Delete

Showing 1 to 9 of 9 Previous | Next

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#### 4. Go back to Console →JMS Modules→New

soa-infra (SOA Infrastruct... x FC1211QAR2 (Oracle Web... x Home Page - AlphaDomain... 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 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 Module
  - 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

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The screenshot shows the Oracle WebLogic Server Administration Console. The left sidebar contains the Domain Structure tree with 'JMS Modules' selected. The main content area displays the 'Summary of JMS Modules' page. A table lists existing JMS modules, and the 'New' button at the top left of the table is circled in red. The table has columns for 'Name' and 'Type'.

Name	Type
BamAlertEngineJmsSystemModule	System
BamCQServiceJmsSystemResource_BAMServer	System
BamReportCacheJmsSystemModule	System
BamServerJmsSystemResource	System
BPMJMSModule	System
SOAJMSModule	System
UMSAQJMSSystemResource	System
JMSJMSSystemResource	System

5. Create a JMS Module with the Name, FCUBSJMSModule. Click on Next→Select the target as SOA Server→Finish

The screenshot shows the 'Create JMS System Module' wizard in the Oracle WebLogic Server Administration Console. The 'Name' field is populated with 'FCUBSJMSModule'. The 'Descriptor File Name' and 'Location In Domain' fields are empty. The 'Next' button is highlighted.

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:

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:

soa-infra (SOA Infrastruct... x FCL211QAR2 (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?CreateJMSSystemModulePortlet\_actionOverride=/com/bea/console/actions/jms/modules/syste 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)

WebLogic Server Version: 12.1.3.0.0

**Create JMS System Module**  
Back Next Finish Cancel  
The following properties will be used to target your new JMS system module.  
Use this page to select the server or cluster on which you would like to deploy this JMS system module. You can reconfigure targets later if you wish.  
Targets:  
Servers  
AdminServer  
BAMServer  
SOAServer  
Back Next Finish Cancel

soa-infra (SOA Infrastruct... x FCL211QAR2 (Oracle Web... x Settings for FCUBSJMSModule... 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**  
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...**  
No task help found.

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

**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  
Name Type JNDI Name Subdeployment Targets  
There are no items to display  
New Delete Showing 0 to 0 of 0 Previous Next

## 6. Go back to JMS Modules→FCUBSJMSModule→New

The screenshot shows the Oracle WebLogic Server Administration Console. The left sidebar contains the 'Domain Structure' tree and 'System Status'. The main content area displays the 'Settings for FCUBSJMSModule' page. The 'Configuration' tab is active, showing the 'Name' as 'FCUBSJMSModule' and the 'Descriptor File Name' as 'jms/FCUBSJMSModule-jms.xml'. Below this, there is a 'Summary of Resources' table with columns for Name, Type, JNDI Name, Subdeployment, and Targets. The table is currently empty, showing 'There are no items to display'.

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

The screenshot shows the Oracle WebLogic Server Administration Console. The left sidebar contains the 'Domain Structure' tree and 'System Status'. The main content area displays the 'Create a New JMS System Module Resource' page. The 'Connection Factory' option is selected under 'Choose the type of resource you want to create.' The page includes a list of resource types with their descriptions: Connection Factory, Queue, Topic, Distributed Queue, Distributed Topic, Foreign Server, Quota, Destination Sort Key, JMS Template, SAF Imported Destinations, and Remote SAF Context.

**ORACLE WebLogic Server Administration Console 12c**

Home Log Out Preferences Record Help

Welcome, weblogic Connected to: FC1411NSTEST

**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 FCUBS3HSMModule.

\* Indicates required fields

What would you like to name your new connection factory?

Name: FCUBS3HSMConnectionFactory

What JNDI Name would you like to use to look up your new connection factory?

JNDI Name: jndiFCUBS3HSMConnectionFactory

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

Should the authenticated user name be attached to sent messages if the JMS destination is configured to support this behavior?

☐ Attach JMSK UserID

Back Next Finish Cancel

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

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**ORACLE WebLogic Server Administration Console 12c**

Home Log Out Preferences Record Help

Welcome, admin Connected to: AlphaDomain

**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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**ORACLE WebLogic Server Administration Console 12c**

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

Home > Summary of JMS Modules > FCUBS3JMSModule > Summary of JMS Modules > FCUBS3JMSModule > FCUBS3ConnectionFactory > Summary of JMS Modules > FCUBS3JMSModule > 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: (none) **Create a New Subdeployment**

What targets do you want to assign to this subdeployment?

Targets:

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...**  
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 > FCUBS3JMSModule > Summary of JMS Modules > FCUBS3JMSModule > FCUBS3ConnectionFactory > Summary of JMS Modules > FCUBS3JMSModule > 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  
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)

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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  
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  
--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]

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  
[ ] BPHJMServer  
[x] FCUBSJMServer  
[ ] SOAJMServer  
[ ] UMSJMServer\_auto\_2

[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

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...  
No task help found.

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

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	FCUBSJMServer

[New] [Delete] Showing 1 to 1 of 1 Previous | Next

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The screenshot shows the Oracle WebLogic Server Administration Console. The left sidebar contains the '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', and 'Store-and-Forward Agents'. 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 includes tabs for 'Configuration', 'Subdeployments', 'Targets', 'Security', and 'Notes'. The 'Configuration' tab is active, displaying general information about the JMS system module. It shows the 'Name' as 'FCUBSJMSModule' and the 'Descriptor File Name' as 'jms/FCUBSJMSModule-jms.xml'. Below this is a 'Summary of Resources' table with columns for 'Name', 'Type', 'JNDI Name', 'Subdeployment', and 'Targets'. The table lists 'FCUBSConnectionFactory' as a 'Connection Factory' with JNDI Name 'jndi/FCUBSConnectionFactory', Subdeployment 'FCUBS', and Targets 'FCUBSJMSModule'. The bottom of the console shows the 'WebLogic Server Version: 12.1.3.0.0' and copyright information.

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

The screenshot shows the 'Create a New JMS System Module' wizard in the Oracle WebLogic Server Administration Console. The left sidebar is the same as in the previous screenshot. The main content area is titled 'Create a New JMS System Module' and includes a 'Use these pages to create resources in a JMS system module, such as queues, topics, templates, and connection factories.' section. Below this is a list of resource types with radio buttons: 'Connection Factory', 'Queue' (selected), 'Topic', 'Distributed Queue', 'Distributed Topic', 'Foreign Server', 'Quota', 'Destination Sort Key', 'JMS Template', 'SAF Imported Destinations', 'Remote SAF Context', and 'SAF Error Handling'. Each resource type has a brief description and a 'More Info...' link. At the bottom of the wizard are 'Back', 'Next', 'Finish', and 'Cancel' buttons. The bottom of the console shows the 'WebLogic Server Version: 12.1.3.0.0' and copyright information.

10. 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



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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
  - 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)

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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:**

**JMS Servers**

- ☐ BPMJMServer
- ☒ FCUBSJMServer
- ☐ SOAJMServer
- ☐ UMSJMServer\_auto\_2

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...**

- 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 > FCUBSConnectionFactory > 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 queue MDB\_QUEUE\_RESPONSE with JNDI name as jms/MDB\_QUEUE\_RESPONSE, queue eis/jms/ORGateway with JNDI name as eis/jms/ORGateway, and queue FAULT\_QUEUE\_RESPONSE with JNDI name as jms/FAULT\_QUEUE\_RESPONSE as above in console within FCUBSJMSModule.(Follow step 8-9 in 1.2.6)
12. Go to Console→Deployment→JmsAdapter→Configuration→Outbound Connection Pool→Expand oracle.tip.adapter.jms.IJmsConnectionFactory→New→Provide JNDI as 'eis/Queue/Notif'→next→Finish

soa-infra (SOA Infrastruct... x FC121IQAR2 (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						
OK						
	DMS Application (12.1.3.0.0)	Active	OK	Web Application	AdminServer, BAMServer, SOAServer	5
	em	Active	OK	Enterprise Application	AdminServer	400
	FCUBSAppILUT (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
	JmsAdapter, Level 1, 19 of 46	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
	OracleBPMACServerApp	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&AppApplicationPortletHandle=com.bea.console.handles.AppDeploymentHandle("com.bea.Name=JmsAdapter,Type=AppDeployment")

soa-infra (SOA Infrastruct... x FC1211QAR2 (Oracle Web... x Settings for JmsAdapter - ... x dev\_domain (Oracle Web... x Summary of JMS Servers ... x AlphaDomain (Oracle We... x +

10.184.135.218:7001/console/console.portal?\_pageLabels=ConnectorApplicationConfigurationOutboundConnectionPoolPage&\_nfpb=true&\_i Google

**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)

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

**Settings for JmsAdapter**  
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**  
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/aqjms/EDNLocalTxDurableTopic	oracle.tp.adapter.jms.IJmsConnectionFactory
[-] eis/aqjms/EDNLocalTxTopic	oracle.tp.adapter.jms.IJmsConnectionFactory
[-] eis/aqjms/EDNxaDurableTopic	oracle.tp.adapter.jms.IJmsConnectionFactory
[-] eis/aqjms/EDNxaTopic	oracle.tp.adapter.jms.IJmsConnectionFactory
[-] eis/aqjms/Queue	oracle.tp.adapter.jms.IJmsConnectionFactory
[-] eis/aqjms/Topic	oracle.tp.adapter.jms.IJmsConnectionFactory
[-] eis/foranomaq/Topic	oracle.tp.adapter.jms.IJmsConnectionFactory
[-] eis/jbossmq/Queue	oracle.tp.adapter.jms.IJmsConnectionFactory
[-] eis/jms/aaB2BQueueCF	oracle.tp.adapter.jms.IJmsConnectionFactory
[-] eis/jms/aaErrorTopicCF	oracle.tp.adapter.jms.IJmsConnectionFactory
[-] eis/jramatq/Queue	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/webphermq/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

soa-infra (SOA Infrastruct... x FC1211QAR2 (Oracle Web... x Create a New Outbound ... 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&\_pageLabels=ConnectorCreateOutboundConnectionPage 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 outbound connection pool properties

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

Home > FCUBSJMSModule > placeholder > 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.tp.adapter.jms.IJmsConnectionFactory

Showing 1 to 1 of 1 Previous | Next

Back Next Finish Cancel

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soa-infra (SOA Infrastruct... x FC1211QAR2 (Oracle Web... x Create a New Outbound ... x dev\_domain (Oracle Web... x Summary of JMS Servers ... x AlphaDomain (Oracle We... x +

10.184.135.218:7001/console/console.portal?ConnectorCreateOutboundConnectionPortlet\_actionOverride=/com/bean/console/actions/conn

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 outbound connection pool properties

System Status

Health of Running Servers

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

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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

soa-infra (SOA Infrastruct... x FC1211QAR2 (Oracle Web... x Settings for JmsAdapter - ... x dev\_domain (Oracle Web... x Summary of JMS Servers ... x AlphaDomain (Oracle We... x +

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

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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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

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/aqjms/EDNLocalTxDurableTopic	oracle.tp.adapter.jms.IJmsConnectionFactory
eis/aqjms/EDNLocalTxTopic	oracle.tp.adapter.jms.IJmsConnectionFactory
eis/aqjms/EDNxuDurableTopic	oracle.tp.adapter.jms.IJmsConnectionFactory
eis/aqjms/EDNxuTopic	oracle.tp.adapter.jms.IJmsConnectionFactory
eis/aqjms/Queue	oracle.tp.adapter.jms.IJmsConnectionFactory
eis/aqjms/Topic	oracle.tp.adapter.jms.IJmsConnectionFactory
eis/florantoma/Topic	oracle.tp.adapter.jms.IJmsConnectionFactory
eis/jbossmq/Queue	oracle.tp.adapter.jms.IJmsConnectionFactory
eis/jms/jaiaB2BQueueCF	oracle.tp.adapter.jms.IJmsConnectionFactory
eis/jms/jaiaErrorTopicCF	oracle.tp.adapter.jms.IJmsConnectionFactory
eis/jramat/Queue	oracle.tp.adapter.jms.IJmsConnectionFactory
eis/Queue/Notif	oracle.tp.adapter.jms.IJmsConnectionFactory
eis/summq/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/ivebspheremq/Queue	oracle.tp.adapter.jms.IJmsConnectionFactory
eis/wls/EDNLocalTxDurableTopic	oracle.tp.adapter.jms.IJmsConnectionFactory
eis/wls/EDNLocalTxTopic	oracle.tp.adapter.jms.IJmsConnectionFactory
eis/wls/EDNxuDurableTopic	oracle.tp.adapter.jms.IJmsConnectionFactory
eis/wls/EDNxuTopic	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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13. Click on the Outbound connection pool with **eis/Queue/Notif** and enter the connection factory location as **jndi/FCUBSConnectionFactory**→press Enter and Save

The screenshot shows the Oracle WebLogic Server Administration Console. The left sidebar contains the 'Change Center' with 'View changes and restarts' and 'Domain Structure'. The 'Domain Structure' shows a tree view with 'AlphaDomain' expanded, showing 'Environment', 'Servers', 'Clusters', 'Coherence Clusters', 'Machines', 'Virtual Hosts', 'Work Managers', 'Startup and Shutdown Classes', 'Deployments', 'Services', 'Messaging', 'JMS Servers', and 'Store and Forward Agents'. The 'How do I...' section has a link to 'Configure outbound connection pool properties'. The 'System Status' section shows 'Health of Running Servers' with a bar chart indicating 'Failed (0)', 'Critical (0)', 'Overloaded (0)', 'Warning (0)', and 'OK (2)'. The main content area shows the 'Settings for oracle.tip.adapter.jms.DmsConnectionFactory'. The 'Properties' tab is selected, showing a table of properties for the 'Outbound Connection Pool'. The table has columns: 'Property Name', 'Property Type', 'Property Value', and 'Supports Dynamic Updates'. The 'ConnectionFactoryLocation' property is highlighted, showing its value as 'jndi/FCUBSConnectionFactory'. The 'Save' button is visible at the bottom of the table.

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

The screenshot shows the Oracle WebLogic Server Administration Console after saving the configuration. The 'Messages' section displays a green checkmark and the text: '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.' The 'Settings for oracle.tip.adapter.jms.DmsConnectionFactory' tab is still selected, showing the same table of properties as the previous screenshot. The 'Save' button is visible at the bottom of the table.

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

## 14. Go to console → Deployments → JMS adapter → Update → Next → Next → finish

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
FCUBSAppUIT (12.1.0.0.0)	Active	Warning	Enterprise Application	AdminServer	600
FileAdapter	Active	OK	Resource Adapter	SOAServer	321
frevvo	Active	OK	Enterprise Application	SOAServer	100
FtpAdapter	Active	OK	Resource Adapter	SOAServer	325
GWWWebServices (12.1.0.0.0)	Active	OK	Enterprise Application	SOAServer	600
JDEWorldAdapter	Installed		Resource Adapter		333

Highlight All Match Case

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 > FCUBSModule > 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/fmw/12c3/soa/soa/connectors/Plan1.xml [Change Path](#)

☒ Redeploy this application using the following deployment files:

**Source path:** /scratch/app/oracle/product/fmw/12c3/soa/soa/connectors/JmsAdapter.rar [Change Path](#)

**Deployment plan path:** /scratch/app/oracle/product/fmw/12c3/soa/soa/connectors/Plan1.xml [Change Path](#)

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

**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  
Virtual Hosts  
Work Managers  
Startup and Shutdown Classes  
Deployments  
Services  
Messaging  
JMS Servers  
Store-and-Forward Agents

**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)

**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 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
JMS Application (12.1.3.0.0)	Active	OK	Web Application	AdminServer, BAMServer, SOAServer	5

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



## 1.2.7 Configuring FTP Adapter

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

The screenshot shows the Oracle WebLogic Server Administration Console. The left sidebar contains the 'Change Center' with 'View changes and restarts', 'Domain Structure' (AlphaDomain, Environment, Deployments, Services, Security Realms, Interoperability, Diagnostics), 'How do I...' (Configure outbound connection pool properties), and 'System Status' (Health of Running Servers: Failed (0), Critical (0), Overloaded (0), Warning (0), OK (2)). The main content area is titled 'Settings for FtpAdapter' and has tabs for Overview, Deployment Plan, Configuration, Security, Targets, Control, Testing, Monitoring, and Notes. The 'Configuration' tab is active, and the 'Outbound Connection Pools' sub-tab is selected. A table titled 'Outbound Connection Pool Configuration Table' displays a list of connection pools. The table has two columns: 'Groups and Instances' and 'Connection Factory Interface'. The table shows several entries, including 'javax.resource.cd.ConnectionFactory' and various 'eis/ftp/FtpAdapter' instances. The bottom of the console shows the 'WebLogic Server Version: 12.1.3.0.0' and copyright information.

The screenshot shows the 'Create a New Outbound Connection' wizard in the Oracle WebLogic Server Administration Console. The left sidebar is identical to the previous screenshot. The main content area is titled 'Create a New Outbound Connection' and has buttons for 'Back', 'Next', 'Finish', and 'Cancel'. The 'JNDI name for Outbound Connection Instance' section is active, showing a text input field with the value 'eis/ftp/FtpAdapterLcl'. Below the input field, there is a note: 'The Outbound Connection instance represents a connection pool. The JNDI name can be used to obtain the pool at runtime.' The bottom of the console shows the 'WebLogic Server Version: 12.1.3.0.0' and copyright information.

2. Add JNDI name as eis/ftp/FtpAdapterLcl
3. Click finish and save.

### 1.2.7.1 BIP Interactive reports configuration

The Following set of instructions can be followed if the BPEL needs to be configured with BIP interactive reports

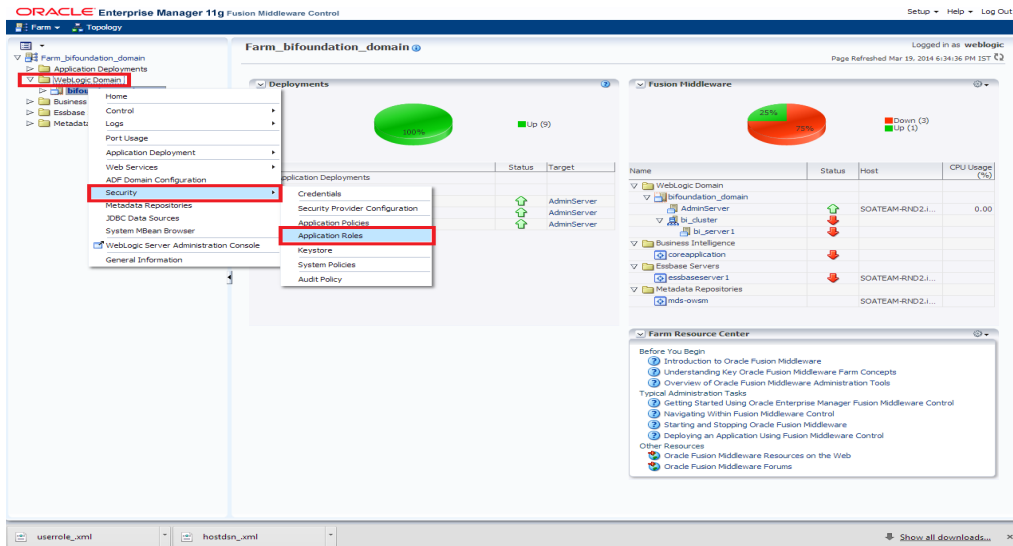
1. Login to the BIP domain console, <http://s:<hostname>:<port>/console>.
2. Follow the step 1.2.1 to add the “FCJCustomProvider”.

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.

The screenshot shows the Oracle WebLogic Server Administration Console. The left sidebar contains navigation menus for 'Change Center', 'Domain Structure', 'How do I...', and 'System Status'. The 'Domain Structure' menu has 'Security Realms' highlighted. The main content area is titled 'Settings for myrealm' and has tabs for 'Configuration', 'Users and Groups', 'Roles and Policies', 'Credential Mappings', 'Providers', and 'Migration'. The 'Users and Groups' tab is active, and the 'Users' sub-tab is selected. A message states: '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.' Below this is a table titled 'Users' with columns 'Name', 'Description', and 'Provider'. The table lists several users, all with 'FCJCustomProvider' as the provider. The footer of the console displays 'WebLogic Server Version: 10.3.6.0' and copyright information.

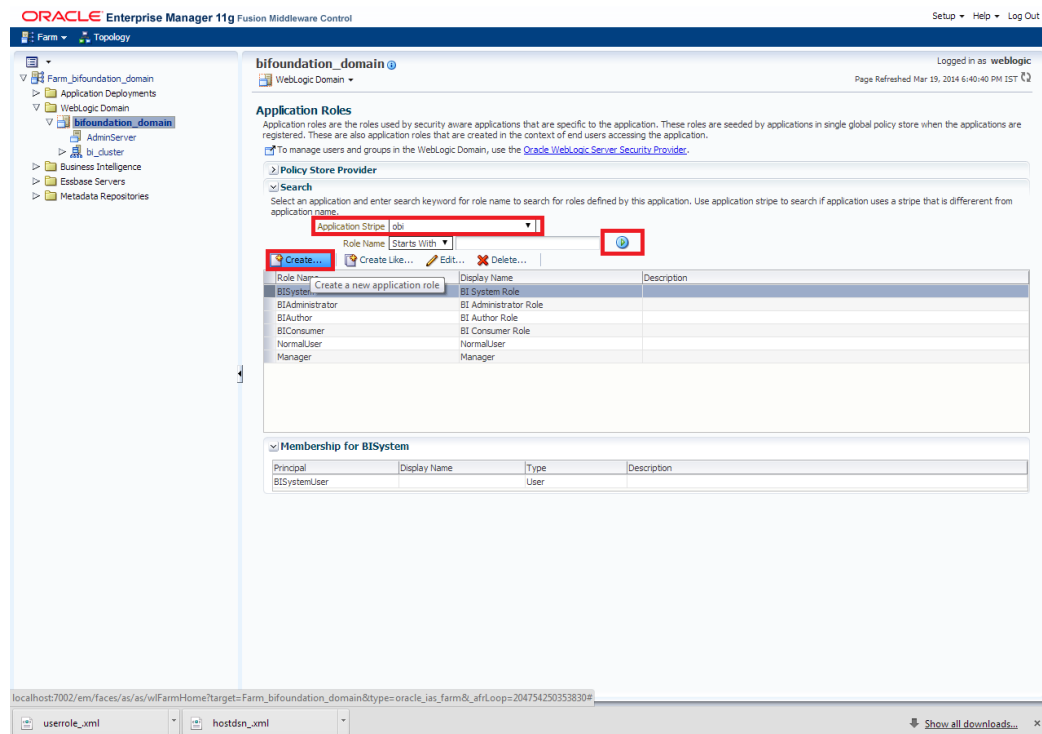
Name	Description	Provider
000ANT1	Default Admin User 1	FCJCustomProvider
11113RM_3	Siveta	FCJCustomProvider
11113RM_4	RM	FCJCustomProvider
112233	Default Admin User 10	FCJCustomProvider
121212	Default Admin User 10	FCJCustomProvider
123456	SANKER GS	FCJCustomProvider
141414	Default Admin User 10	FCJCustomProvider
15259A03	Kumar	FCJCustomProvider
1M20862	BALA	FCJCustomProvider
20862A1	Bala	FCJCustomProvider

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

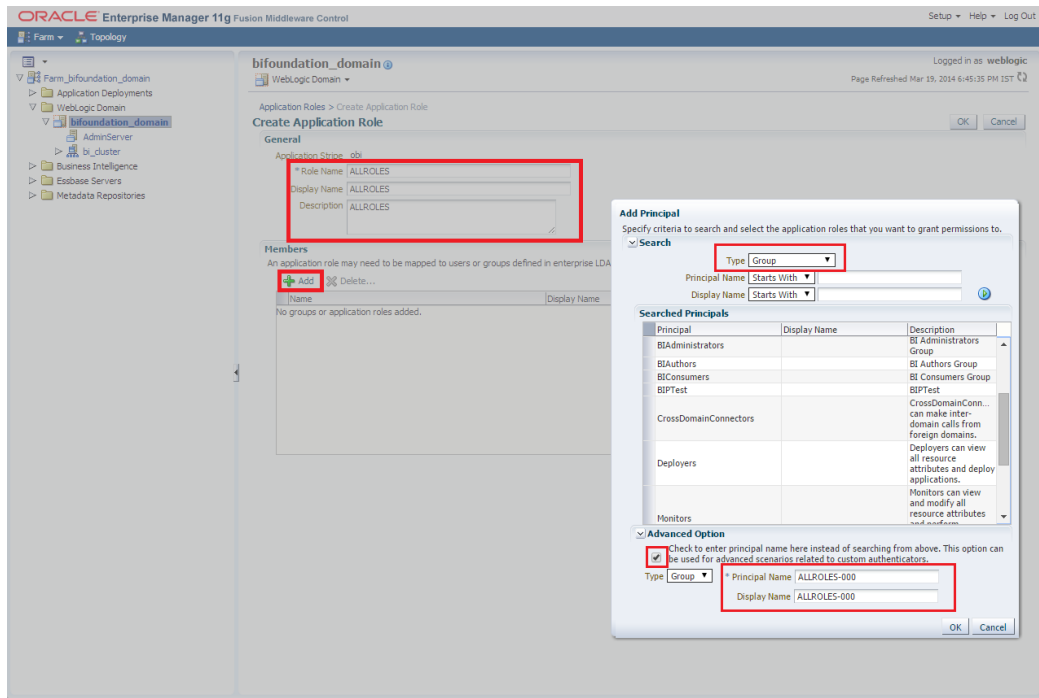


4. After navigating to next screen as in below screenshot,

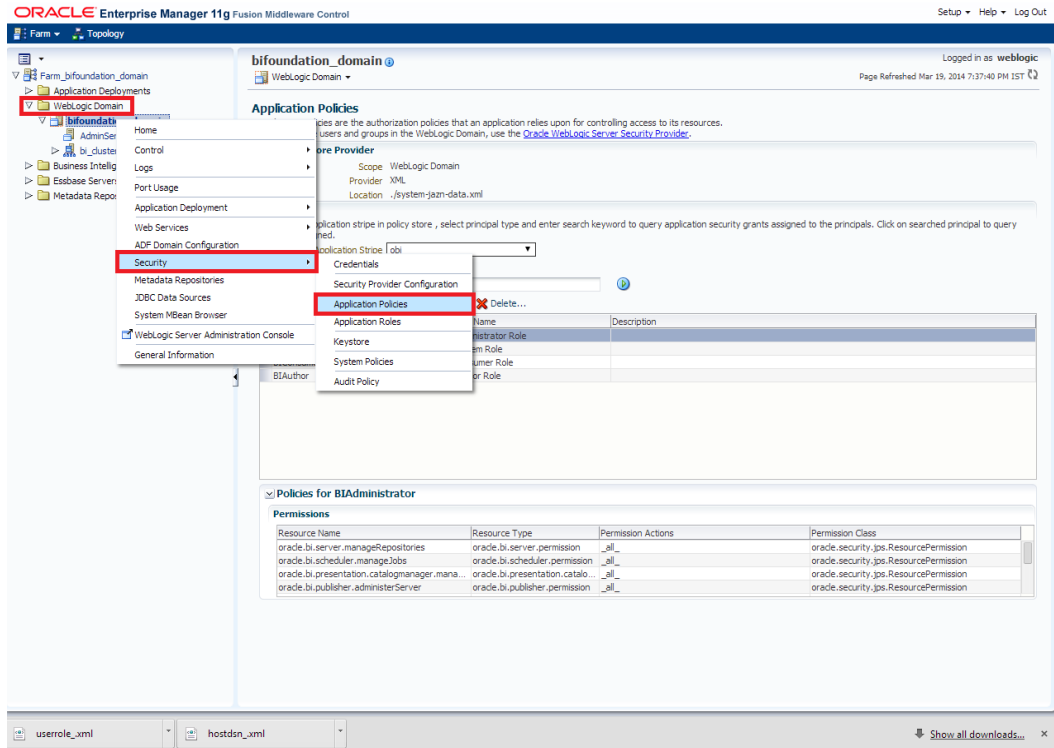
- Select application stripe as obi
- Click on the search button
- Click on create button to add a role



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.

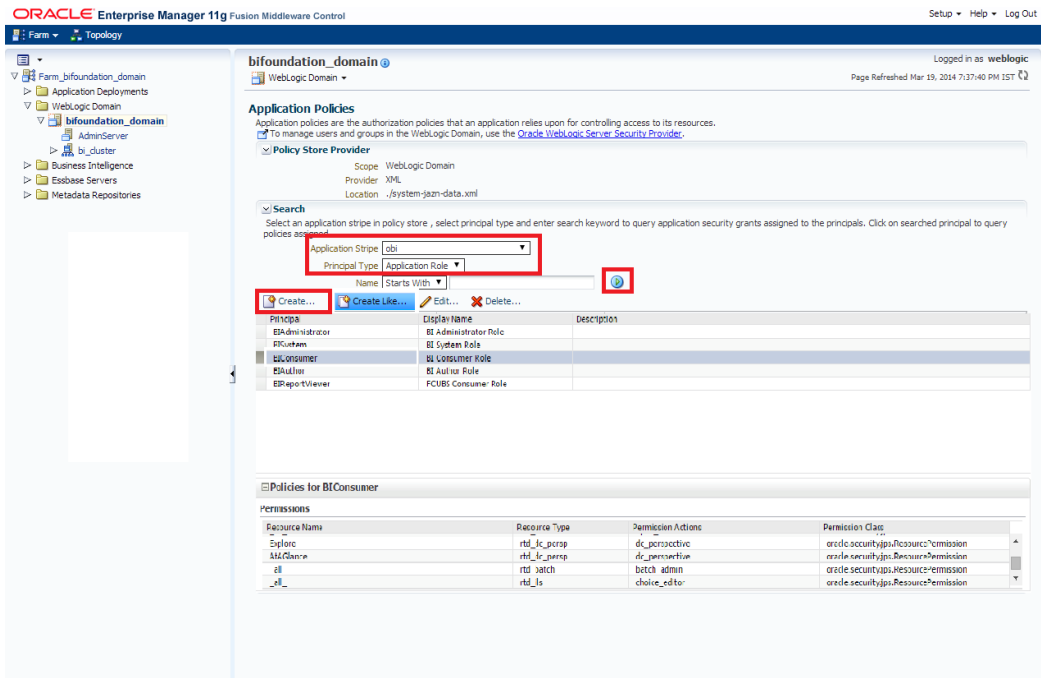


6. After getting information message like “A new role added successfully”, then again
  - Right click on the domain(in which BI suite is installed) under the weblogic domain
  - Go to security and then navigate to application polices

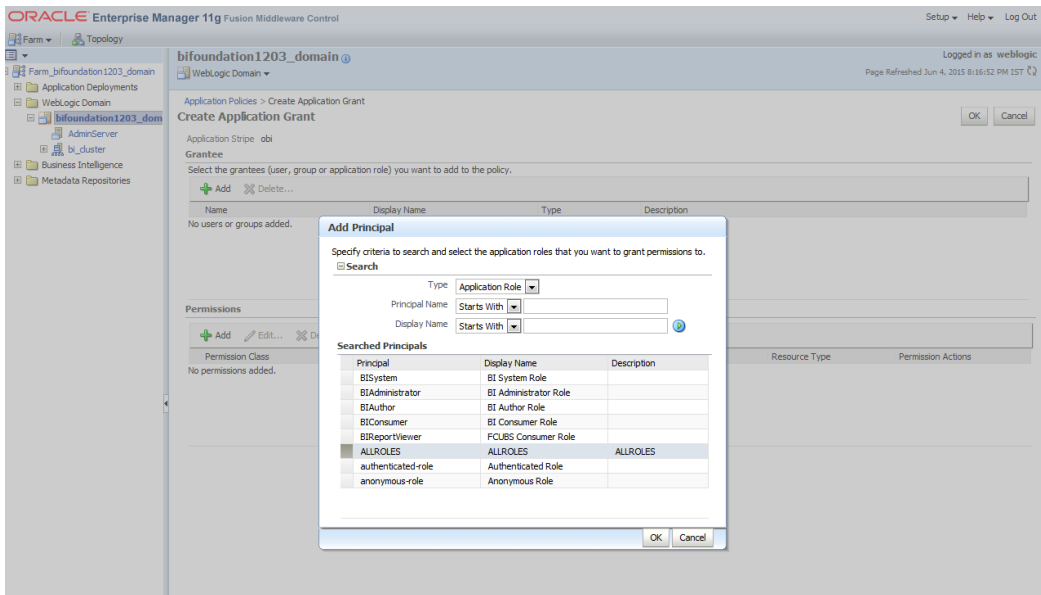


7. After navigating to next screen as per screen shot,

- 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.

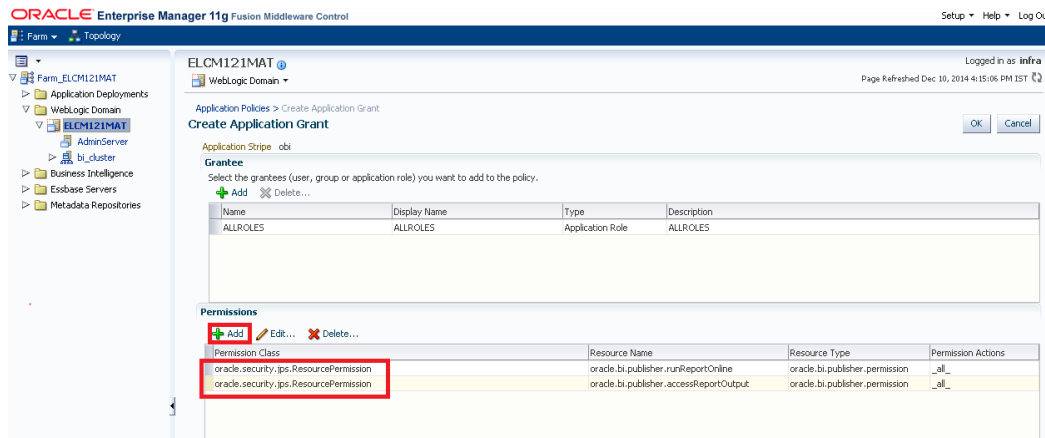


8. After navigating to next screen as per the screen shot,
  - Click on Add button , a new window “Add Principal” will be launched.
  - Select Type as “Application Role” and click on the search button
  - From the list select the role that has been created earlier in application role screen and click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



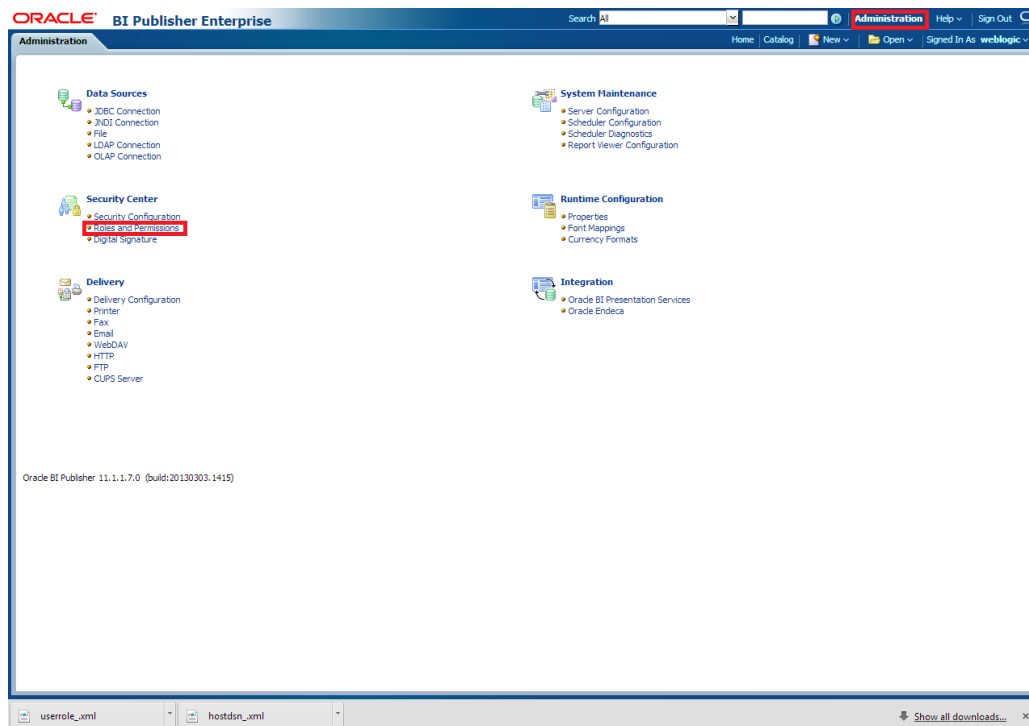
- Click Add button under Permissions and add the two permissions one by one as mentioned below.

- oracle.bi.publisher.runReportOnline
- oracle.bi.publisher.accessReportOutput

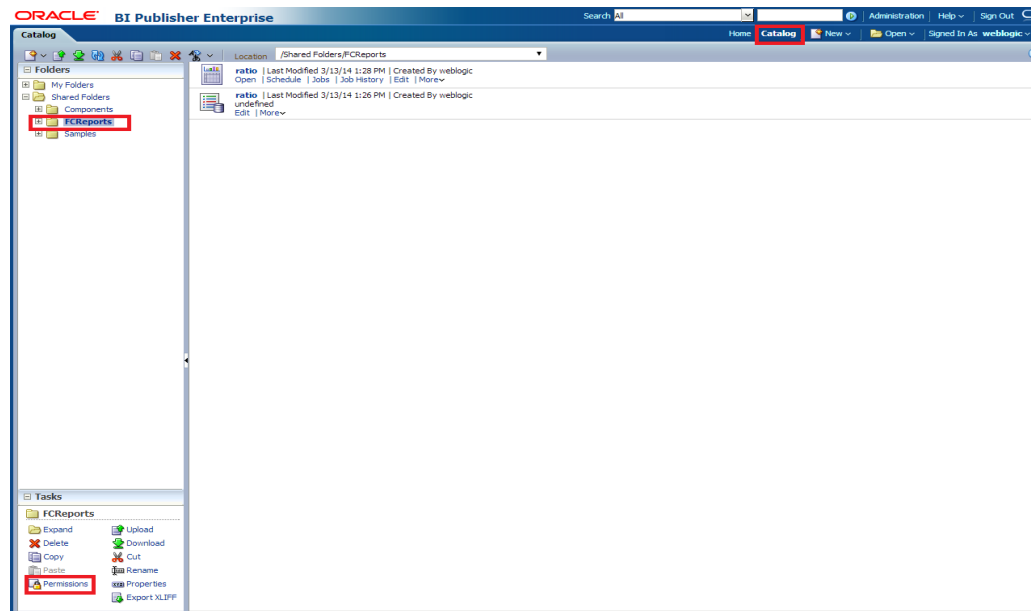


9. After getting information message like “A security added successfully”,

- Login into the BIPublisher , <http://s:<hostname>:<port>/xmlpserver>
- 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.

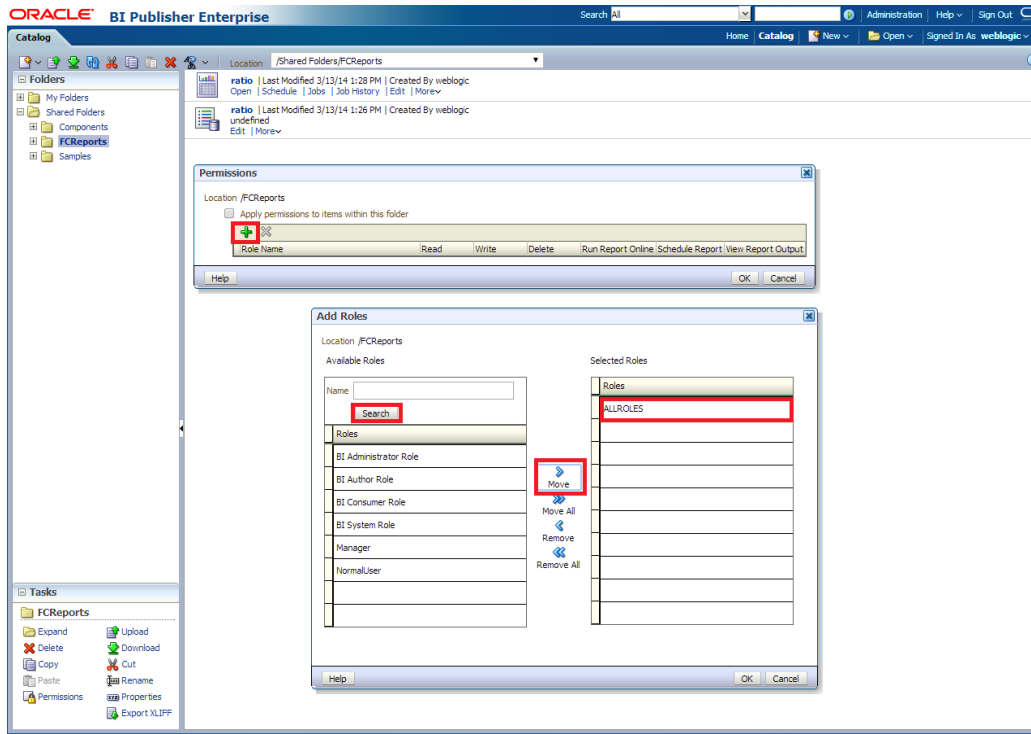


10. Then click on the Catalog , then on the folder that has been created , and then on permissions

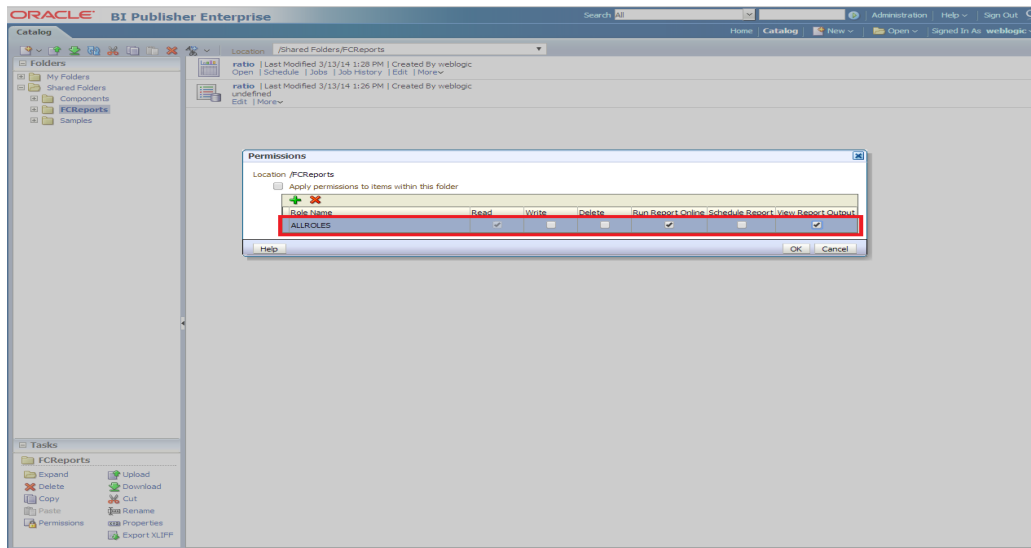


11. After clicking on the permissions, a new window will pop up, delete all the roles if any present on click of permissions, then click on Add button, and then click on search button in “Add Roles” window that is launched newly and select the role that has been created and click on move button and click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



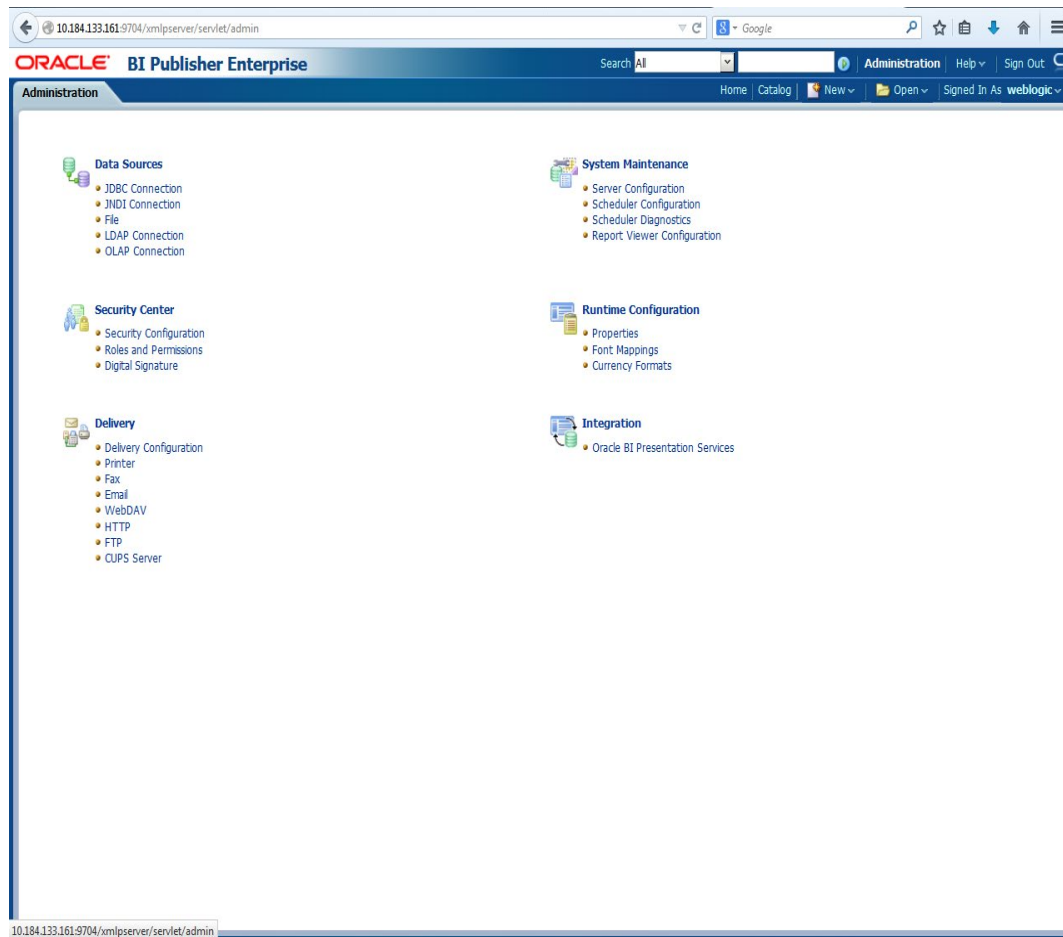
Now the reports in the folder will be accessed accordingly based on the roles.

**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/xmlsoa/ser/vlet/adm/datasource/connectionhome?vcoe=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 6

Data Source Name	Connection String	Delete
dema	jdbc:oracle:thin:@10.184.149.52:1521:SOADB	
FCI202UBS	jdbc:oracle:thin:@10.184.132.144:1521:KD12NEW	
FCI21DEV	jdbc:oracle:thin:@10.184.132.144:1521:KD12NEW	
FCBIP	jdbc:oracle:thin:@10.184.154.149:1521:ORFC12C	
FCOR121DEV	jdbc:oracle:thin:@10.184.154.149:1521:ORFC12C	
FCOR121JUT	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	
fcubsef1202	jdbc:oracle:thin:@10.184.149.52:1521:SOADB	

Add Data Source Previous 1-10 of 16 Next 6

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:** ☐ (unchecked)
- Username:** DEV12C\_SOAINFRA
- Password:** [masked]
- Pre Process Function:** [empty]
- Post Process Function:** [empty]
- Use Proxy Authentication:** ☐ (unchecked)
- Test Connection:** [button]

**Backup Data Source Section:**

- Use Backup Data Source:** ☐ (unchecked)
- 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 two main sections: 'Backup Data Source' and 'Security'.

**Backup Data Source Section:**

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

**Security Section:**

- Allow Guest Access:** ☐ (unchecked)
- 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

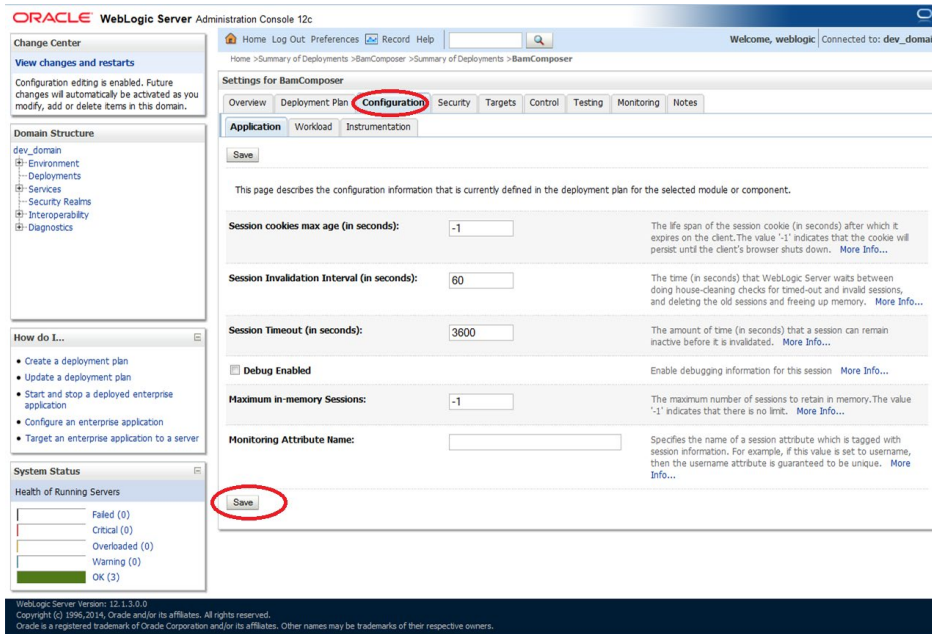
### 1.2.8 BAM Report Configuration settings

1. The Following set of instructions can be followed if the BPEL need to be configured with BAM reportsGenerate a deployment plan for BAM Composer Application.
2. Login in to console <http://hostname:port/console>
3. Click on Deployments→click on BAM Composer

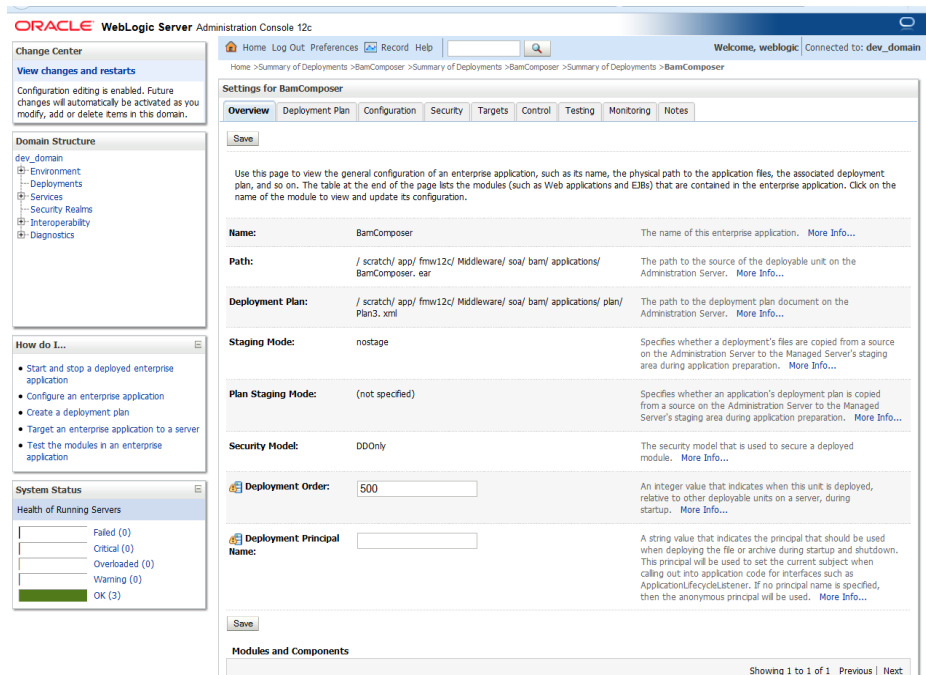
The screenshot shows the Oracle WebLogic Server Administration Console. The main area displays the 'Summary of Deployments' page. On the left, the 'Domain Structure' tree is visible, with 'Deployments' selected. The 'Deployments' table lists various applications, including 'BAMComposer', which is highlighted with a red circle. The table columns are Name, State, Health, Type, Targets, and Deployment Order.

Name	State	Health	Type	Targets	Deployment Order
AgAdapter	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

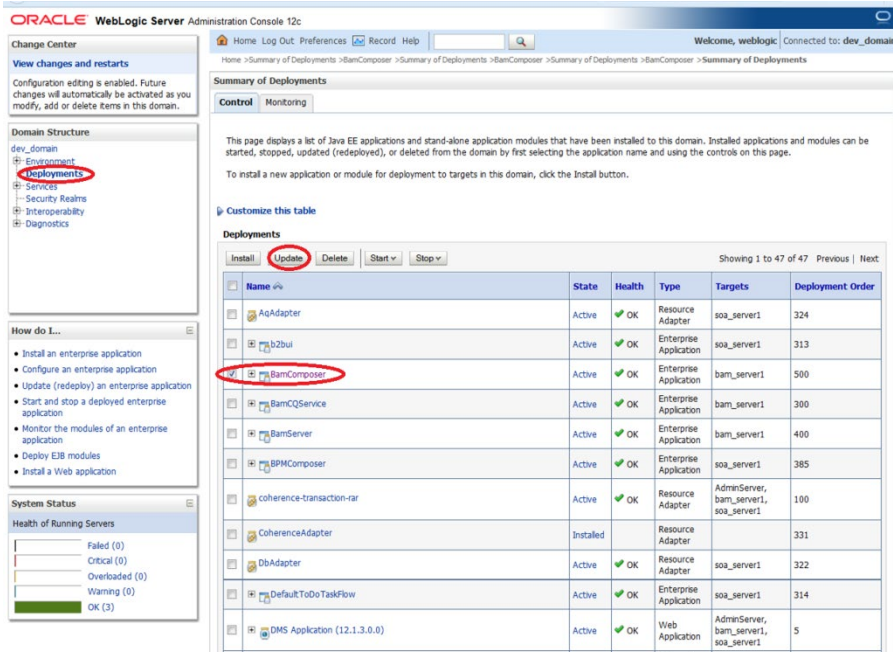
## 7. Stop the BAM composer application in console.

The screenshot shows the Oracle JDeveloper console with the 'Deployments' table. The table lists various applications and their status. The 'BAMComposer' application is highlighted with a red circle. A context menu is open over the 'BAMComposer' row, showing three options: 'When work completes', 'Force Stop Now', and 'Stop, but continue servicing administration requests'. The 'Force Stop Now' option is also highlighted with a red circle.

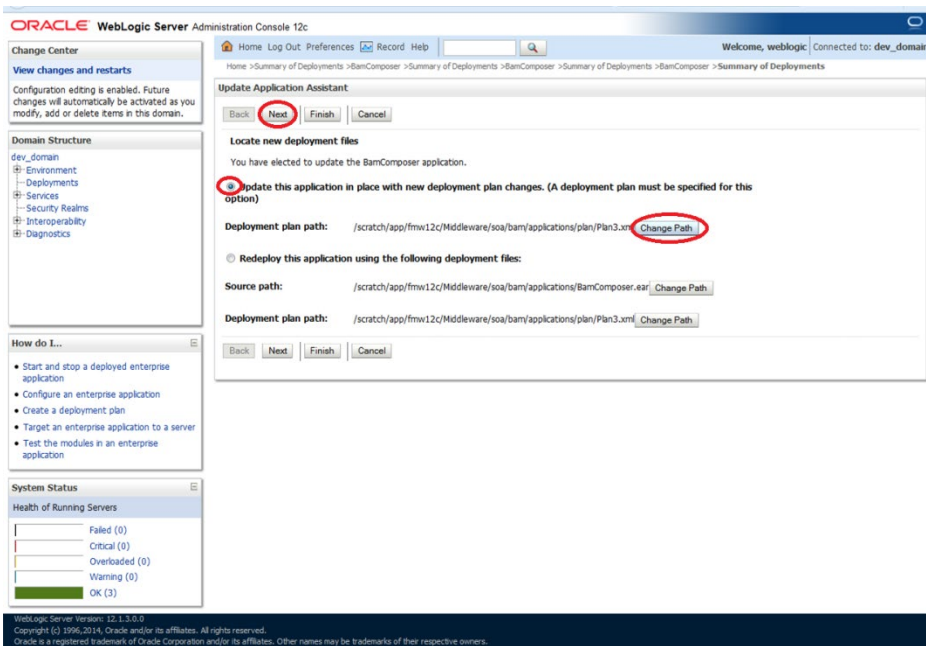
Name	Health	Type	Targets	Deployment Order
AaAdapter	Active	Resource Adapter	soa_server1	324
b2bui	Active	Enterprise Application	soa_server1	313
<b>BAMComposer</b>	Active	Enterprise Application	bam_server1	500
BAMCQService	Active	Enterprise Application	bam_server1	300
BAMServer	Active	Enterprise Application	bam_server1	400
BPMComposer	Active	Enterprise Application	soa_server1	385
coherence-transaction-rar	Active	Resource Adapter	AdminServer, bam_server1, soa_server1	100
CoherenceAdapter	Installed	Resource Adapter		331
DbAdapter	Active	Resource Adapter	soa_server1	322
DefaultToDoTaskFlow	Active	Enterprise Application	soa_server1	314
DMS Application (12.1.3.0.0)	Active	Web Application	AdminServer, bam_server1, soa_server1	5
em	Active	Enterprise Application	AdminServer	400
FOUSAppJUT (12.1.0.0.0)	Active	Enterprise Application	soa_server1	600
FOUSAppSoaEmb (12.1.0.0.0)	Prepared	Enterprise Application	soa_server1	601
FileAdapter	Active	Resource Adapter	soa_server1	321
frevo	Installed	Enterprise Application		100
ftmAdapter	Active	Resource	soa_server1	325

## 8. Update the deployment plan.

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

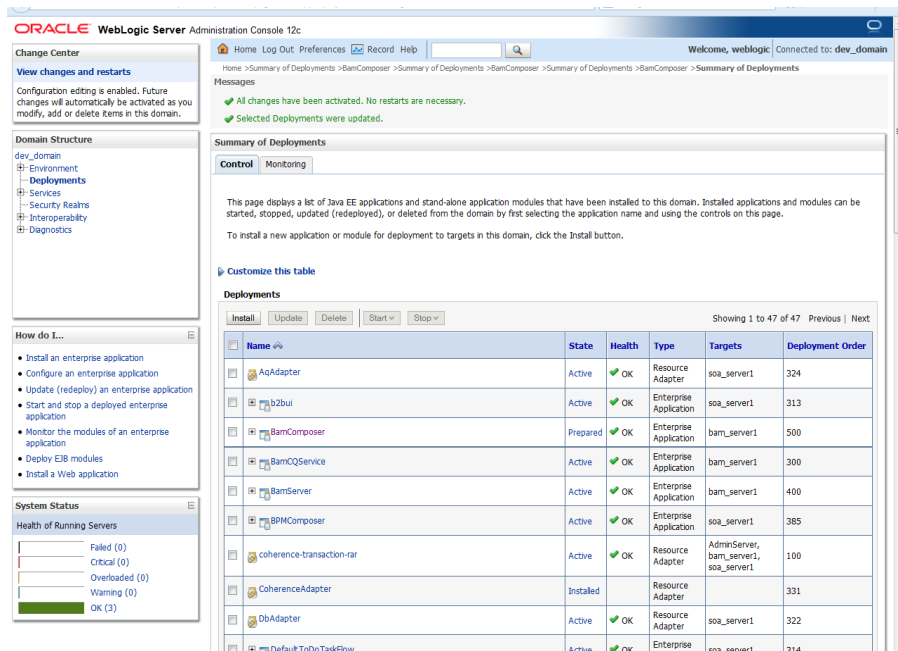
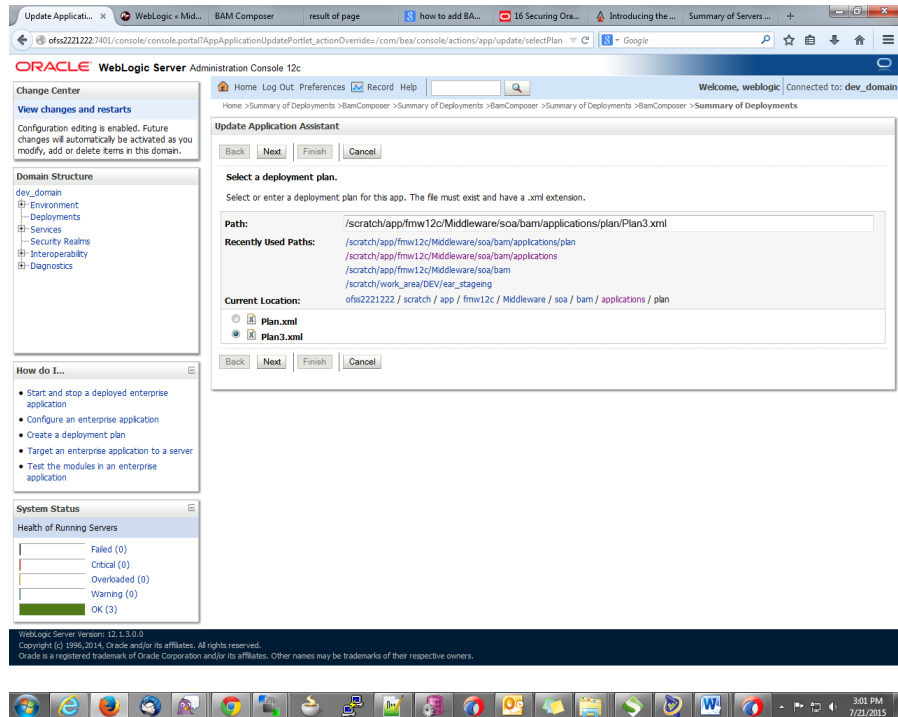


10. Select the Update this application in place with new deployment plan changes and click on change path button.

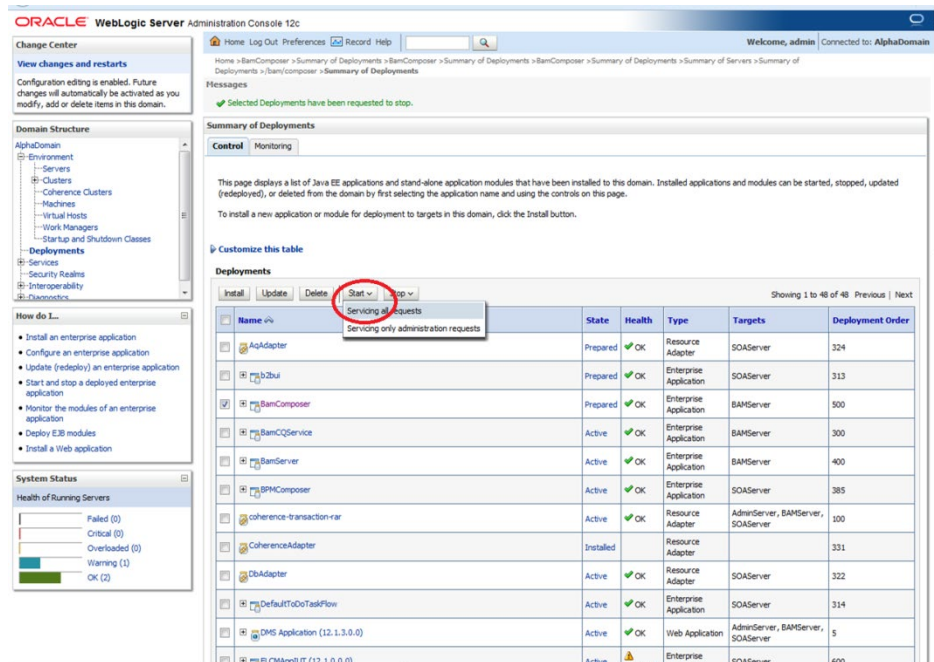


11. Select the latest plan.xml in the in the path→next→next→Finish



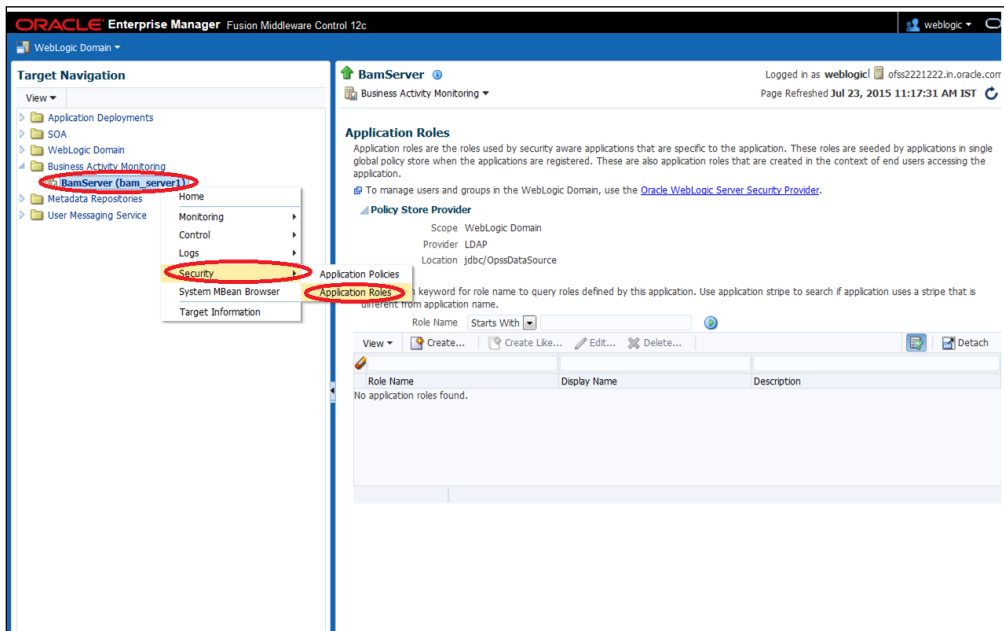


12. Restart the BAM Composer application in the console

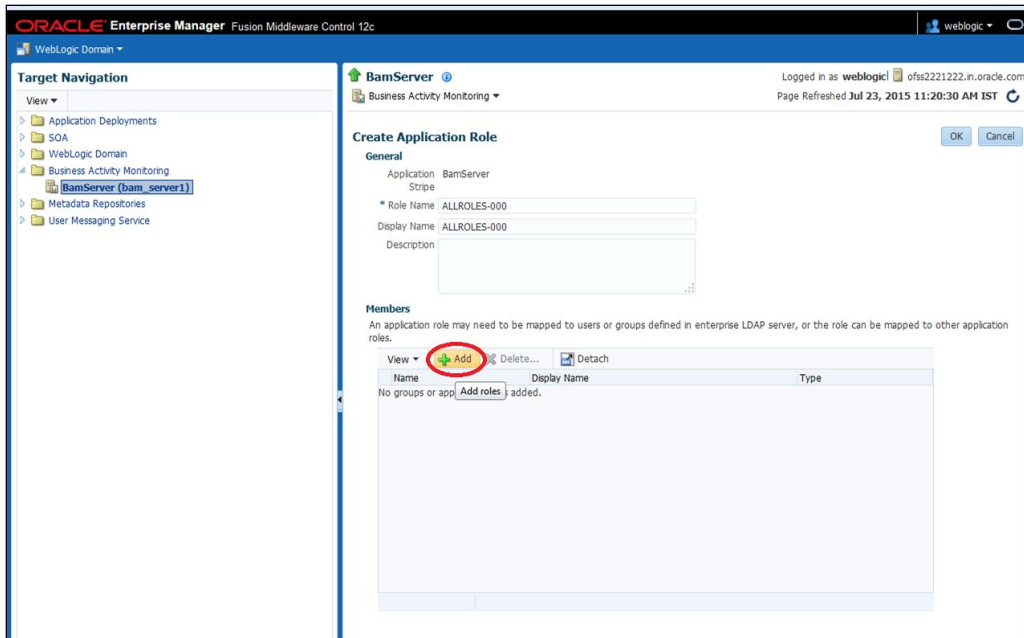


13. Login in to em console <http://hostname:port/em>

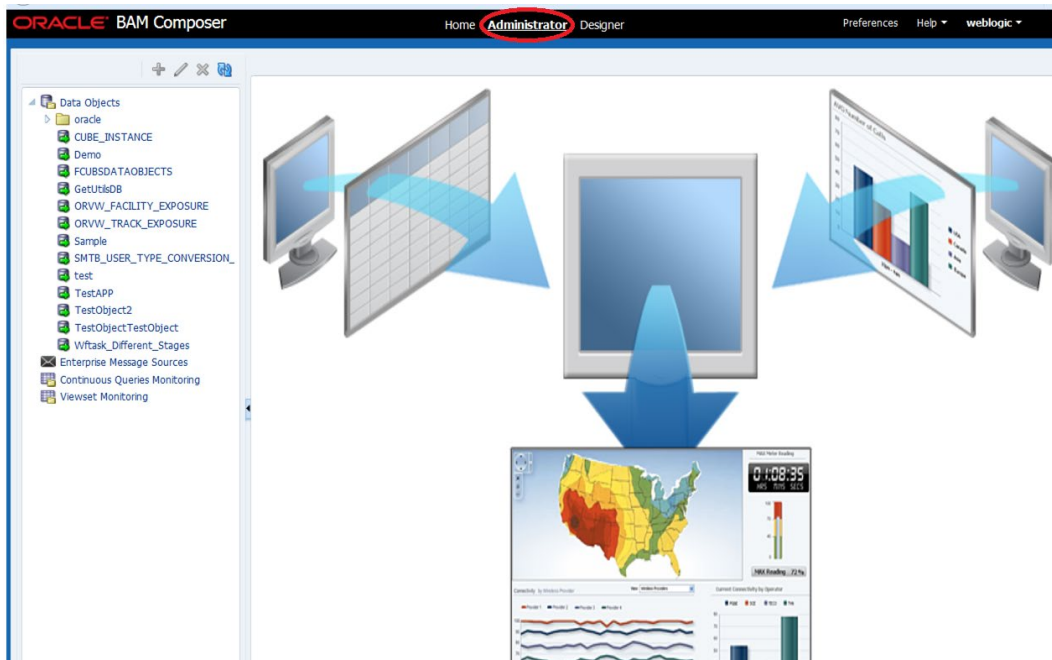
14. Right Click on BAM Server → Security → Application Roles



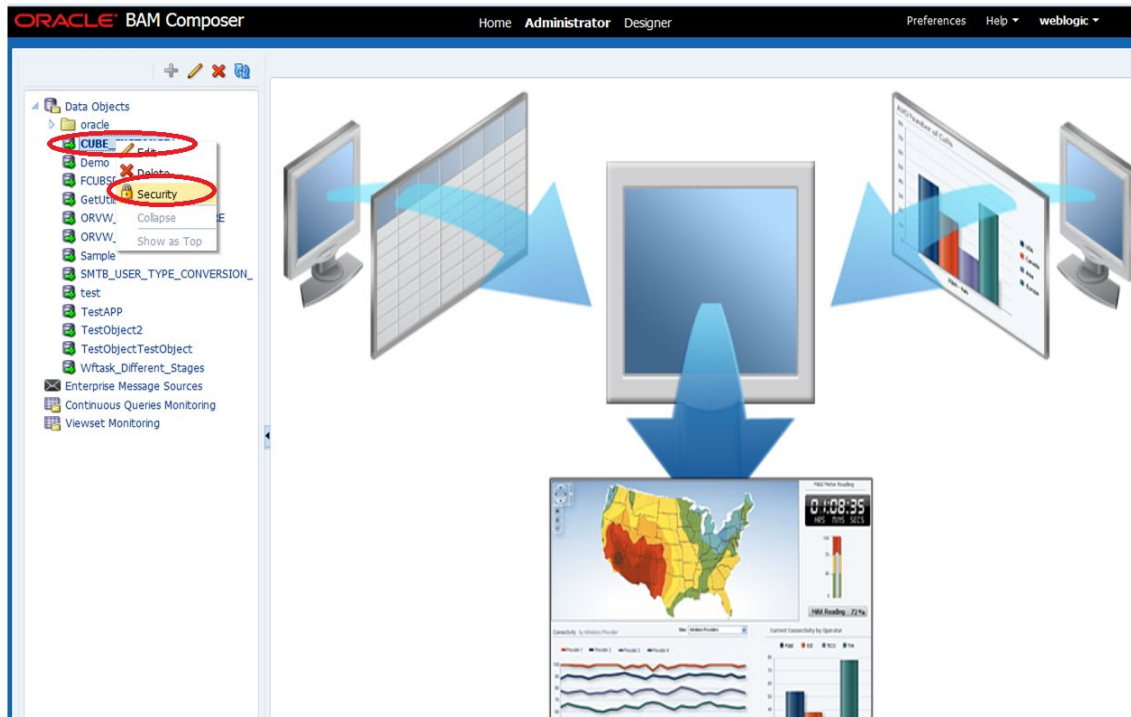
15. Click on Create → create application role with ALL ROLES-000 → Click on ADD button in the Members



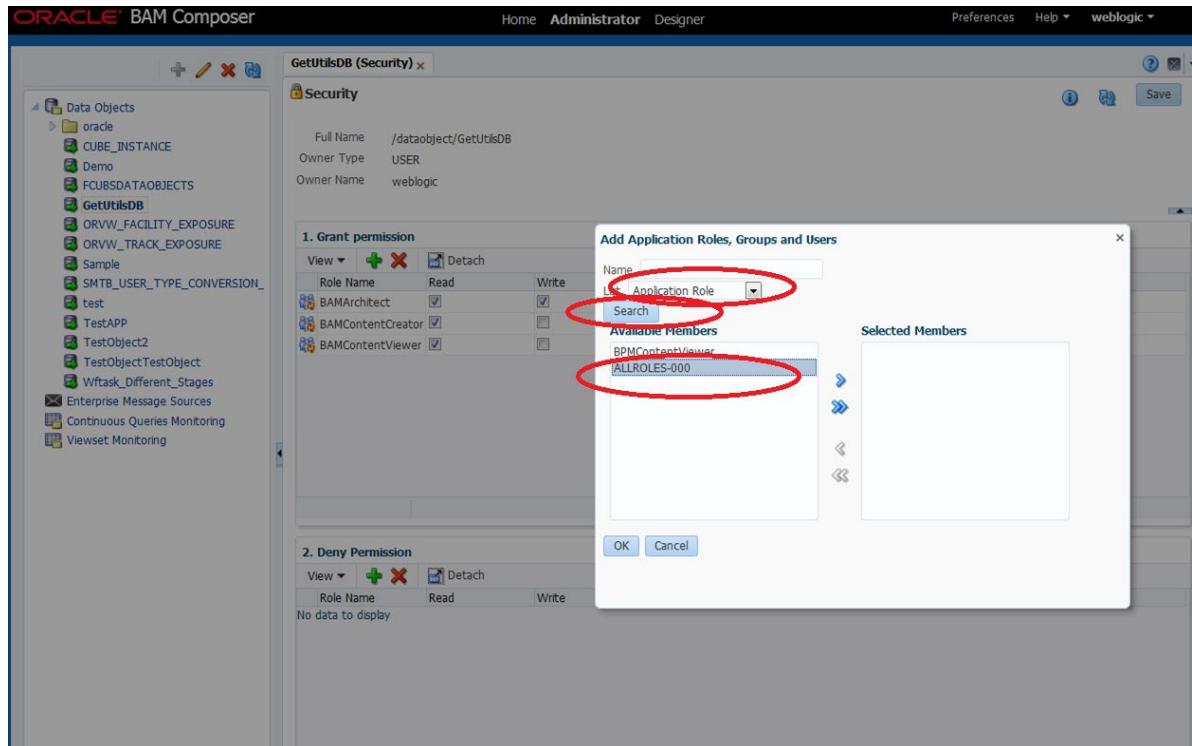
16. Select the Type as Group and add principle details be referring the below screen shot.
17. Login to BAM Composer → <http://hostname:port/bam/composer-->> Click on Administrator.



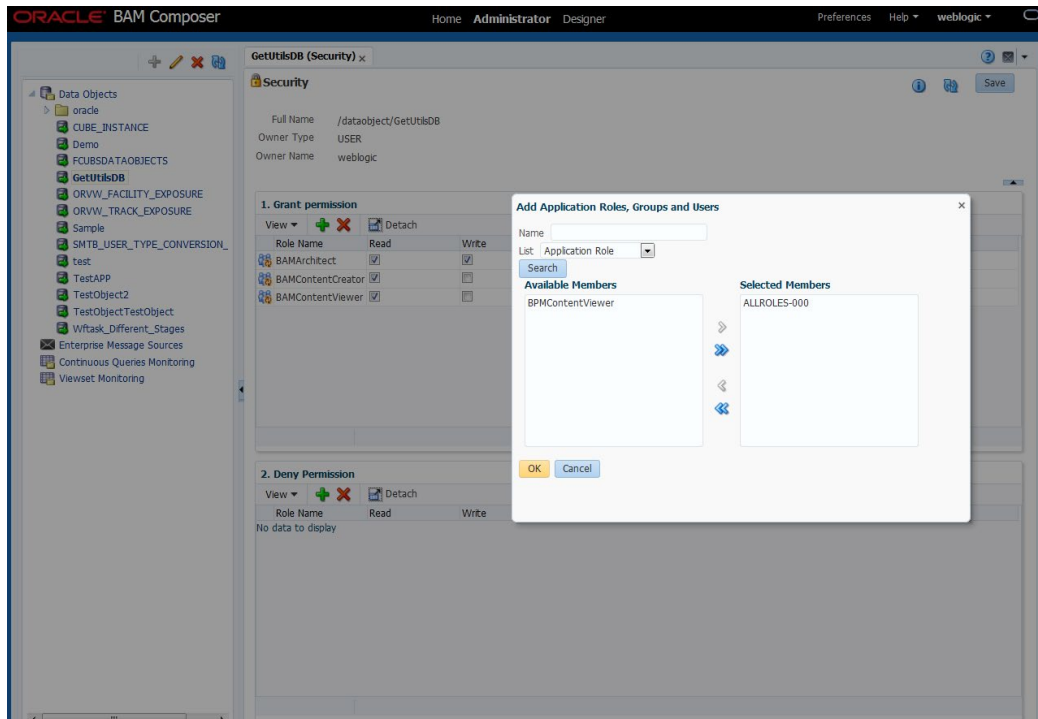
18. Go to Data Object→Right Click on CUBE\_INSTANCE→Security



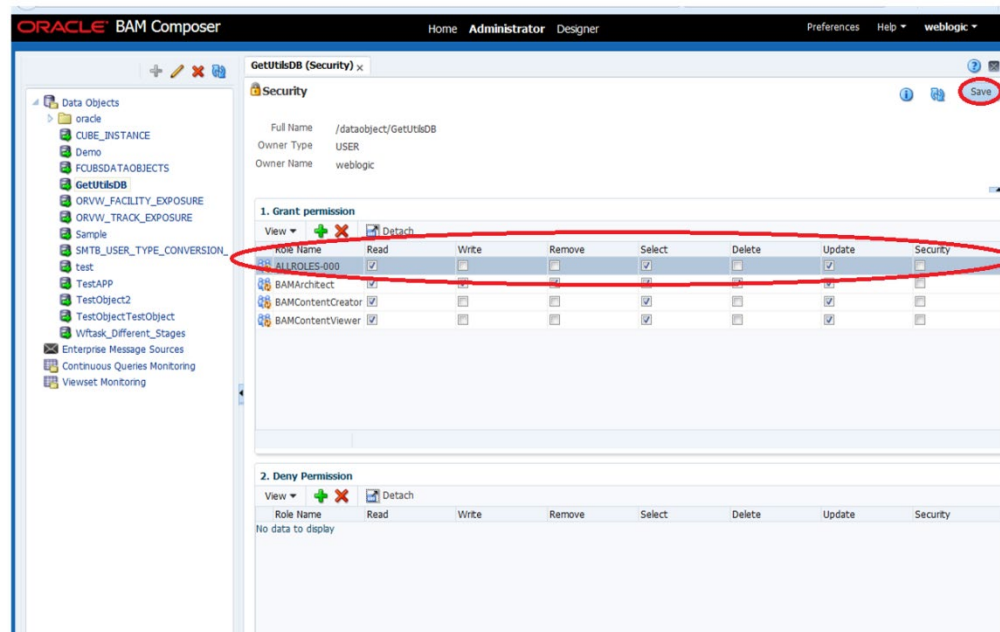
19. Click on Add button under Grant permission and search the list based on the Application Role



20. Move the ALLROLES-000 to Selected members.

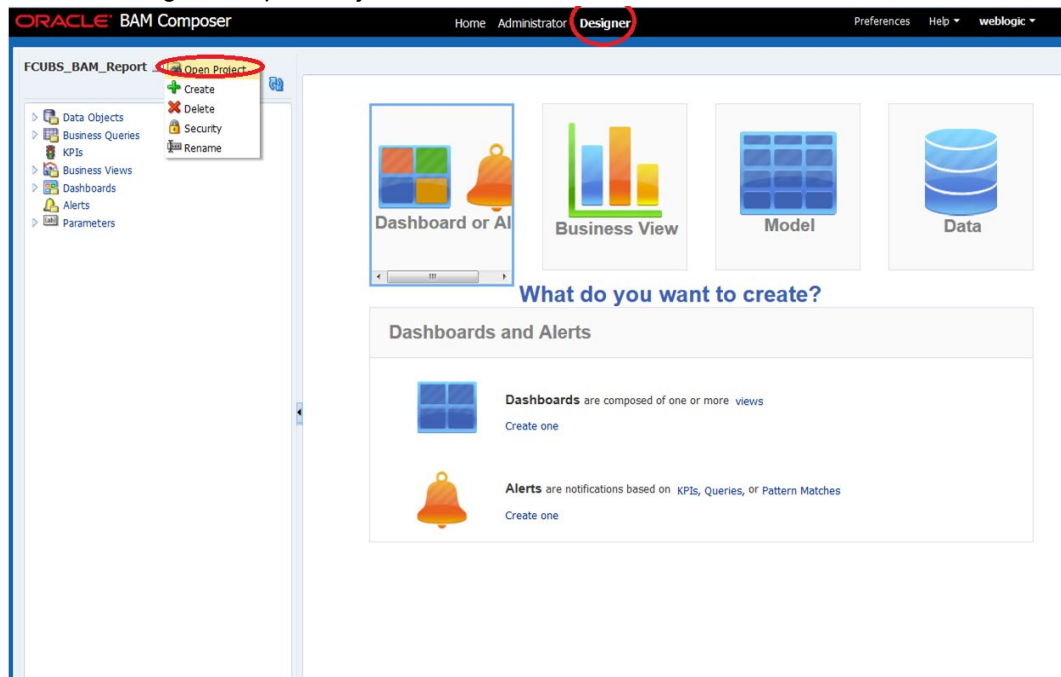


21. Click on read, select and Update check boxes → Click on Save.

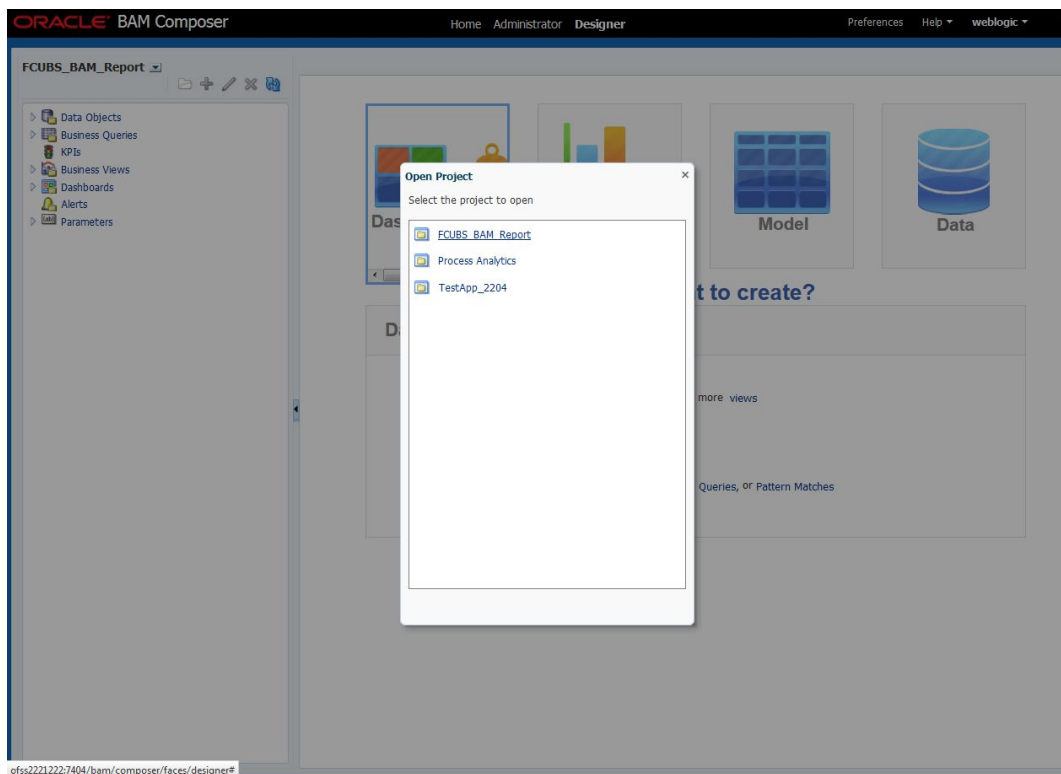


22. Follow the step 17 to 21 for other Data objects also.(cube\_instance,wftask\_different\_stages, ORVW\_TRACK\_EXPOSURE, ORVW\_FACILITY\_EXPOSURE, GetUtilsDB, SMTB\_USER\_TYPE\_CONVERSION\_VIEW, FCUBSDATAOBJECTS).

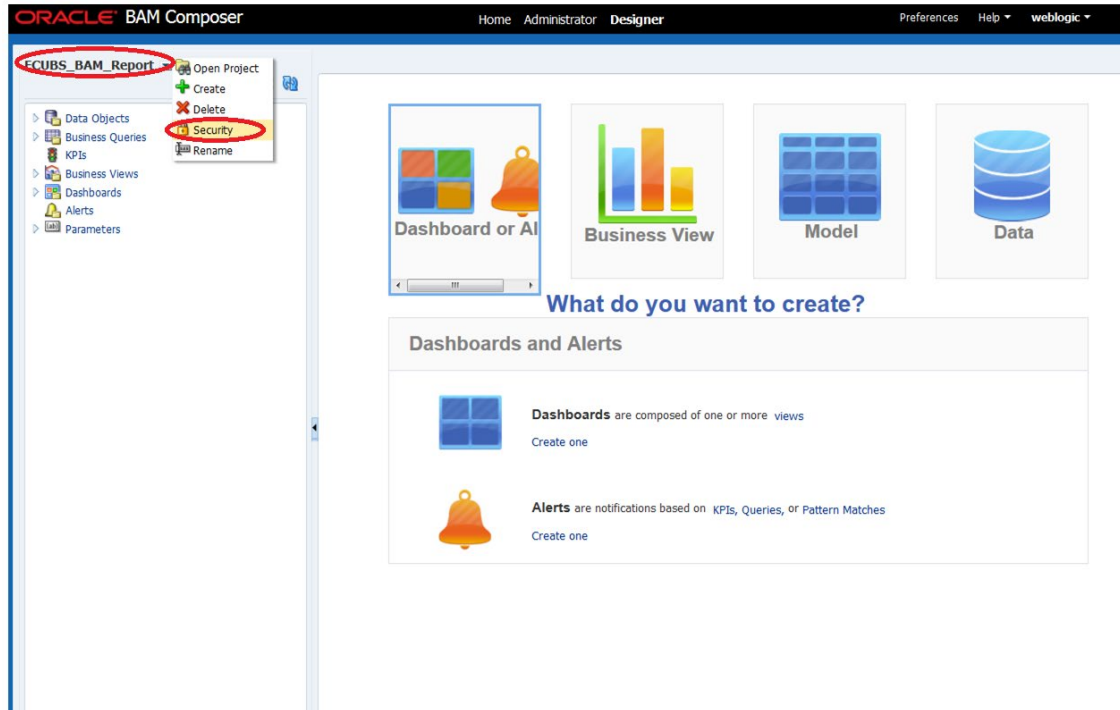
23. Click on Designer → open Project



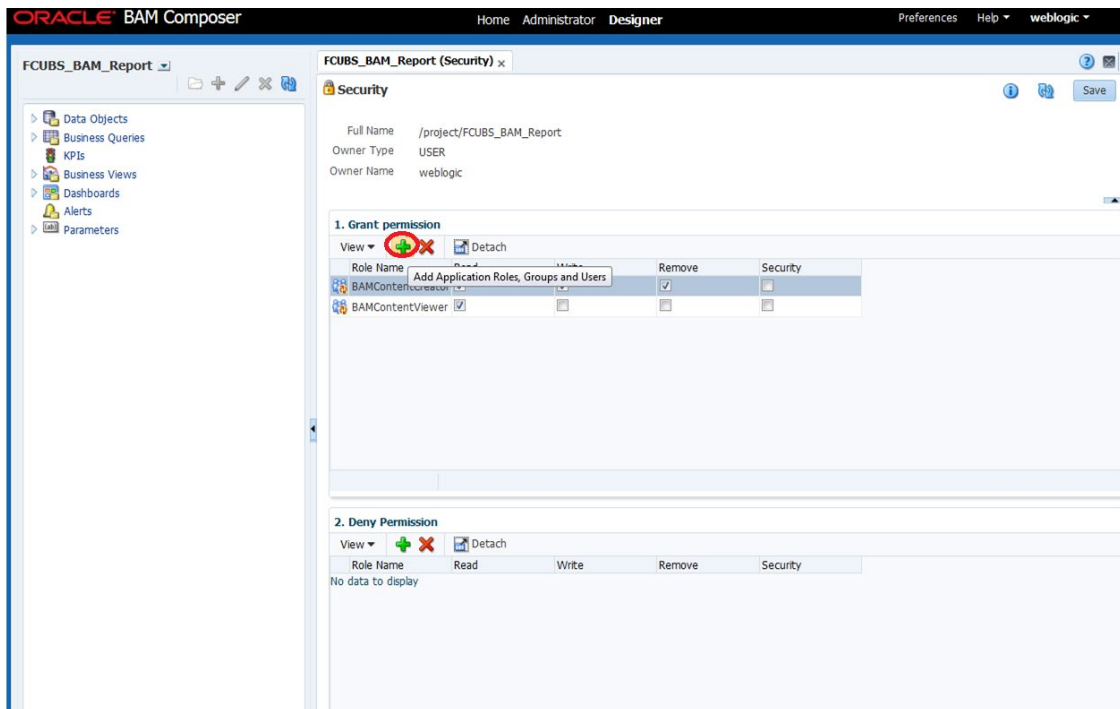
24. Click on FCUBS\_BAM\_report



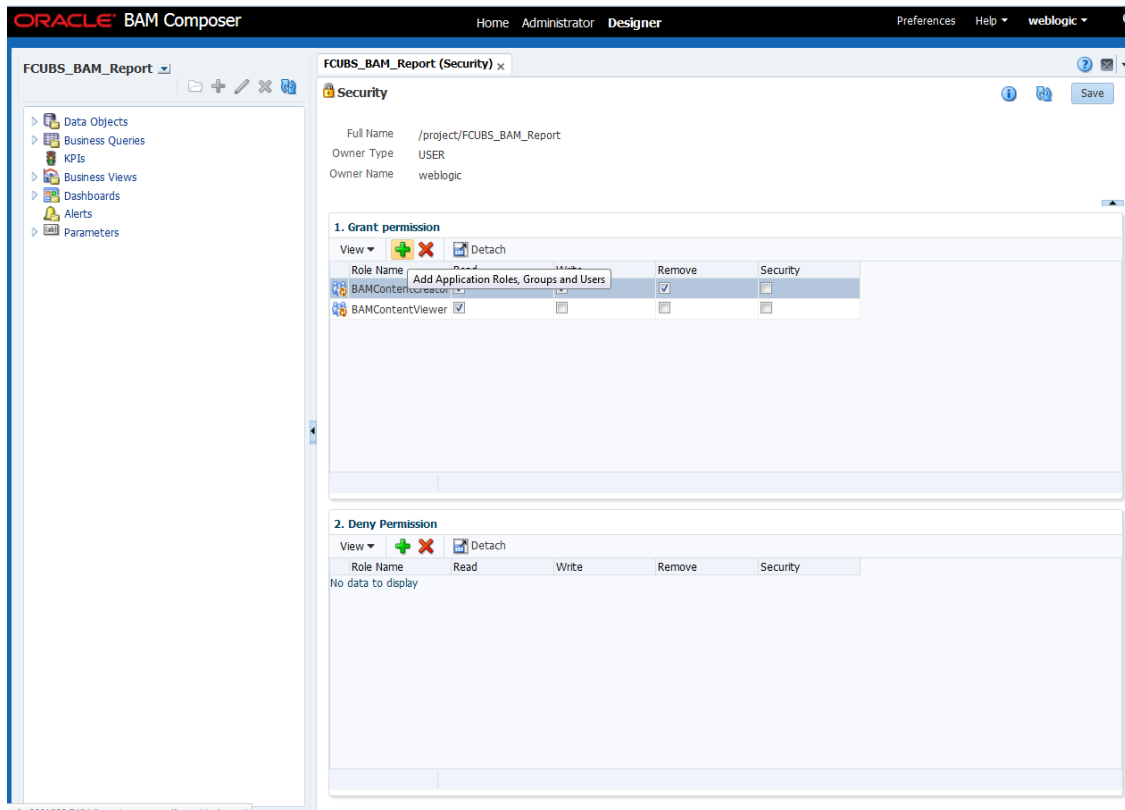
25. click on FCUBS\_BAM\_Report → Security



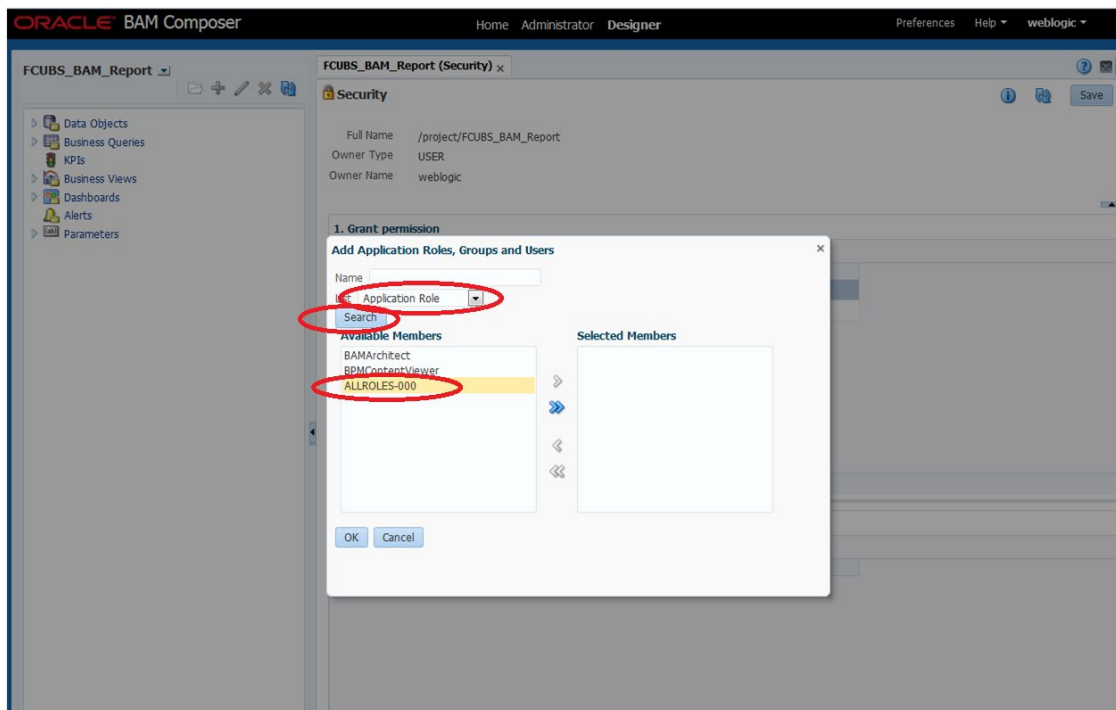
26. Click on ADD button Under Grant Permission.





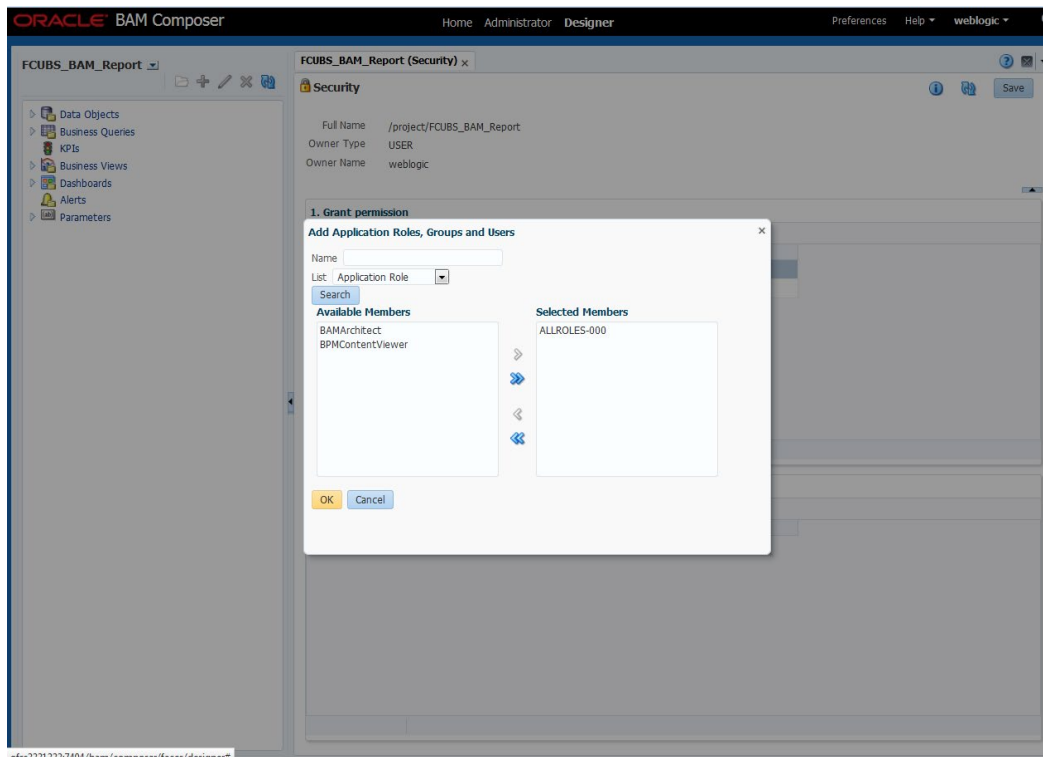


27. Search the List based on the Application Roles and Select the ALLROLES-000

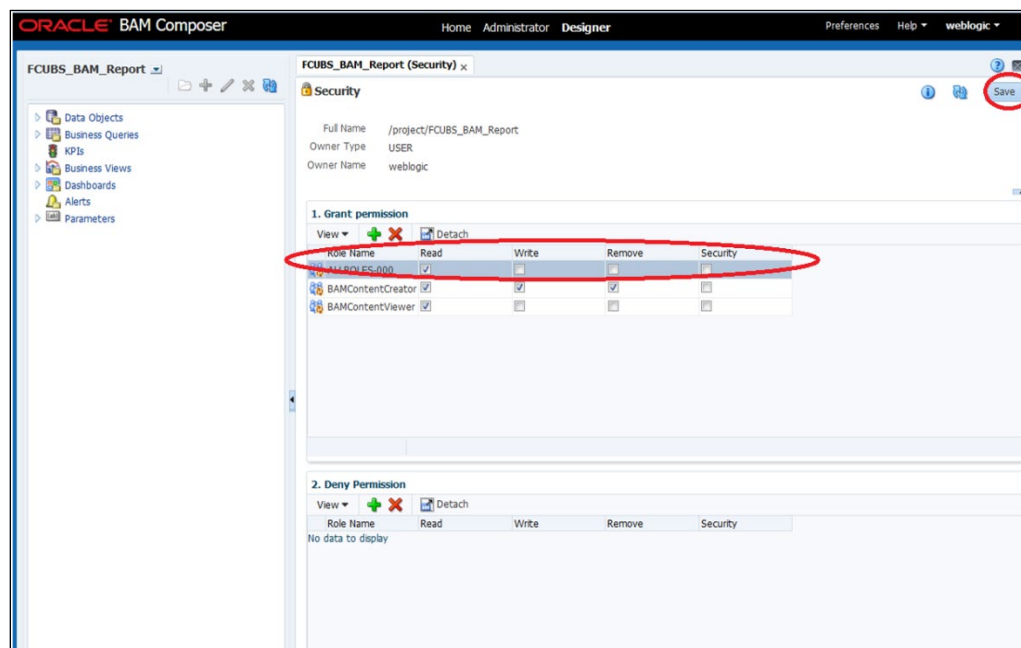




28. Move the ALLROLES-000 to Selected Members and click on ok.



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



## 1.2.9 IPM configuration to edit the document

The Following set of instructions can be followed if the BPEL need to be configured with IPM configuration

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

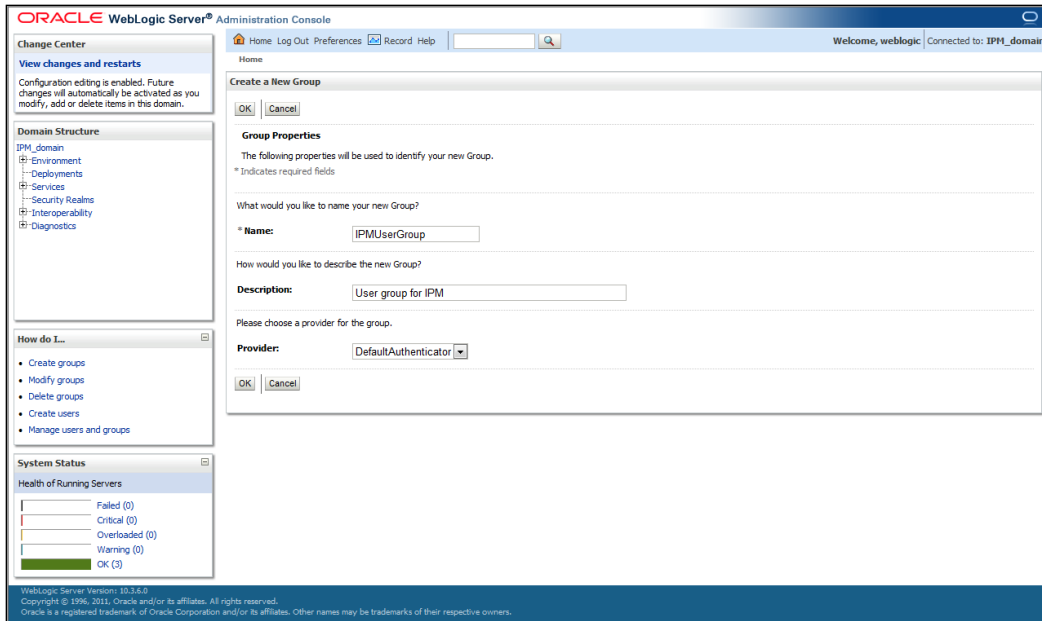
After adding, Navigate to security realms > myrealm > Users and Groups and check if the users from the schema are displayed in Users tab, and Roles from the schema are displayed under the Groups Tab.

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

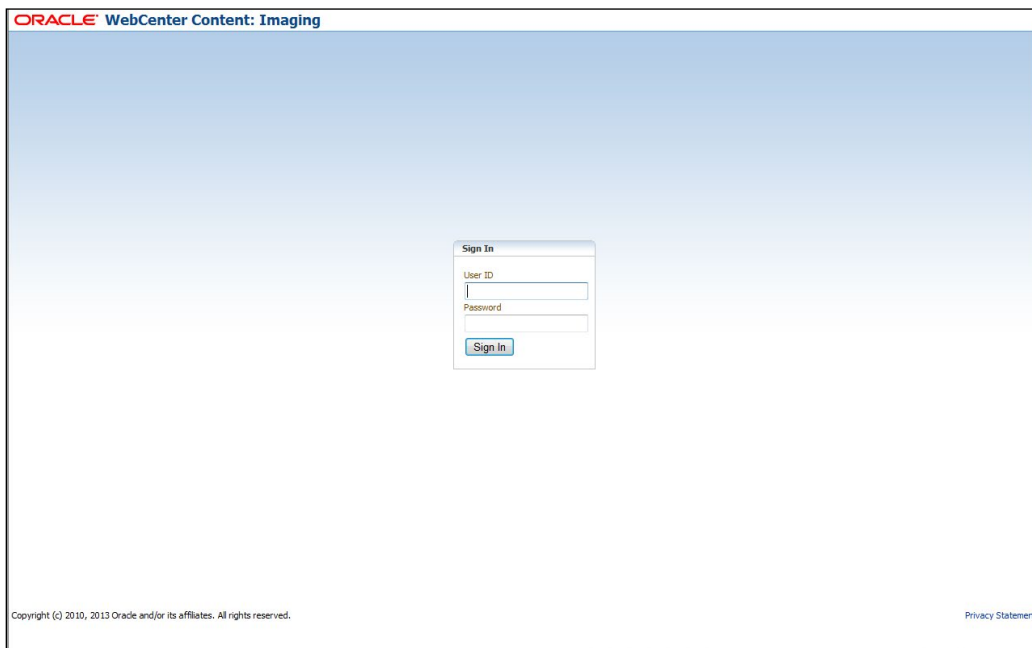
The screenshot shows the Oracle WebLogic Server Administration Console. The left sidebar contains the 'Domain Structure' tree with 'IPM\_domain' expanded, showing 'Environment', 'Deployments', 'Services', 'Security Realms' (highlighted), 'Interoperability', and 'Diagnostics'. Below this is the 'How do I...' section with links like 'Manage users and groups', 'Create groups', 'Modify groups', and 'Delete groups'. The 'System Status' section shows 'Health of Running Servers' with a bar chart indicating 'Failed (0)', 'Critical (0)', 'Overloaded (0)', 'Warning (0)', and 'OK (3)'. The main content area is titled 'Settings for myrealm' and has tabs for 'Configuration', 'Users and Groups' (selected), 'Roles and Policies', 'Credential Mappings', 'Providers', and 'Migration'. Under the 'Users and Groups' tab, there is a 'Groups' section with a 'New' button (highlighted) and a 'Delete' button. Below this is a table of groups. The table has columns for 'Name', 'Description', and 'Provider'. The groups listed are: AC-BATCH, AC-REPORTS, AC-RPT, ADMIN, AdminChannelUsers, Administrators, ADMINROLE, AE-MAINT-IN, AEOD-RPT, AEOD-STB, and AEOD-STB. The 'Provider' column shows 'Foubs' for most groups and 'DefaultAuthenticator' for 'AdminChannelUsers' and 'Administrators'. The table is paginated, showing 1 to 10 of 568 groups.

Name	Description	Provider
AC-BATCH	Accounting Batch Operations	Foubs
AC-REPORTS	Accounting Reports	Foubs
AC-RPT	Accounting Reports	Foubs
ADMIN	Admin	Foubs
AdminChannelUsers	AdminChannelUsers can access the admin channel.	DefaultAuthenticator
Administrators	Administrators can view and modify all resource attributes and start and stop servers.	DefaultAuthenticator
ADMINROLE	Admin Role	Foubs
AE-MAINT-IN	AEOD Maintenance	Foubs
AEOD-RPT	AEOD Reports	Foubs
AEOD-STB	Accounting Reports	Foubs

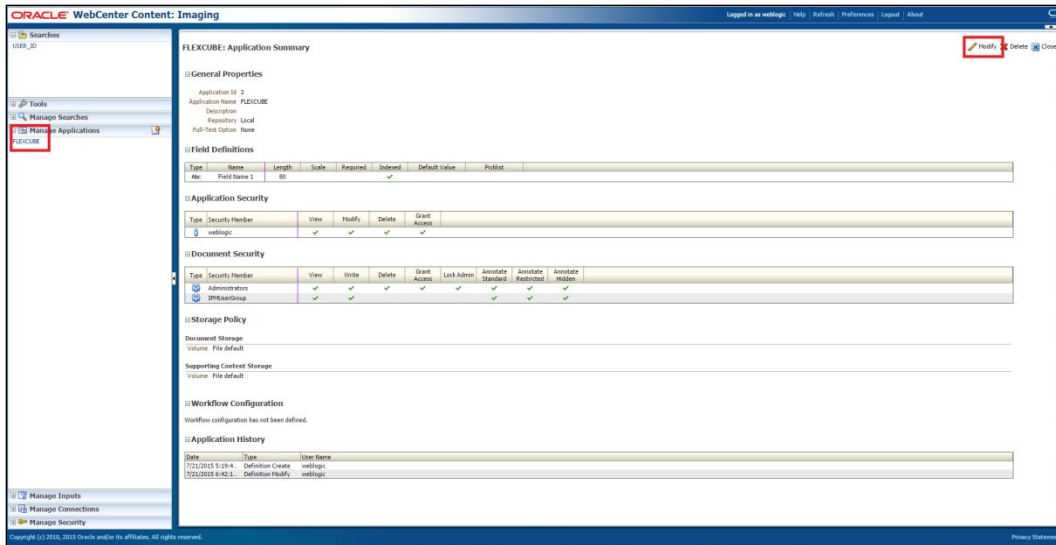
4. After Clicking on the new button,
  - Enter the name as “IPMUserGroup”
  - Description for it (optional)
  - And select the authenticator as “DefaultAuthenticator”
  - And then click “Ok”



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

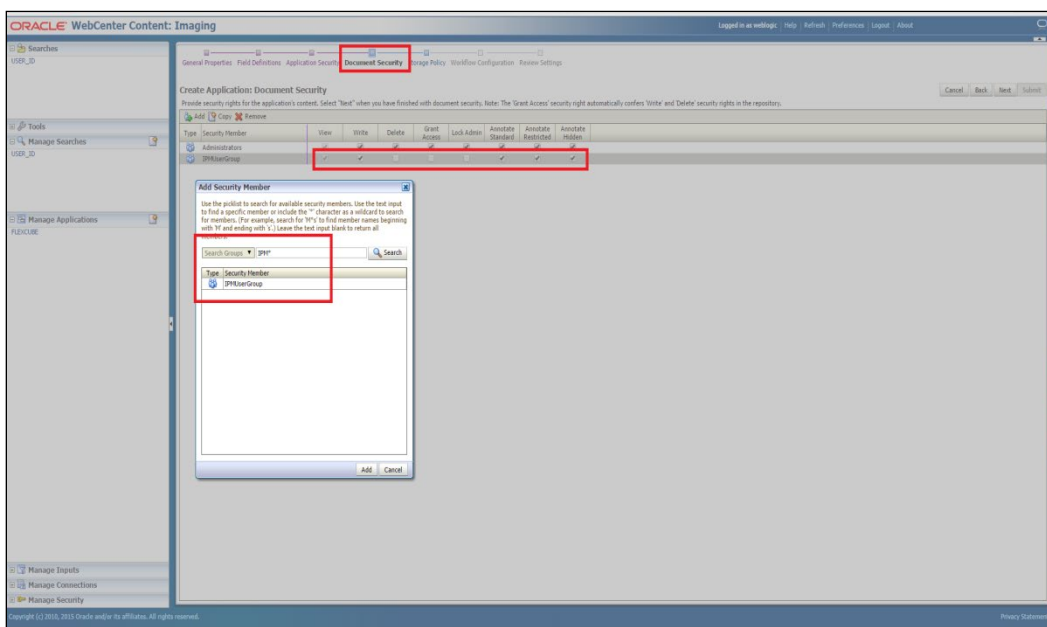


- Navigate to Manage Applications
- Click on the FLEXCUBE
- Then click on the modify on the right pane



6. After clicking on the modify button,

- Navigate to Document Security
- Click on Add button
- Click on Search button in the pop up window
- Select the "IPMUserGroup"
- Click on Add
- IPMUserGroup will be listed in the panel, select view ,write,annotate Standard,Annotate Restricted and Annotate Hidden checkboxes.
- 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

**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				

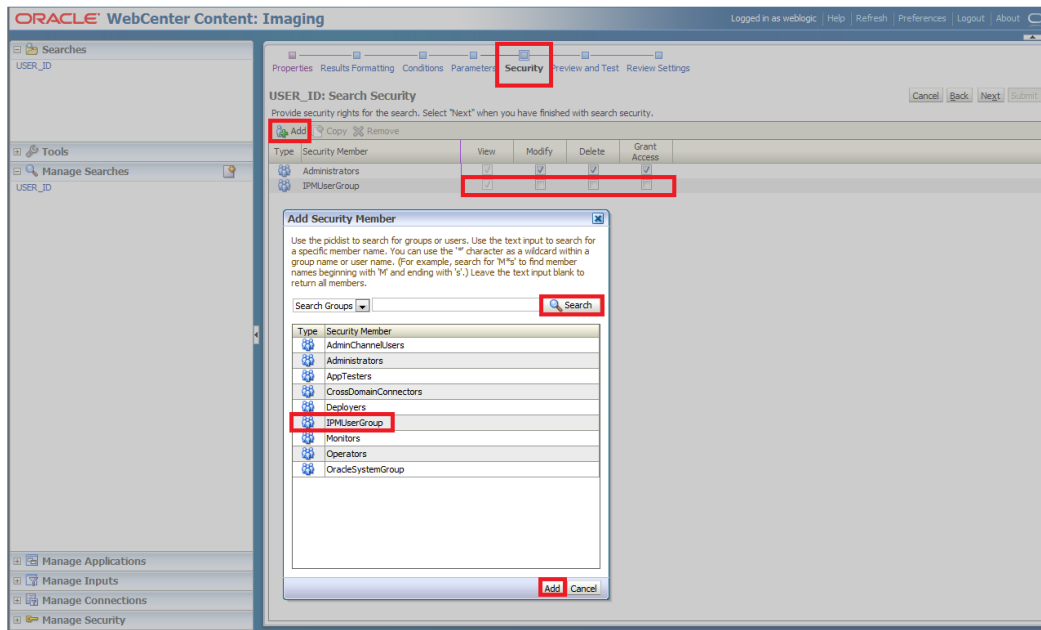
**Security**

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

**Audit History**

Date	Type	User Name
7/2/2014	Definition Create	ARU1
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
7/4/2014	Definition Modify	weblogic

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 FCJJSPProvider.jar to location

<ORACLE\_HOME >\user\_projects\domains\<domain 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/fcjdevDS"/>
  <property name="INTERNAL_CONTEXT_REQUIRED" value="true"/>
  <property name="INTERNAL_CONTEXT_NAME" value="internalstore"/>
</serviceInstance>
```



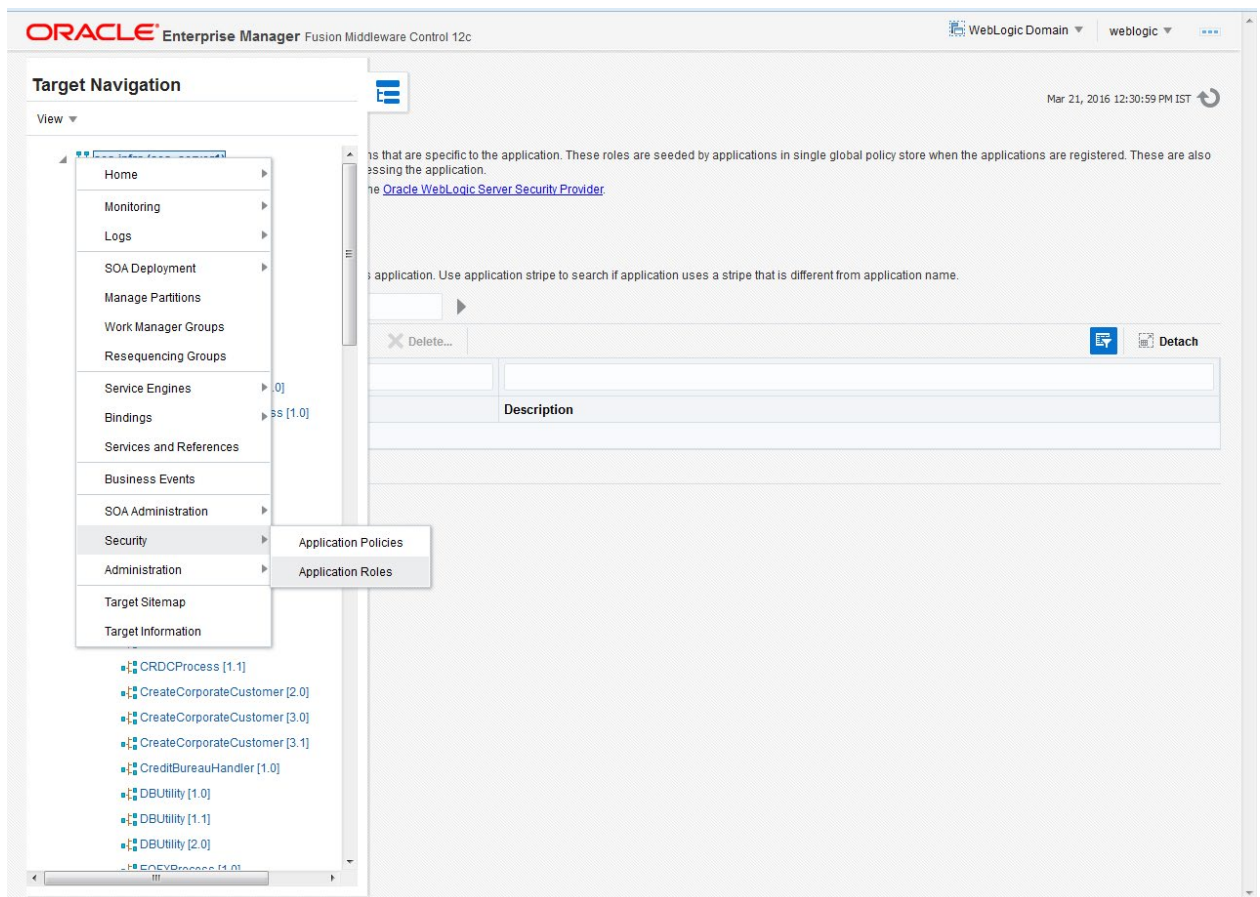
Make sure that the JNDI (jdbc/fcjddevDS) matches the value given during property file creation.

- 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="polycystore.xml"/>
  <serviceInstanceRef ref="audit"/>
</jpsContext>
```

### 1.2.10 Configuring Supervisor Roles in EM

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



## 2. Search the Application Roles with “Starts with” option.

The screenshot shows the Oracle Enterprise Manager interface for Fusion Middleware Control 12c. The page title is "Application Roles". Below the title, there is a search bar with a dropdown menu set to "Starts With". The search results are displayed in a table with three columns: Role Name, Display Name, and Description. The SOAAdmin role is highlighted in blue.

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 application 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'.

The screenshot shows the Oracle Enterprise Manager interface for Fusion Middleware Control 12c. The page title is "Application Roles". Below the title, there is a search bar with a dropdown menu set to "Starts With". The search results are displayed in a table with three columns: Role Name, Display Name, and Description. The SOAAdmin role is highlighted in blue, and the "Edit" button is visible above the table.

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 application 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

Name Administrators

**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

- 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 other roles as members.

View + Add

Name Administrators

**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

View Detach

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

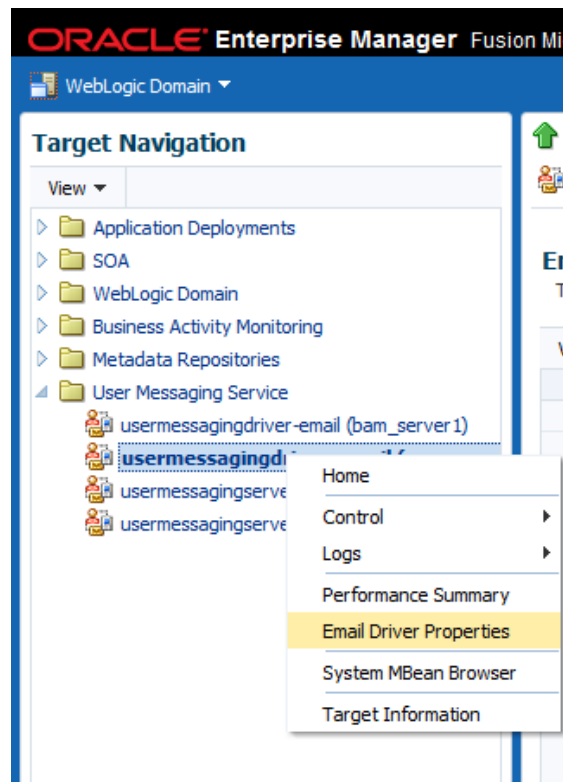
0.184.133.168:7401/em/faces/as/security/editAppRole?type=oracle\_soainfra&target=/Domain\_soa\_domain/soa\_domain/soa\_server1/soa-infra

6. Click Ok .

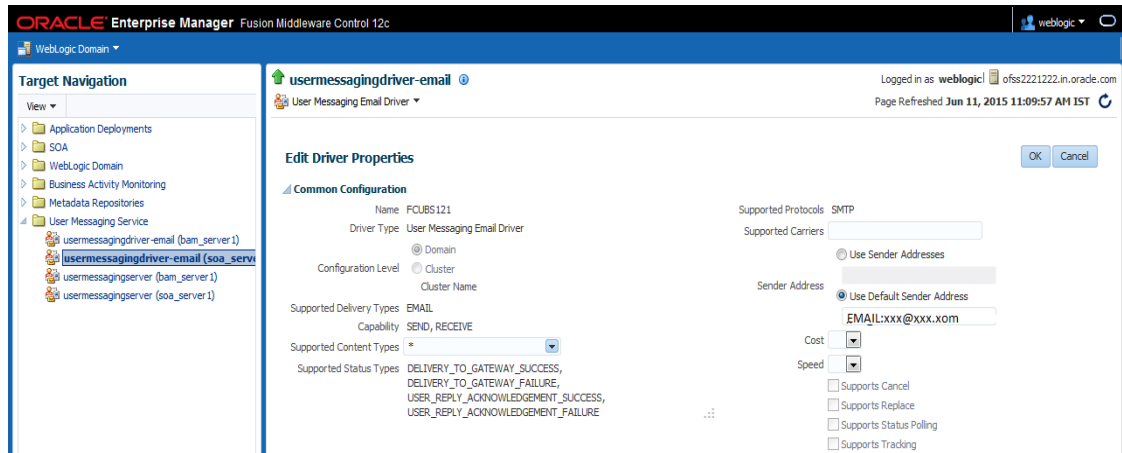
### 1.2.11 Email Driver Configuration

The Following set of instructions can be followed if the BPEL need to be configured with Email Driver configurations

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

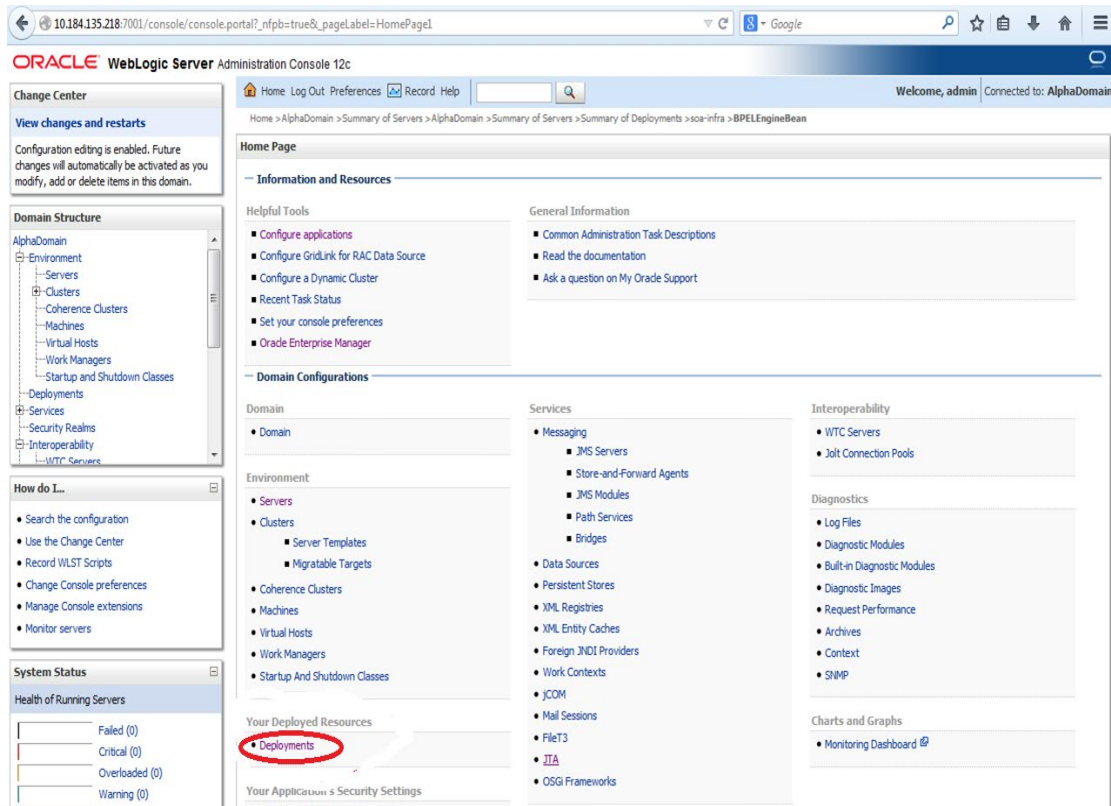
Driver-Specific Configuration				
Name	Description	Mandatory	Encoded Credential	Value
Outgoing Mail Server	The name of the SMTP server. Mandatory only if e-mail sending is required.			XXXXXX
Outgoing Mail Server Port	Outgoing Mail Server Port			25
Outgoing Mail Server Security	The security used by SMTP 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

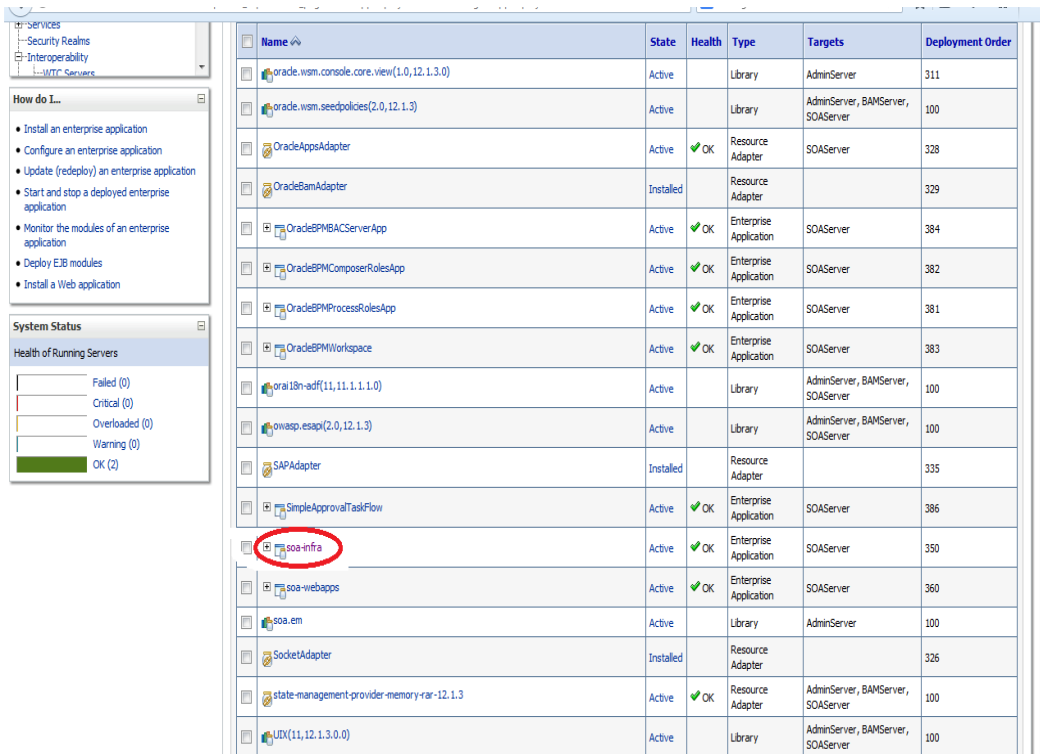
14. Select the notification mode as Email/ALL and enter the from address Actionable address and reply to Address.

## 1.2.12 TimeOut Settings for BPEL

1. The Following set of instructions has to be configured for BPEL Login in to Console (<http://hostname:port/console>)
2. Click on Deployments

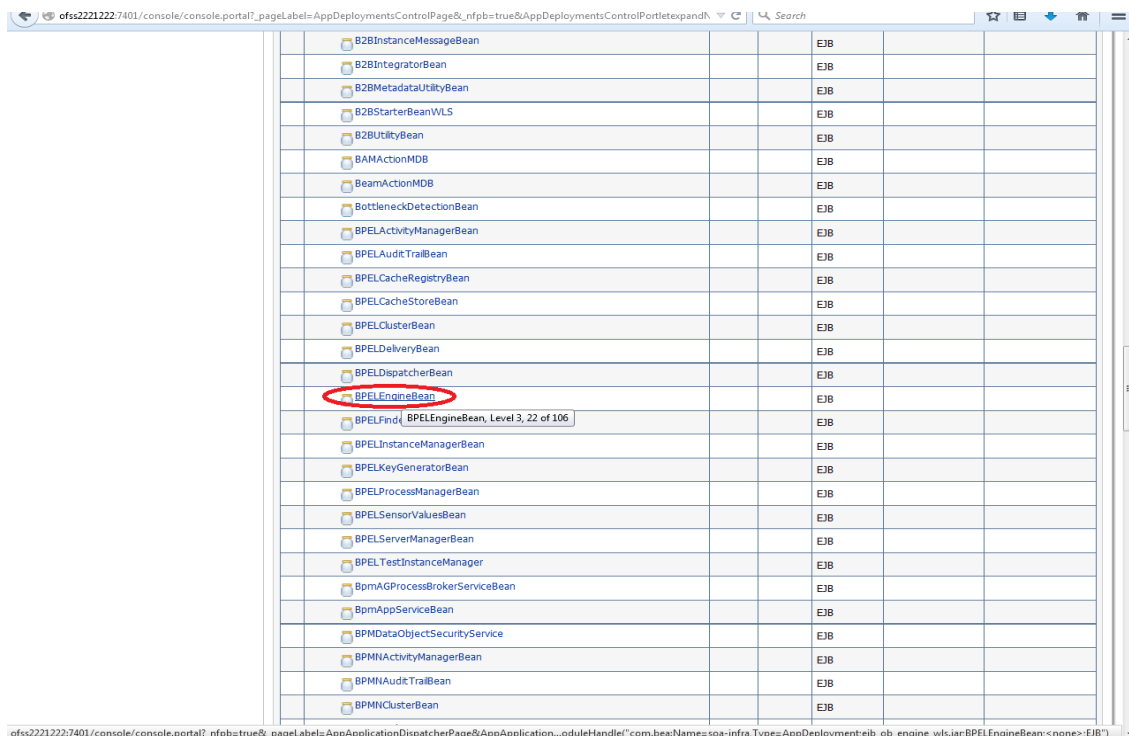


3. Click on "soa-infra" application under deployments.

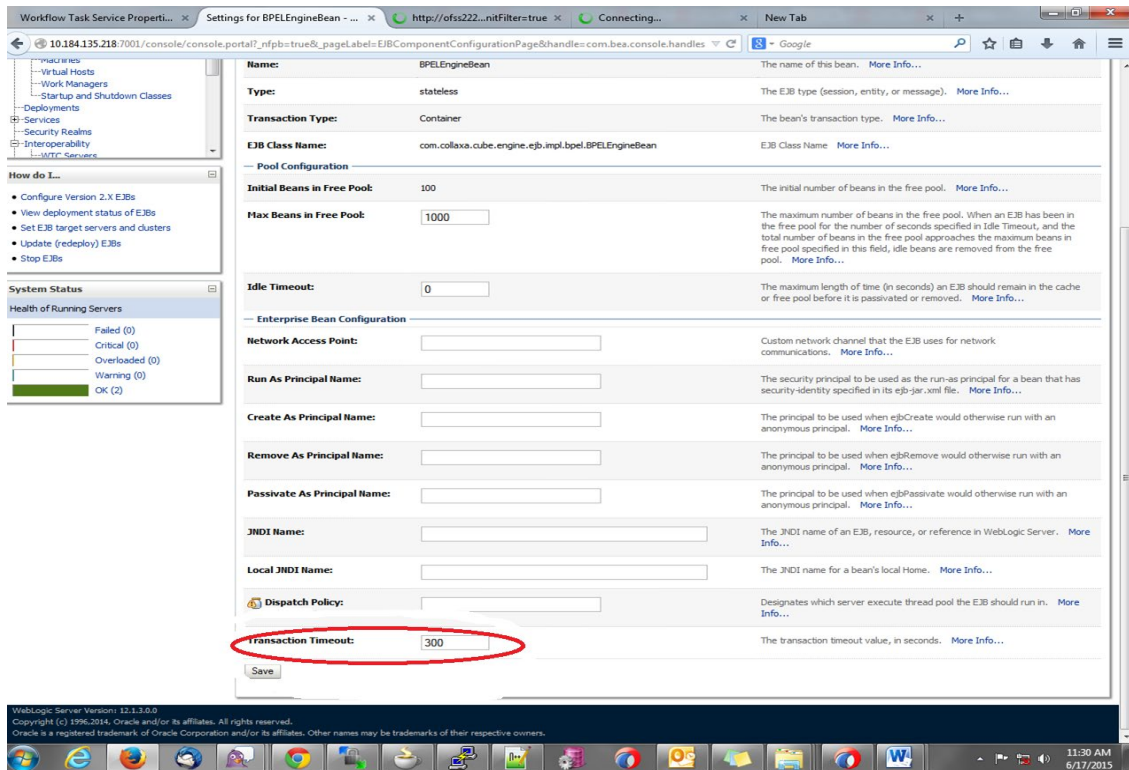


Name	State	Health	Type	Targets	Deployment Order
oracle.wsm.console.core.view(1.0,12.1.3.0)	Active		Library	AdminServer	311
oracle.wsm.seedpolicies(2.0,12.1.3)	Active		Library	AdminServer, BAMServer, SOA Server	100
OracleAppsAdapter	Active	OK	Resource Adapter	SOA Server	328
OracleBAMAdapter	Installed		Resource Adapter		329
OracleBPMACServerApp	Active	OK	Enterprise Application	SOA Server	384
OracleBPMComposerRolesApp	Active	OK	Enterprise Application	SOA Server	382
OracleBPMProcessRolesApp	Active	OK	Enterprise Application	SOA Server	381
OracleBPMWorkspace	Active	OK	Enterprise Application	SOA Server	383
oral18n-adv(11,11.1.1.1.0)	Active		Library	AdminServer, BAMServer, SOA Server	100
owasp.esap(2.0,12.1.3)	Active		Library	AdminServer, BAMServer, SOA Server	100
SAPAdapter	Installed		Resource Adapter		335
SimpleApprovalTaskFlow	Active	OK	Enterprise Application	SOA Server	386
<b>soa-infra</b>	Active	OK	Enterprise Application	SOA Server	350
soa-webapps	Active	OK	Enterprise Application	SOA Server	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, SOA Server	100
UIX(11,12.1.3.0.0)	Active		Library	AdminServer, BAMServer, SOA Server	100

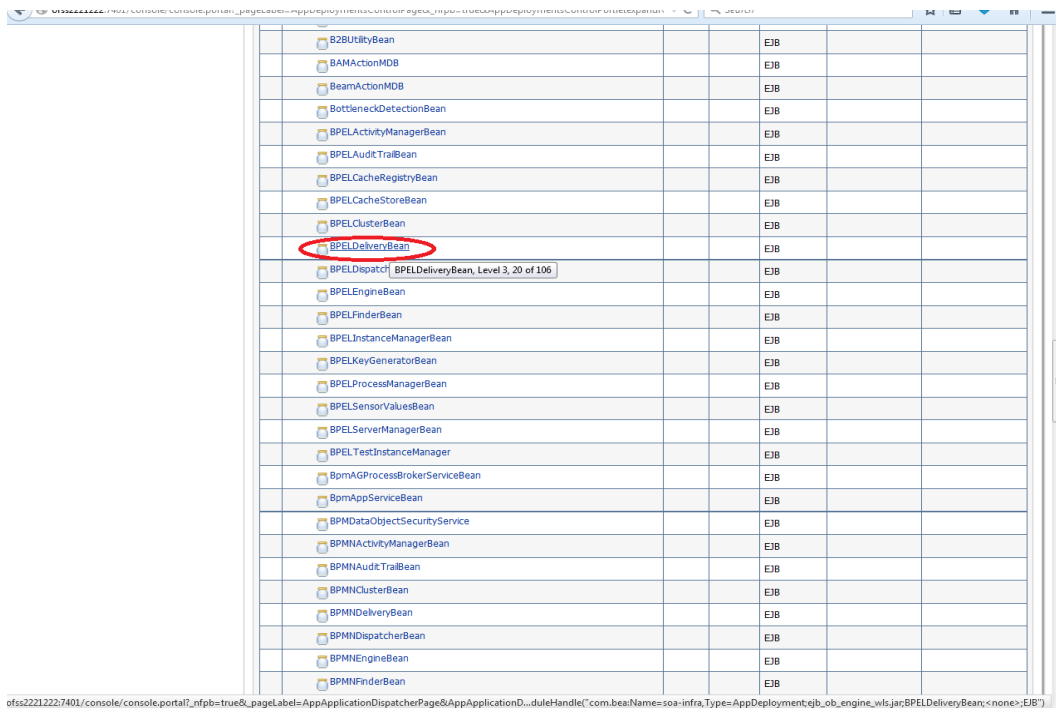
4. Go to EJBs, click on BPELEngineBean→Configuration→set Transaction TimeOut to 300.



Name	Type
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
<b>BPELEngineBean</b>	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 DeliveryBean→ Configuration→set Transaction TimeOut to 300



**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

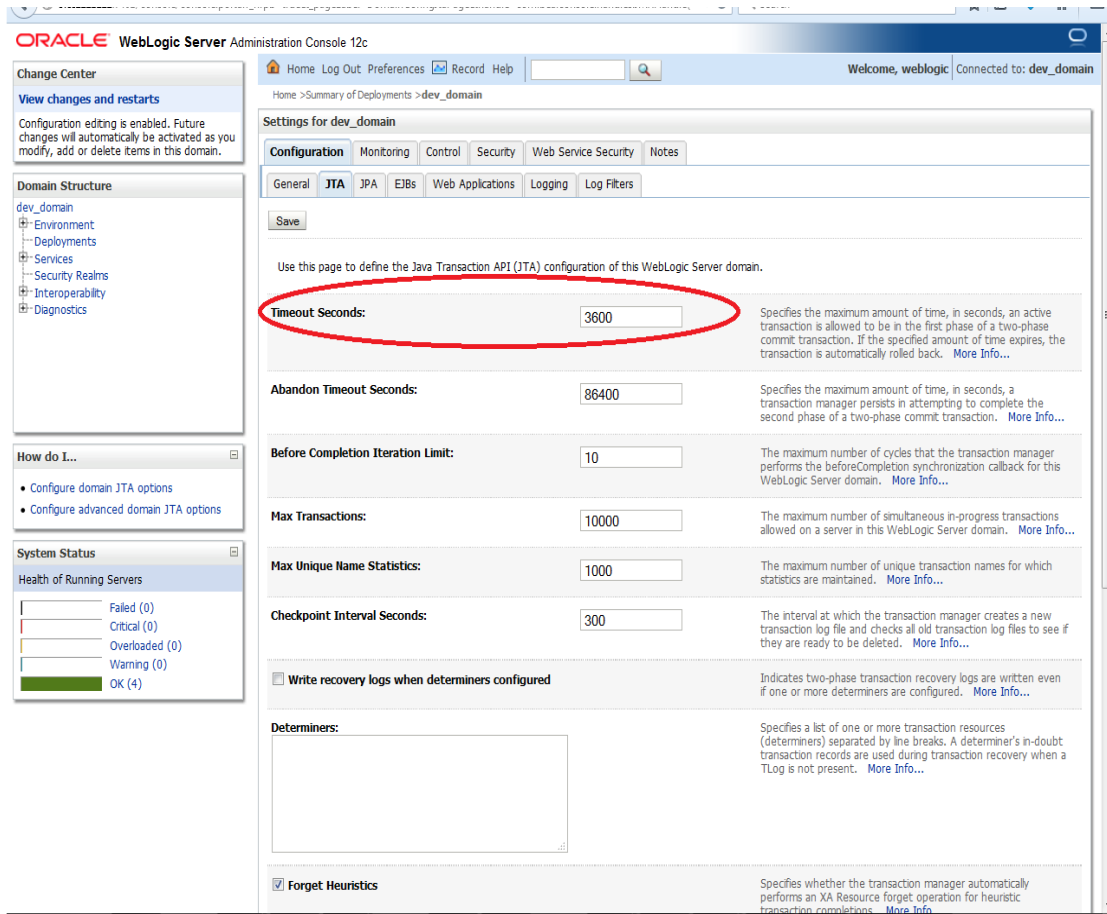
Failed (0)
Critical (0)
Overloaded (0)
Warning (0)
OK (4)

<b>Type:</b>	stateless	The EJB type (session, entity, or message). <a href="#">More Info...</a>
<b>Transaction Type:</b>	Container	The bean's transaction type. <a href="#">More Info...</a>
<b>EJB Class Name:</b>	com.collaxa.cube.engine.ejb.impl.bpel.BPELDeliveryBean	EJB Class Name <a href="#">More Info...</a>
<b>Pool Configuration</b>		
<b>Initial Beans in Free Pool:</b>	200	The initial number of beans in the free pool. <a href="#">More Info...</a>
<b>Max Beans in Free Pool:</b>	<input type="text" value="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. <a href="#">More Info...</a>
<b>Idle Timeout:</b>	<input type="text" value="0"/>	The maximum length of time (in seconds) an EJB should remain in the cache or free pool before it is passivated or removed. <a href="#">More Info...</a>
<b>Enterprise Bean Configuration</b>		
<b>Network Access Point:</b>	<input type="text"/>	Custom network channel that the EJB uses for network communications. <a href="#">More Info...</a>
<b>Run As Principal Name:</b>	<input type="text"/>	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. <a href="#">More Info...</a>
<b>Create As Principal Name:</b>	<input type="text"/>	The principal to be used when ejbCreate would otherwise run with an anonymous principal. <a href="#">More Info...</a>
<b>Remove As Principal Name:</b>	<input type="text"/>	The principal to be used when ejbRemove would otherwise run with an anonymous principal. <a href="#">More Info...</a>
<b>Passivate As Principal Name:</b>	<input type="text"/>	The principal to be used when ejbPassivate would otherwise run with an anonymous principal. <a href="#">More Info...</a>
<b>JNDI Name:</b>	<input type="text"/>	The JNDI name of an EJB, resource, or reference in WebLogic Server. <a href="#">More Info...</a>
<b>Local JNDI Name:</b>	<input type="text"/>	The JNDI name for a bean's local Home. <a href="#">More Info...</a>
<b>Dispatch Policy:</b>	<input type="text"/>	Designates which server execute thread pool the EJB should run in. <a href="#">More Info...</a>
<b>Transaction Timeout:</b>	<input type="text" value="1800"/>	The transaction timeout value, in seconds. <a href="#">More Info...</a>

WebLogic Server Version: 12.1.3.0.0

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





8. Login in to EM console (<http://host:port/em>)→SOA adminstration→BPEL Properties→MoreConfigproperties→ 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
        - BPMN 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**

Profile: **BPM BASIC**  
Instance Tracking: **Production**  
Default Query Duration: **Last 24 Hours**  
Auto Purge: **Enabled**

**Business Transaction Faults**

Last\* 24 Hours

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

**Composites and Adapters Availability**

SOAServer

**SOA Runtime Health**

soa-infra (SOAServer)

**Initialized Successfully**

- No Composite Start-Up Errors
- No EIS Connectivity Errors
- All Composites are UP
- All adapter service endpoints are UP

**System Backlogs**

Last\* 24 Hours

Refresh region to show the latest data.

Messages in Queues:

- BPML Invoke --
- BPML Callback --
- Mediator Parallel Routing --

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

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

**ORACLE Enterprise Manager** Fusion Middleware Control 12c

WebLogic Domain

**Change Center**

Changes Recording

**Target Navigation**

View

- Application Deployments
- SOA
  - soa-infra (SOAServer)
    - default
      - AmendFCUBSORNFRetailLoanContract [1.0]
      - AmendFCUBSORRetailLoanContract [1.0]
      - AmendRetailLoanContractFCUBSORService [1.0]
      - BIPUtility [1.0]
      - BPELCOLLATProcess [1.0]
      - BPELCPRClosureProcess [1.0]
      - bpelcnpProcess [1.0]
      - BPellmiReview [1.0]
      - CIBLProcess [1.0]
      - CloseFCUBSORRetailLoanContract [1.0]
      - CloseRetailLoanContractFCUBSORService [1.0]
      - COLLATProcess [1.0]
      - CRDCProcess [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]
      - InitiateKYCheckedFCUBSORService [1.0]
      - InitiateRetailLoanContractFCUBSORService [1.0]
      - InitiateRetailLoanPaymentFCUBSORService [1.0]
      - InitiateRiskEvaluationFCUBSORService [1.0]
      - KYCheck [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	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...
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

## 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  
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