

Oracle® Banking Corporate Lending Setup Plug-Ins



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ORACLE®

Oracle Banking Corporate Lending Setup Plug-Ins, Release 14.8.1.0.0

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Preface

This topic contains the following sub-topics:

- [Purpose](#)
- [Acronyms and Abbreviations](#)
- [Audience](#)
- [Critical Patches](#)
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- [Diversity and Inclusion](#)
- [Documentation Accessibility](#)
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Purpose

This guide describes the pre-deployment tasks to setup the Plug-in by manually before Oracle FLEXCUBE deployment. It provides detail information about the pre-deployment tasks based on the on the selected plug-ins.

Acronyms and Abbreviations

The acronyms and abbreviations are listed in this below table:

Table 1 Acronyms and Abbreviations

Abbreviations or Acronyms	Definition
BAM	Business Activity Monitoring
BIP	Business Intelligence Publisher
BPEL	Business Process Execution Language
BPMN	Business Process Model and Notation
EAR	Enterprise Archive file
EM	Enterprise Manager
FTP	File Transfer Protocol
IMAP	Internet Message Access Protocol
JMS	Java Message Service
JDBC	Java Database Connectivity
JNDI	Java Naming and Directory Interface
SOA	Service-Oriented Architecture
SMTP	Simple Mail Transfer Protocol

Audience

This manual is intended for the following User/User Roles:

Table 2 Audience

Role	Function
Administrator	Who controls the system and application parameters and ensures smooth functionality and flexibility of the banking application.
Implementation team	Implementation of Oracle Banking Corporate Lending Solution
Pre-sales team	Install Oracle Banking Corporate Lending for demo purpose
Bank personnel	Who installs Oracle Banking Corporate Lending

The user of this manual is expected to have basic understanding of Oracle Banking Application installation.

Critical Patches

Oracle advises customers to get all their security vulnerability information from the Oracle Critical Patch Update Advisory, which is available at [Critical Patches, Security Alerts and Bulletins](#). All critical patches should be applied in a timely manner to ensure effective security, as strongly recommended by [Oracle Software Security Assurance](#).

Conventions

The following text conventions are used in this document:

Table 3 Conventions

Convention	Meaning
boldface	Boldface type indicates graphical user interface elements associated with an action, or terms defined in text or the glossary.
<i>italic</i>	Italic type indicates book titles, emphasis, or placeholder variables for which you supply particular values.
monospace	Monospace type indicates commands within a paragraph, URLs, code in examples, text that appears on the screen, or text that you enter.

Diversity and Inclusion

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Related Resources

For more information on any related features, refer to the following documents:

- Oracle Banking Corporate Lending User Guides.
- Oracle Banking Corporate Lending Installation Guides.

Screenshot Disclaimer

Personal information used in the interface or documents is dummy and does not exist in the real world. It is only for reference purposes.

1

Set Up Plug-Ins

This topic contains the following sub-topics:

- [Introduction](#)
This topic describes the pre-deployment tasks to set up plug-ins before Oracle FLEXCUBE deployment.
- [Integrate Oracle FLEXCUBE UBS and BPEL](#)
This topic explains integration of Oracle FLEXCUBE UBS and BPEL.
- [Integration of Oracle FLEXCUBE UBS and Scheduler](#)
This topic explains Integration of Oracle FLEXCUBE UBS and Scheduler.
- [Integration of Oracle FLEXCUBE UBS and BIP Reports](#)
This topic explains integration of Oracle FLEXCUBE UBS and BIP Reports.
- [Integration of Oracle FLEXCUBE UBS and MBean](#)
This topic explains to integrate Oracle FLEXCUBE UBS with MBean plug-in.

1.1 Introduction

This topic describes the pre-deployment tasks to set up plug-ins before Oracle FLEXCUBE deployment.

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

1.2 Integrate Oracle FLEXCUBE UBS and BPEL

This topic explains integration of Oracle FLEXCUBE UBS and BPEL.

If you have created the EAR file with BPEL as a plug-in, the installer will create the **FCJJSPProvider.jar** file in the BPELbuild folder alongside the Oracle FLEXCUBE UBS EAR file. Before deploying the Oracle FLEXCUBE UBS EAR file, you must complete the following tasks.

This topic contains the following sub-topics:

- [Configure Custom Authentication Provider](#)
This topic provides systematic instructions to configure the Custom Authentication Provider.
- [Configure Libovd For Single Entity](#)
This topic provides the systematic instructions to configure libovd for a single entity.
- [Configure Libovd for Multi Entity](#)
This topic provides the systematic instructions to configure libovd for multi entity.
- [Configure Multiple Providers for Multiple Entities](#)
This topic explains to configure multiple providers for multiple entities.
- [Configure DBAdapter](#)
This topic explains the steps to configure DBAdapter.

- [Configure JMS Adapter](#)
This topic explains to configure JMS Adapter.
- [Configure FTP Adapter](#)
This topic explains to configure FTP Adapter using the below steps.
- [BAM Report Configuration settings](#)
This topic explains the configuration settings for BAM reports.
- [Configure IPM to Edit Document](#)
This topic explains to edit the document using the IPM configuration.
- [Configure Supervisor Roles in EM](#)
This topic explains to configure supervisor roles in the Oracle Enterprise Manager.
- [Configure Email Driver](#)
This topics explains the steps to configure the Email Driver.
- [Configure TimeOut Settings for BPEL](#)
This topic explains steps to configure TimeOut Settings for BPEL.

1.2.1 Configure Custom Authentication Provider

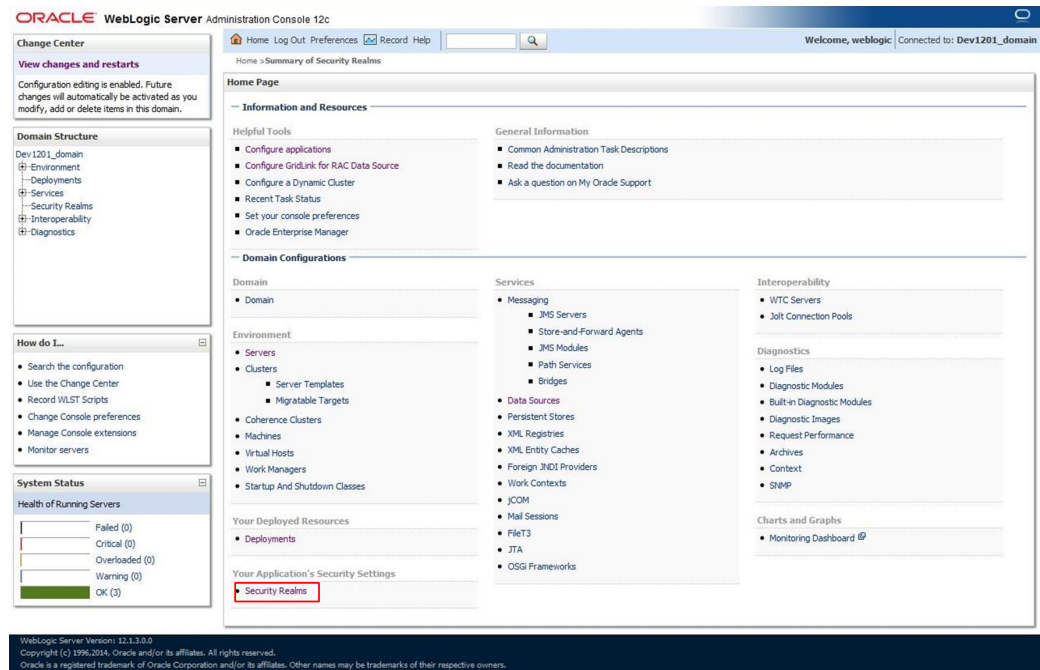
This topic provides systematic instructions to configure the Custom Authentication Provider.

FCUBS Custom Authenticator Provider configuration must be done through the Weblogic console of SOA or manually update the config.xml of the SOA domain.

Follow the below steps to setup Custom Authentication Provider:

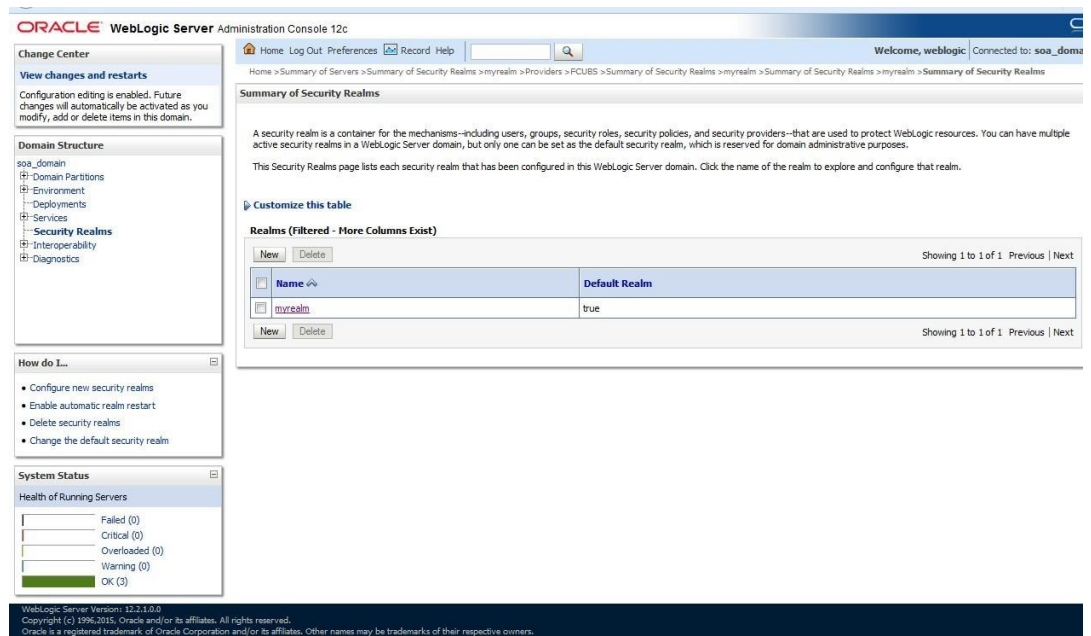
1. Along with the FCUBS Ear file, the installer generates the **FCUBSAuthenticationProvider.jar** file in the **BPELbuild** folder. Copy this file in the following path on the application server host
<ORACLE_HOME>\wlserver\server\lib\mbeantypes.
2. Restart the Admin Server.
3. Login to the Console.
4. Click **Security Realms**.

Figure 1-1 Oracle Weblogic Server - Security Realms



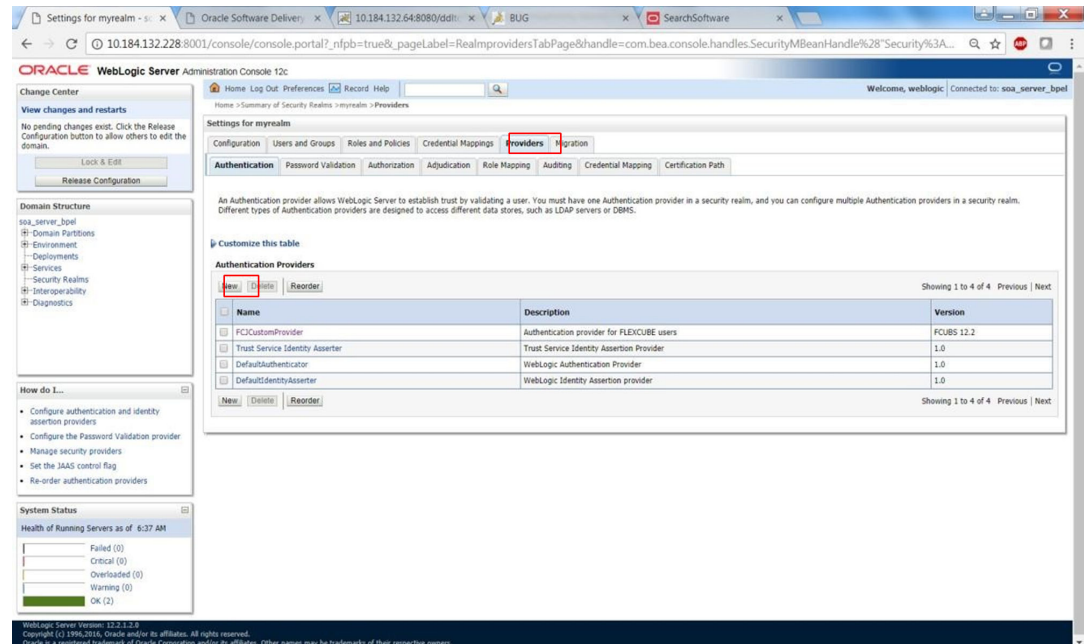
- Click **myrealm**.

Figure 1-2 Oracle Weblogic Servers_SecurityRealm_myrealms



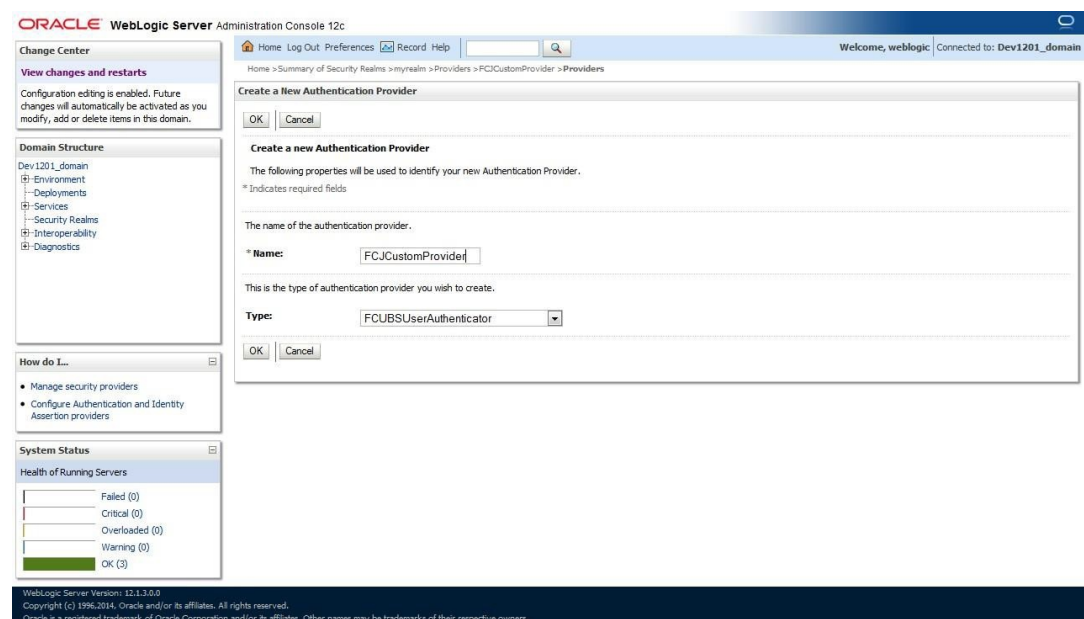
- Click the **Providers** tab and then click the **New** button to create a new authentication provider.

Figure 1-3 Oracle WebLogic Server - Providers



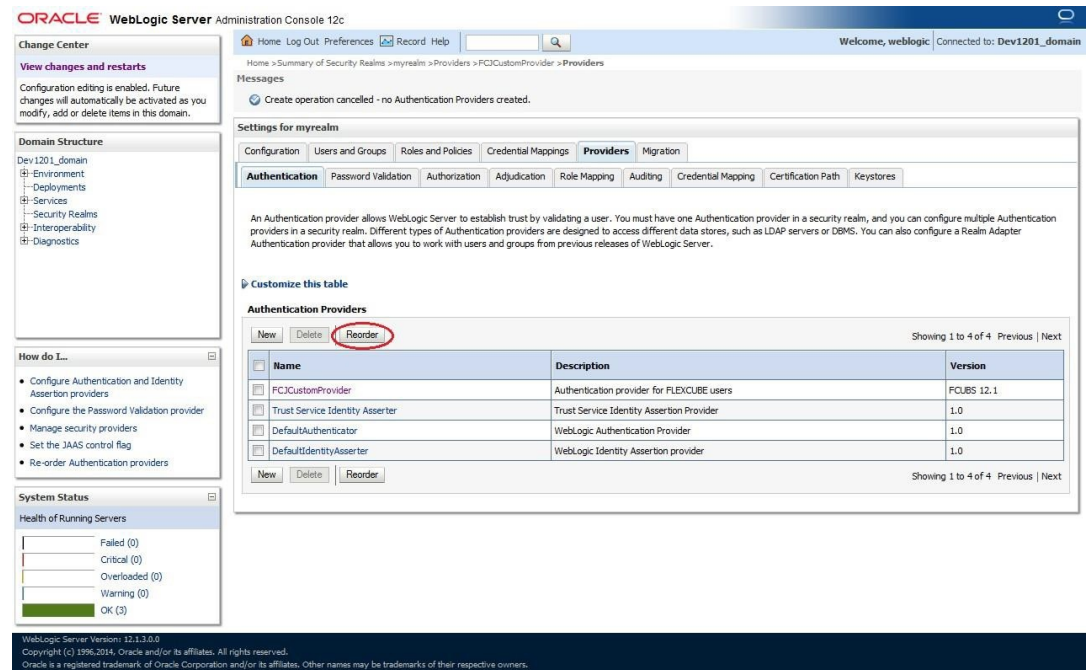
- Specify the Provider name as **FCJCustomProvider** and type as **FCUBSUserAuthenticator** and click **OK**.

Figure 1-4 Oracle WebLogic Server - Providers - Create New Authentication Provider



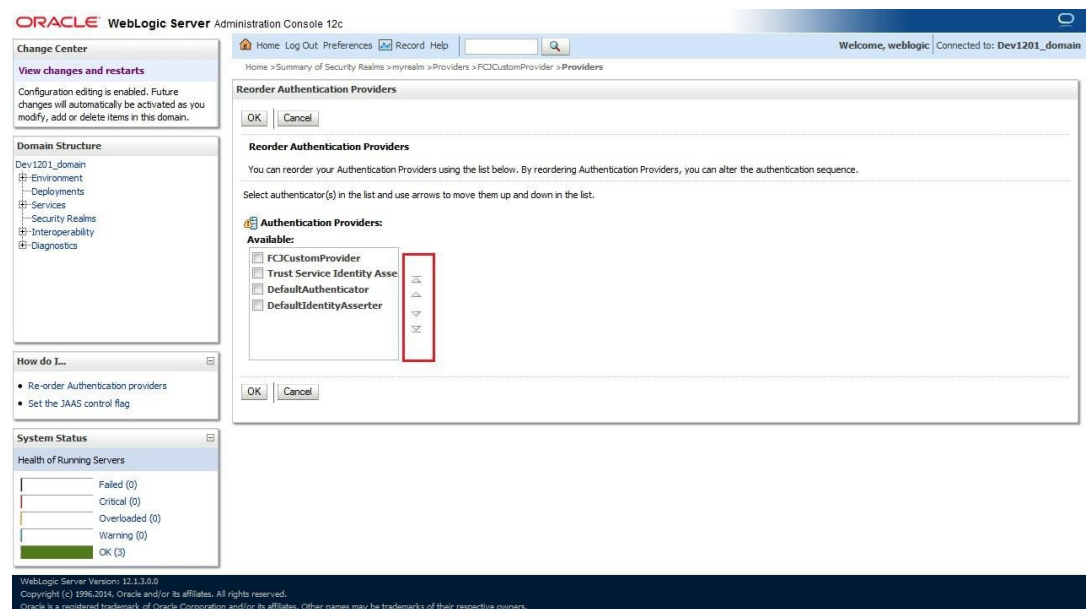
- Click the **Reorder** button.

Figure 1-5 Oracle Weblogic Server - Providers - Reorder



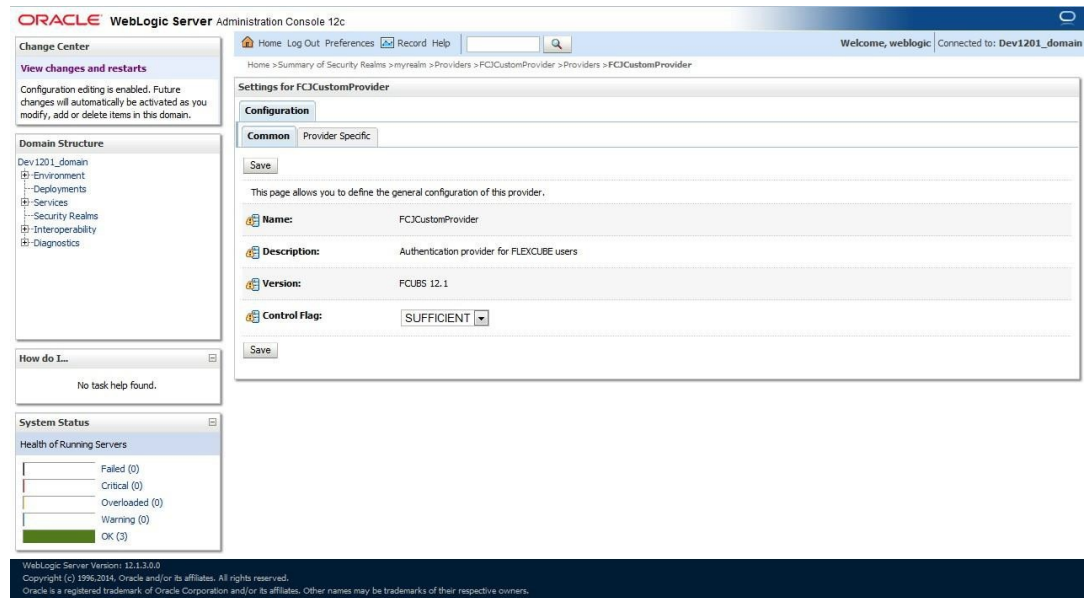
The **Reorder Authentication Providers** screen displays.

Figure 1-6 Oracle Weblogic Server - Settings for FCJCustomProvider



9. On the **Reorder Authentication Providers** screen, bring the newly created provider to the first of all providers and click **OK**.
10. Click **FCJCustomProvider**.

The **Settings for FCJCustomProvider** screen displays.

Figure 1-7 Settings for FCJCustomProvider - Common

11. In the Common tab, change the **Control flag** to **SUFFICIENT** from the drop-down list.
12. In Provider Specific tab, perform one of the following actions:
 - a. Set **JNDIName** as Flexcube JNDI Name.
 - b. If external authentications are used in FCUBS, then specify the **LDAP/MSAD** related fields.
13. For manual edit, browse the **config.xml** file from the following folder:

\Middleware\user_projects\domains\base_domain\config\
The following codes should be added at proper locations in the **config.xml** file.

- 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 Configure Libovd For Single Entity

This topic provides the systematic instructions to configure libovd for a single entity.

Follow the steps below to configure the libovd details for a single entity:

1. Along with the **Oracle FLEXCUBE UBS EAR** file, the installer generates the **FCJJSPProvider.jar** file inside the **BPELbuild** folder under the **SOURCE** directory.
2. On the application server host, create a folder by the name **classes** at the following location `<MIDDLEWARE_HOME>soa\soa\modules\oracle.soa.ext_11.1.x`.
3. Extract the **FCJJSPProvider.jar** file and copy the **com** folder from the extracted content to the following location:
`<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\bpe\cac`.
5. 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**, example: `jdbc/fcjdevDS`.
6. Copy **FCJJSPProvider.jar** to `<MIDDLEWARE_HOME>/user_projects/domains/<domain_name>/config/fmwconfig/ovd/plugins/lib`.
7. Create the directory structure if it does not exists.
8. Copy the **fcubs_adapter.xml** to the following location:
`<MIDDLEWARE_HOME>/oracle_common/modules/oracle.ovd/templates/`
9. Search for **param name= DataSource** in **fcubs_adapter.xml** and update its value with FCUBS Datasource name, for example: The updated parameter would look like
`<param_name="DataSource" value="jdbc/fcjdevDS"/>`.
10. Set environment variables in the command prompt, example: 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)`
11. Execute the **libovdadapterconfig** script which is available in `<MIDDLEWARE_HOME>/oracle_common/bin` with below parameters.
12. Specify the below arguments with values for admin server host name or IP that are:
 - Admin server port
 - WebLogic User ID
 - Domain Home
 - 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>
```
13. Once the above steps are completed, a message will displays and stating that **Adapter created successfully: fcubsAdapter**.

14. Restart the server.

1.2.3 Configure Libovd for Multi Entity

This topic provides the systematic instructions to configure libovd for multi entity.

Follow the steps given below to configure the libovd for multi entity.

1. Continue step 1 to step 5 from [Configure Libovd For Single Entity](#)
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/
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.
For example: <param name="DataSource" value="<FCUBSDATASOURCE>"/>
5. Search for UserIdPattern Parameter and update the value for OU to the entity name in lower case.
For example: <param name="UserIdPattern" value="cn=%USERID%,ou=<EntityId>,dc=oracle,dc=com"/>
6. Search for MultiEntityEnabled element and update the value to **true**.
For example: <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.
For example: <param name="EntityId" value=" <EntityId>"/>
8. Search for ou=fcubs and update with entity id in lower case.
For example: ou= EntityId
9. Execute **libovdadapterconfig** script which is present in <MIDDLEWARE_HOME>/oracle_common/bin with below parameters.
10. 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>
```
11. Repeat from step 2 to step 7 for each entity creation.
12. Once the above steps are completed, restart the server.

Note

For any misconfiguration in libovd, delete the existing fcubsAdapter and re-run the **./libovdadapterconfig.sh**.

For deleting fcubsAdapter use the below command:

- a. Log in to the WSLT console by running the WLST script.

For example:

- **UNIX:** MW_HOME/oracle_common/common/bin/wlst.sh
 - **Windows:** MW_HOME\oracle_common\common\bin\wlst.cmd
- b. 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')
- c. Delete the misconfigured adapter using the following syntax:
deleteAdapter(adapterName='fcubsAdapter')

Note

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

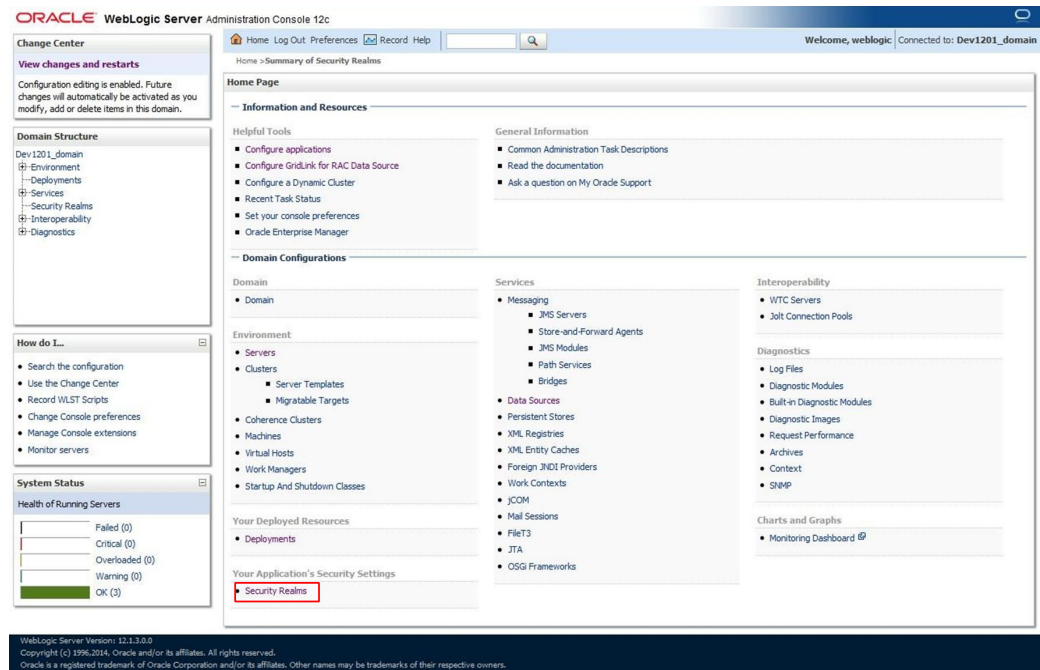
1.2.4 Configure Multiple Providers for Multiple Entities

This topic explains to configure multiple providers for multiple entities.

1. Login to the Adminserver.
2. Click **Security Realms**.

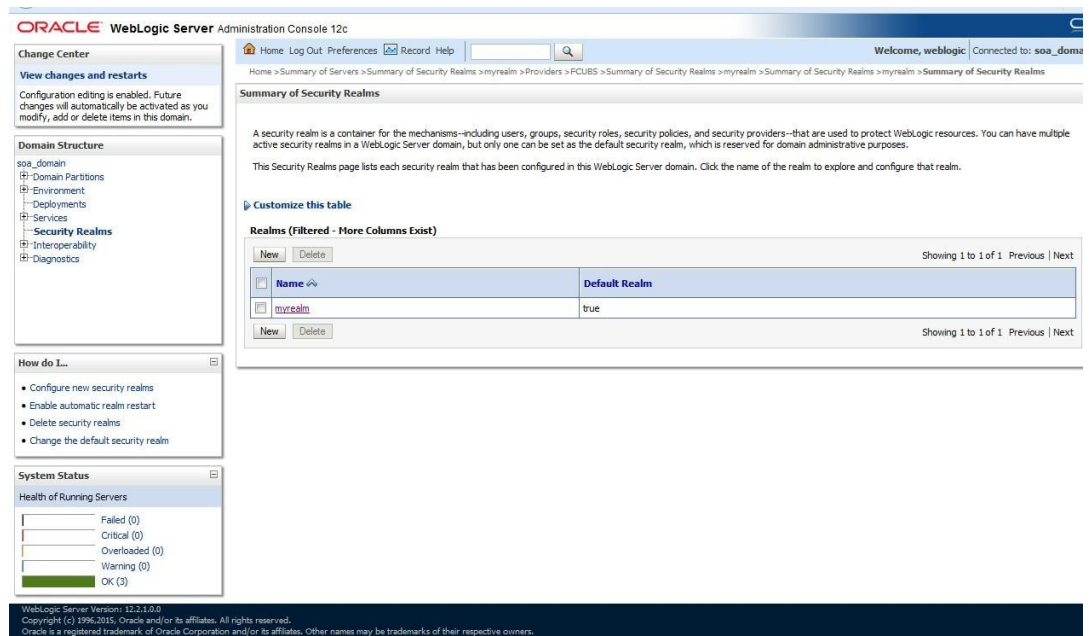
The **Oracle Weblogic Server** screen displays.

Figure 1-8 Oracle WebLogic Server

3. Click **myrealms**.

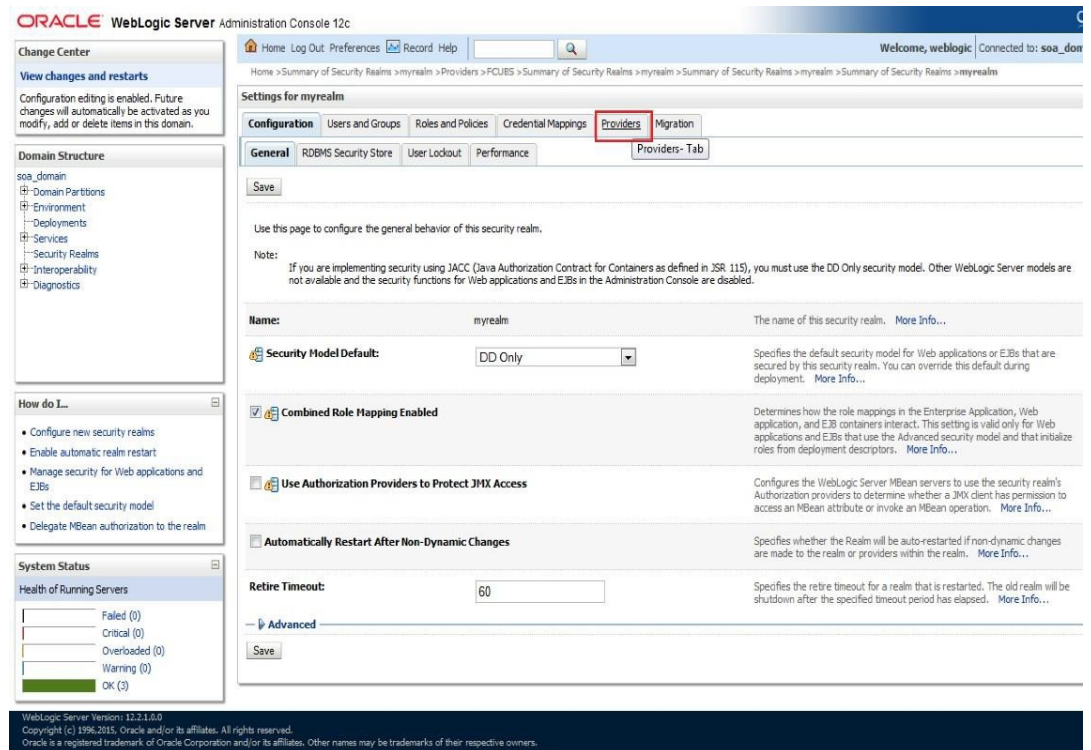
The **Summary of Security Realms** screen displays.

Figure 1-9 Summary of Security Realms

4. Click the **Providers** tab.

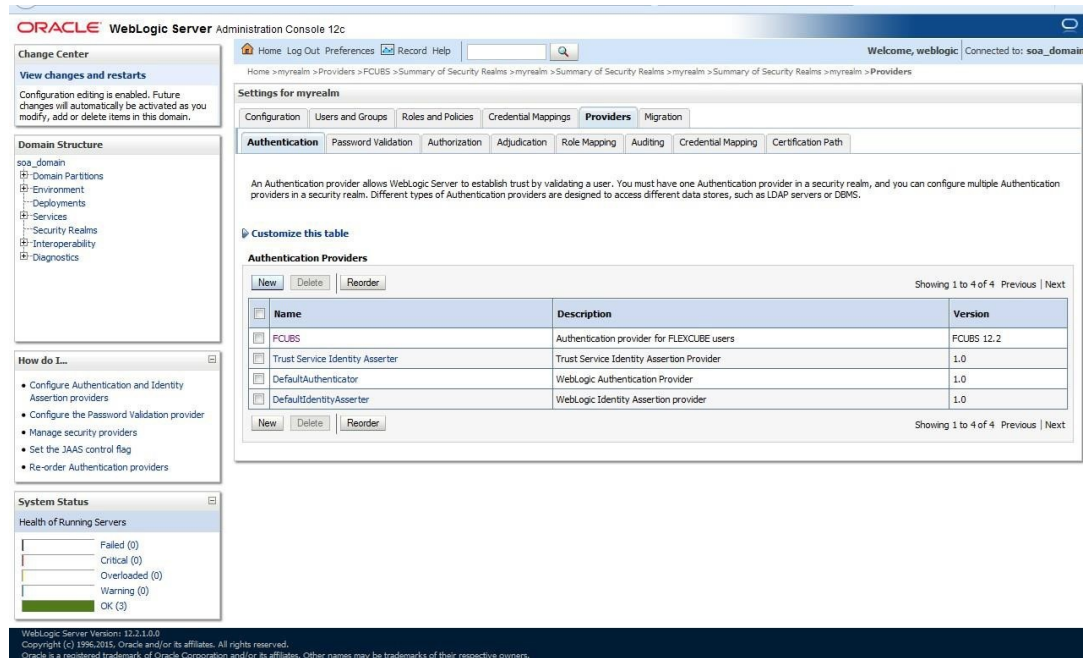
The **Settings for myrealms - Providers** screen displays.

Figure 1-10 Settings for myrealms - Providers



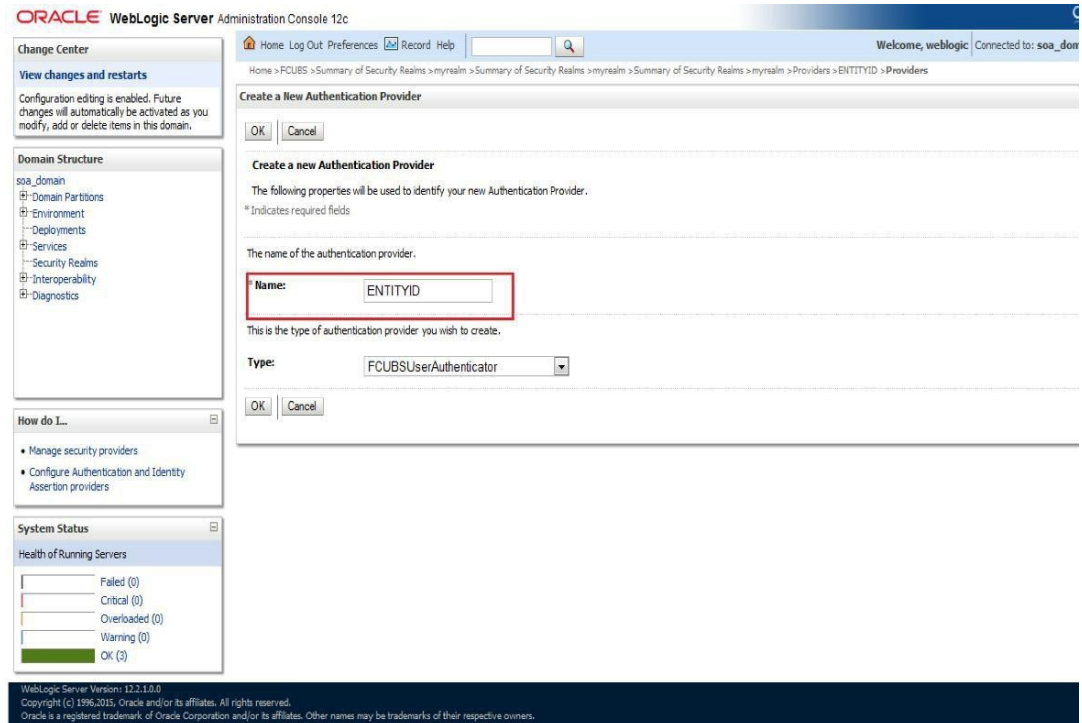
5. Click New.

Figure 1-11 Settings for myrealms - Authentication Providers

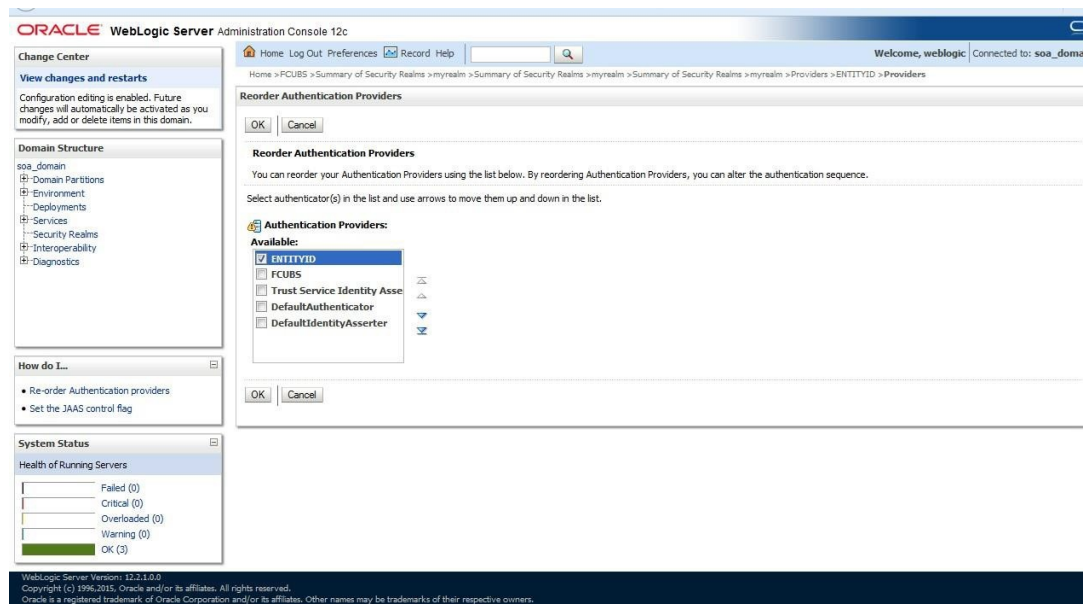


6. Specify the Name with proper Entity Name (entity name you mapped in property file) and select the type as **FCUBSUserAuthenticator** and click **OK**.

The **Create a New Authentication Provider** screen displays.

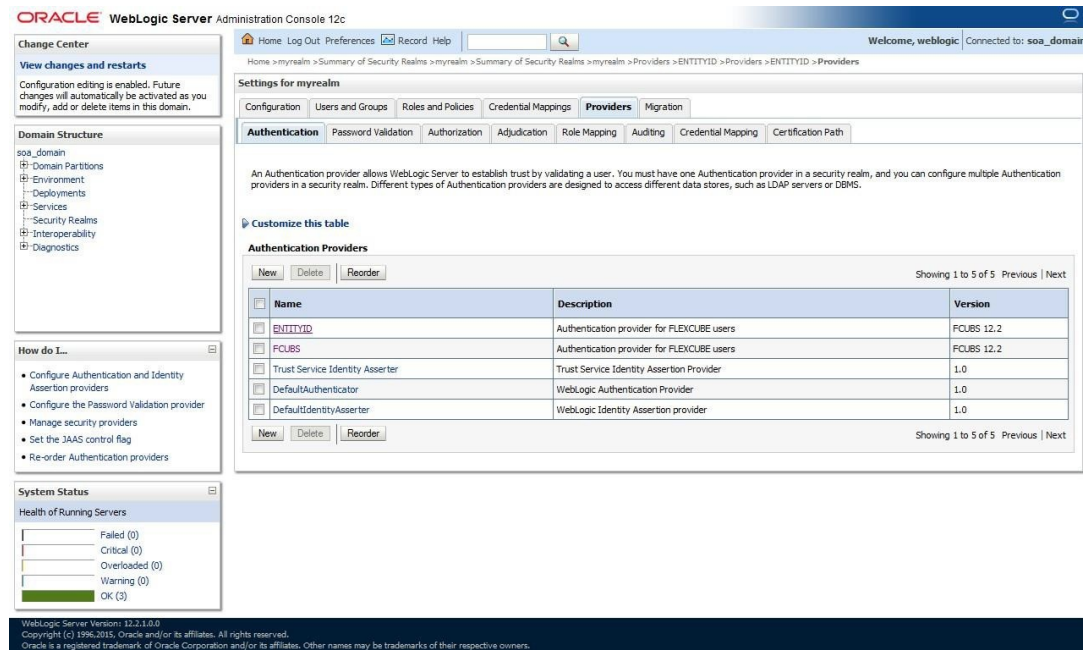
Figure 1-12 Create a new authentication Provider

7. Click **Reorder**. Bring the **Authenticationprovider** to the first in the order and click **OK**.
The **Reorder Authentication Providers** screen displays.

Figure 1-13 Reorder Authentication Providers

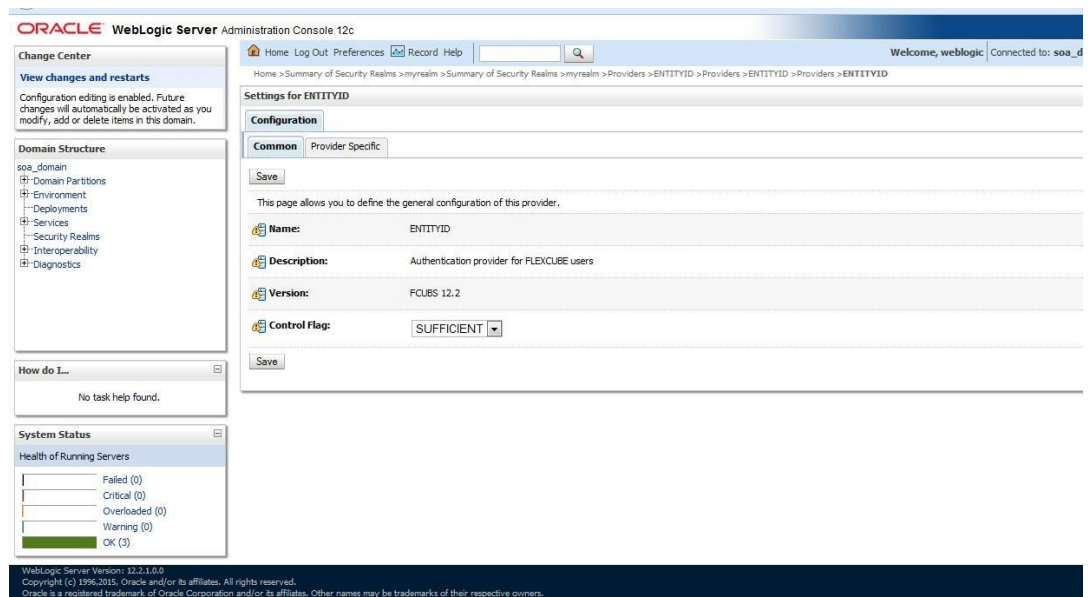
8. Click the Provider that you have created.
The **Settings for myrealms - Providers - New Provider** screen displays.

Figure 1-14 Settings for myrealms - Providers - New Provider



- In the **Common** tab, select the control flag as SUFFICIENT from the list and click **Save**.
The **Settings for ENTITYID - common tab** screen displays.

Figure 1-15 Settings for ENTITY ID - Common



- Select the **Provider Specific** tab.
The **Settings for ENTITYID - Provider Specific** screen displays.

Figure 1-16 Settings for ENTITYID - Product Specific

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 > ENTITYID > Providers > ENTITYID > Providers > ENTITYID

Settings for ENTITYID

Configuration

Common Provider Specific

Save

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

Ldap Server Ip And Port: localhost:389

JNDIName: jdbc/oc4jdevDS

☐ 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

WebLogic Server Version: 12.1.1.0.0
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11. Change the **JNDIName** to the Datasource JNDI name, which has mapped to the entity in the property file level, and select the **Multi Entity enabled** checkbox.

Figure 1-17 Settings for ENTITYID - Provider Specific - Multi Entity

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 > ENTITYID > Providers > ENTITYID > Providers > ENTITYID

Settings for ENTITYID

Configuration

Common Provider Specific

Save

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

Ldap Server Ip And Port: localhost:389

JNDIName: jdbc/oc4jdevDS

☐ 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

WebLogic Server Version: 12.1.1.0.0
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12. Specify the **Entity ID** with the Entity name which you have created in the property file level and click **Save**.

Figure 1-18 Settings for ENTITYID - Provider Specific - Entity Id

The screenshot displays the Oracle WebLogic Server Administration Console interface. On the left, the 'Domain Structure' tree shows the hierarchy from 'soa_domain' down to 'Diagnostics'. The 'System Status' section indicates that 3 servers are in an 'OK' state. The main content area is titled 'Settings for ENTITYID' and features a 'Configuration' tab with a 'Provider Specific' sub-tab. A 'Save' button is at the top left of the configuration area. Below it, a message states: 'This page allows you to configure additional attributes for this security provider.' The configuration fields include: 'Ldap Server Ip And Port' (localhost:389), 'JNDIName' (jdbc/fcdevDS), 'External Password Required' (unchecked), 'Ldap Server Time Out Duration' (0), 'Multi Entity Enabled' (checked), 'Security Authentication Type' (simple), 'Entity Id' (highlighted with a red box and containing 'ENT1'), 'Ldap Domain Name' (OFSS.COM), 'Ldap SSL Enabled' (unchecked), 'Msad Or Ldap Login Required' (unchecked), and 'Authentication Type' (MSAD). A 'Save' button is at the bottom of the configuration area. The footer shows 'WebLogic Server Version: 12.2.1.0.0' and copyright information.

13. Create the new datasource for each entity with the JNDI name, which you mapped in the property file.
14. Restart the Admin Server.
15. Continue step 1 to step 15 for each provider creation in a multi-entity scenario.

1.2.5 Configure DBAdapter

This topic explains the steps to configure DBAdapter.

To configure DBAdapter, follow the steps given below:

1. Log in to **Weblogic Console** and click **Deployment** under **Domain Structure**.
The **Summary of Deployments** screen displays.

Figure 1-19 Summary of Deployments

Summary of Deployments

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

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

Customize this table

Deployments

Name	State	Health	Type	Targets	Deployment Order
AqAdapter	Active	OK	Resource Adapter	soa_server1	324
b2bui	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
FCUBSApp (12.1.0.0)	Prepared	OK	Enterprise Application	soa_server1	500

- In the Deployments table, select **DbAdapter** and you will be navigated to **Settings for DbAdapter** screen.
- Click the **Configuration** tab and select **Outbound Connection Pools**. The **Settings for DBAdapter** screen displays.

Figure 1-20 Settings for DBAdapter

Settings for DbAdapter

Overview | Deployment Plan | **Configuration** | Security | Targets | Control | Testing | Monitoring | Notes

General | Properties | **Outbound Connection Pools** | Admin Objects | Workload | Instrumentation

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

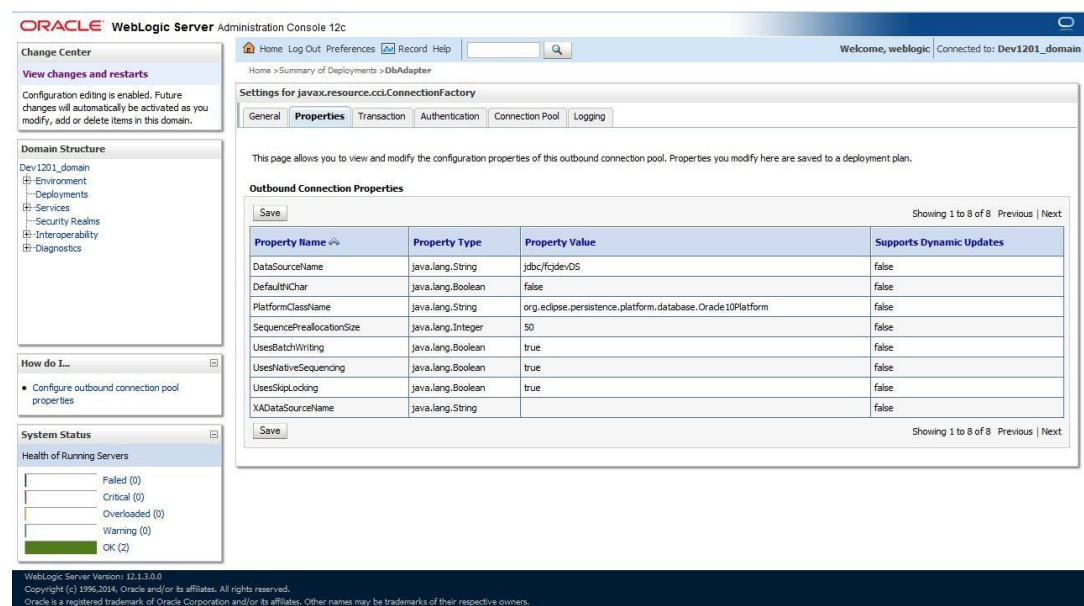
Outbound Connection Pool Configuration Table

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

- 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 **Finish**.
The jndi name should be the same as the one in the **Dbutility sub-process**.
7. Click the **DbAdapter** again.
8. Click the **Configuration** tab and select **Outbound Connection Pools**.
9. Under **Groups and Instances**, click and expand **javax.resource.cci.ConnectionFactory**.
The new JNDI name is listed.
10. Click on the **eis/DB/FCCDEV** link.
The **Settings for javax.resource.cci.ConnectionFactory** screen displays.

Figure 1-21 Settings for javax.resource.cci.ConnectionFactory



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

1.2.6 Configure JMS Adapter

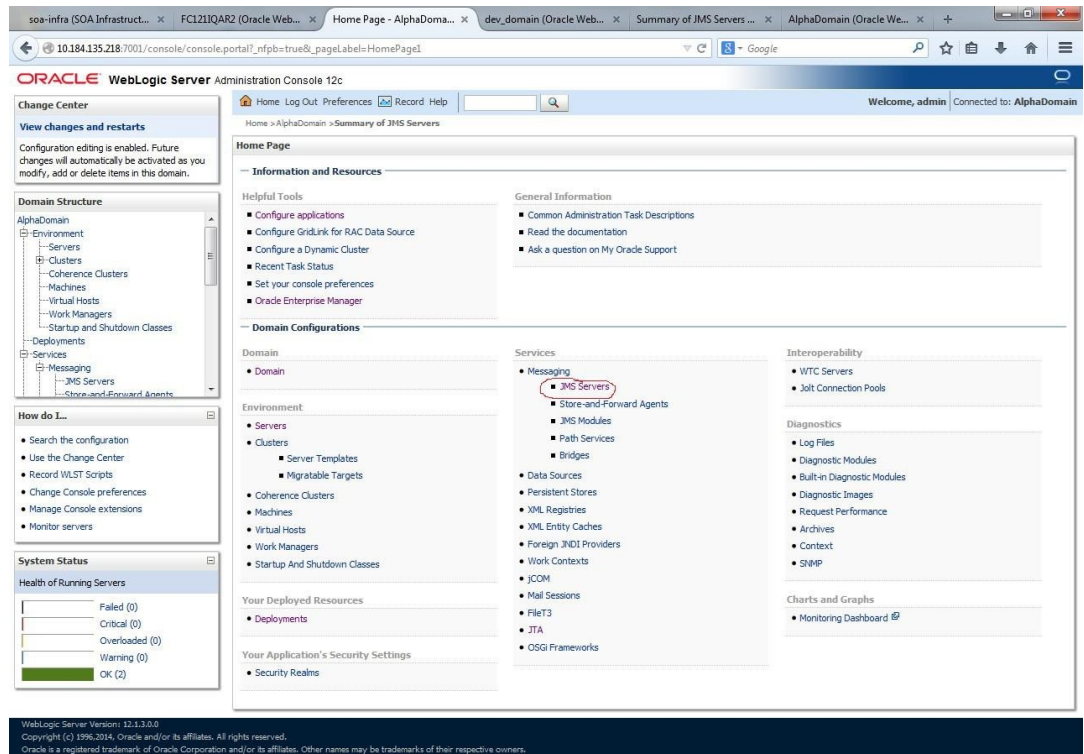
This topic explains to configure JMS Adapter.

To configure JMS Adapter, follow the steps given below.

1. Log in to **Weblogic Console** and click on **JMS Servers** under **Domain Configurations - Services**.

The **Weblogic Console Home Page** displays.

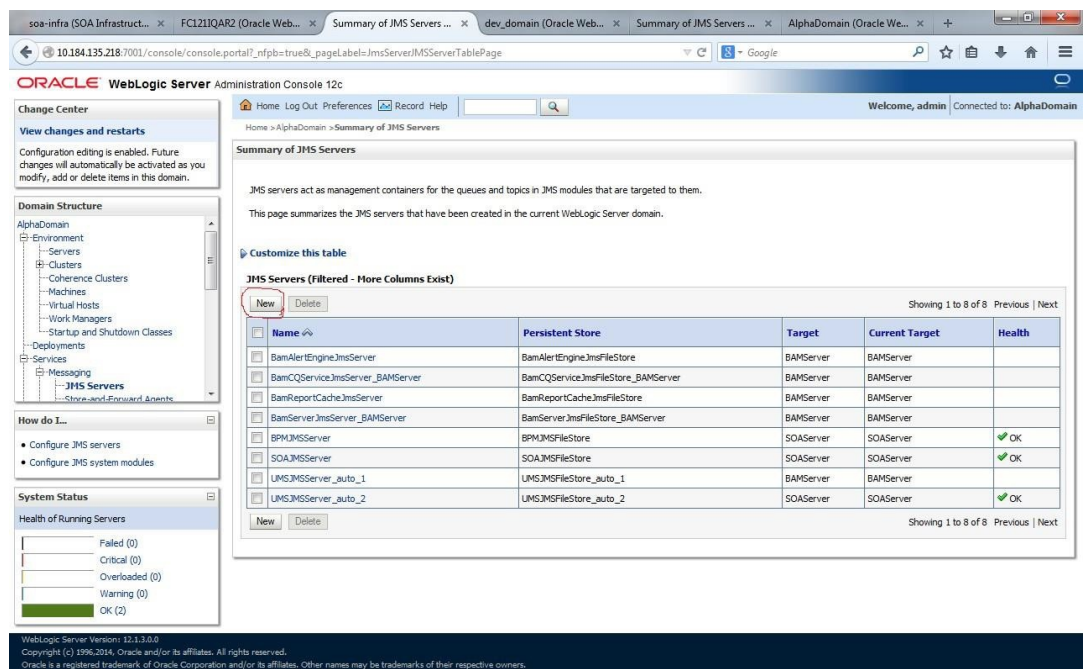
Figure 1-22 Oracle Weblogic Console Home Page



2. Click New.

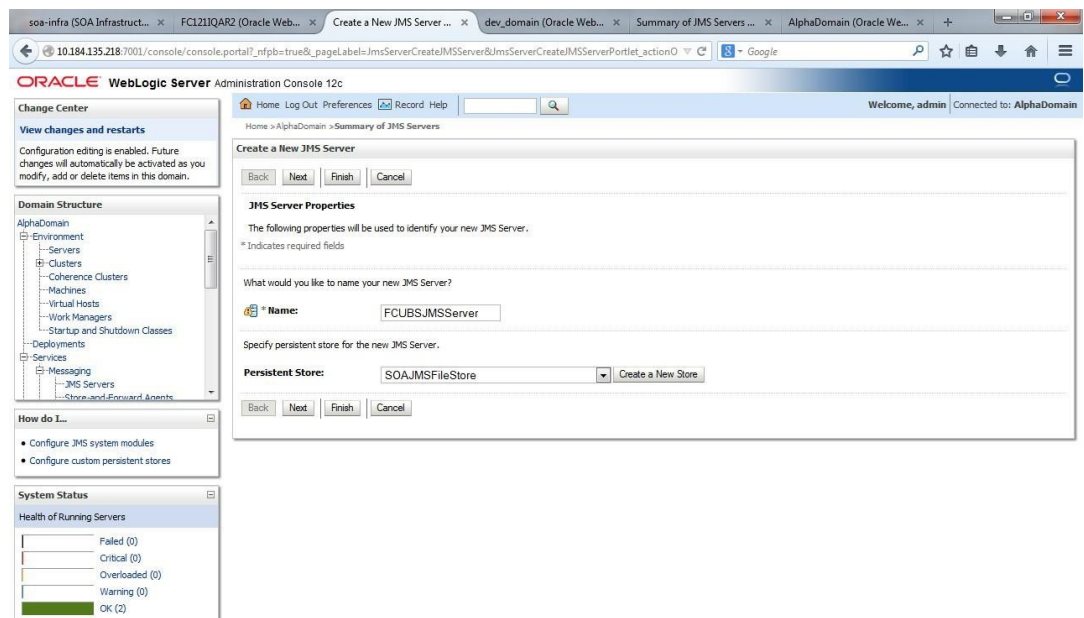
The **Summary of JMS Servers** screen displays.

Figure 1-23 Summary of JMS Servers

3. Specify the **Name** as FCUBSJMServer for JMS Server, select the **Persistent Store** as SOAJMSFileStore from the dropdown list and click **Next**.

The **Create a New JMS Server** screen displays.

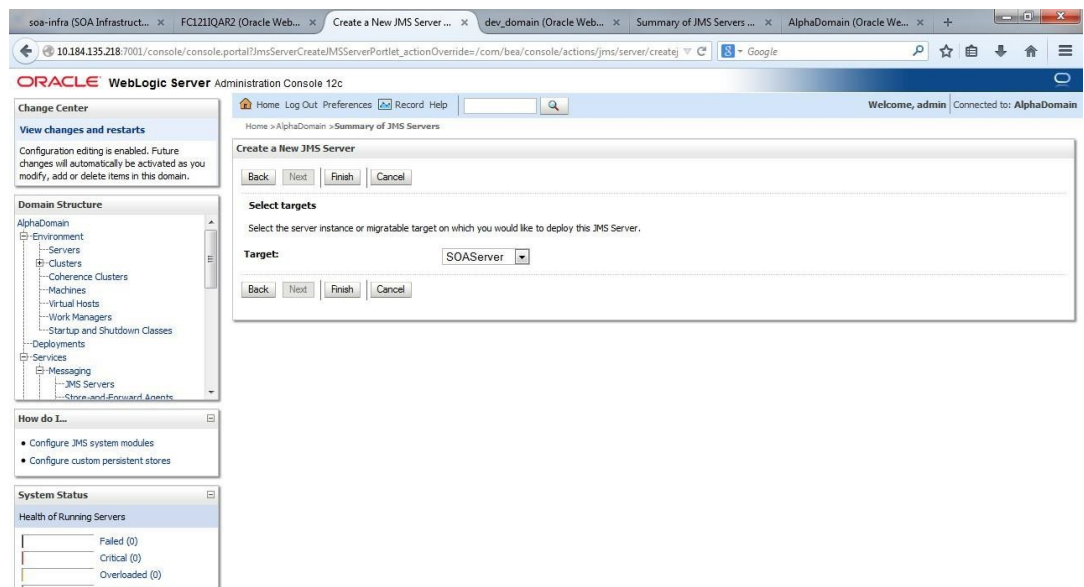
Figure 1-24 Create a New JMS Server



4. Select the **Target** as **SOAServer** from the dropdown list.

The **Create a New JMS Server - Target** screen displays.

Figure 1-25 Create a New JMS Server - Target



5. Click **Finish**.

Two messages displays on the **Summary of JMS Servers** screen.

Figure 1-26 Summary of JMS server - Messages

Oracle WebLogic Server Administration Console 12c

Home > AlphaDomain > Summary of JMS Servers

Messages

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

Summary of JMS Servers

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

Customize this table

JMS Servers (Filtered - More Columns Exist)

Name	Persistent Store	Target	Current Target	Health
BAMAlertEngineJmsServer	BAMAlertEngineJmsFileStore	BAMServer	BAMServer	
BAMCQServiceJmsServer	BAMCQServiceJmsFileStore_BAMServer	BAMServer	BAMServer	
BAMReportCacheJmsServer	BAMReportCacheJmsFileStore	BAMServer	BAMServer	
BAMServerJmsServer_BAMServer	BAMServerJmsFileStore_BAMServer	BAMServer	BAMServer	
BPMJmsServer	BPMJmsFileStore	SOAServer	SOAServer	✓ OK
FCUBSJmsServer	SOAJmsFileStore	SOAServer	SOAServer	✓ OK
SOAJmsServer	SOAJmsFileStore	SOAServer	SOAServer	✓ OK
UMSJmsServer_auto_1	UMSJmsFileStore_auto_1	BAMServer	BAMServer	
UMSJmsServer_auto_2	UMSJmsFileStore_auto_2	SOAServer	SOAServer	✓ OK

Showing 1 to 9 of 9 Previous | Next

6. Go back to **Weblogic Console** and click **JMS Modules** under **Domain Configurations - Services**.

The **Weblogic Console - JMS Module** screen displays.

Figure 1-27 Weblogic Console - JMS Module

Oracle WebLogic Server Administration Console 12c

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

Home Page

Information and Resources

Helpful Tools

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

Domain Configurations

Domain

- Domain

Environment

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

Your Deployed Resources

- Deployments

Your Application's Security Settings

- Security Realms

Services

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

Interoperability

- WTC Servers
- Jolt Connection Pools

Diagnostics

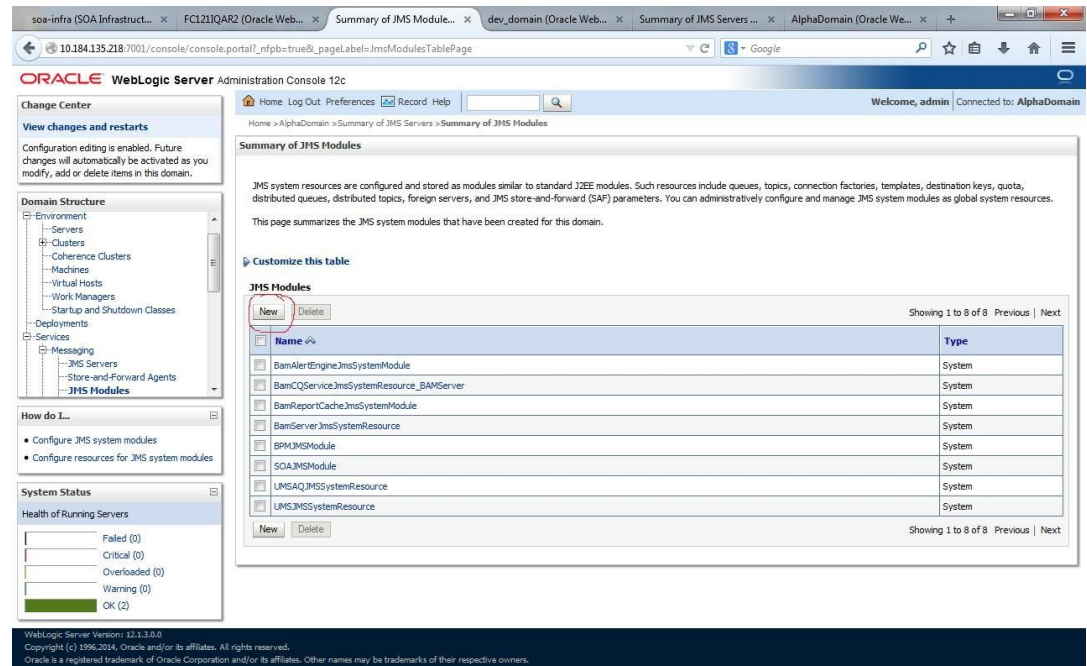
- Log Files
- Diagnostic Modules
- Built-in Diagnostic Modules
- Diagnostic Images
- Request Performance
- Archives
- Context
- SNMP

Charts and Graphs

- Monitoring Dashboard

The **Summary of JMS Modules** screen displays.

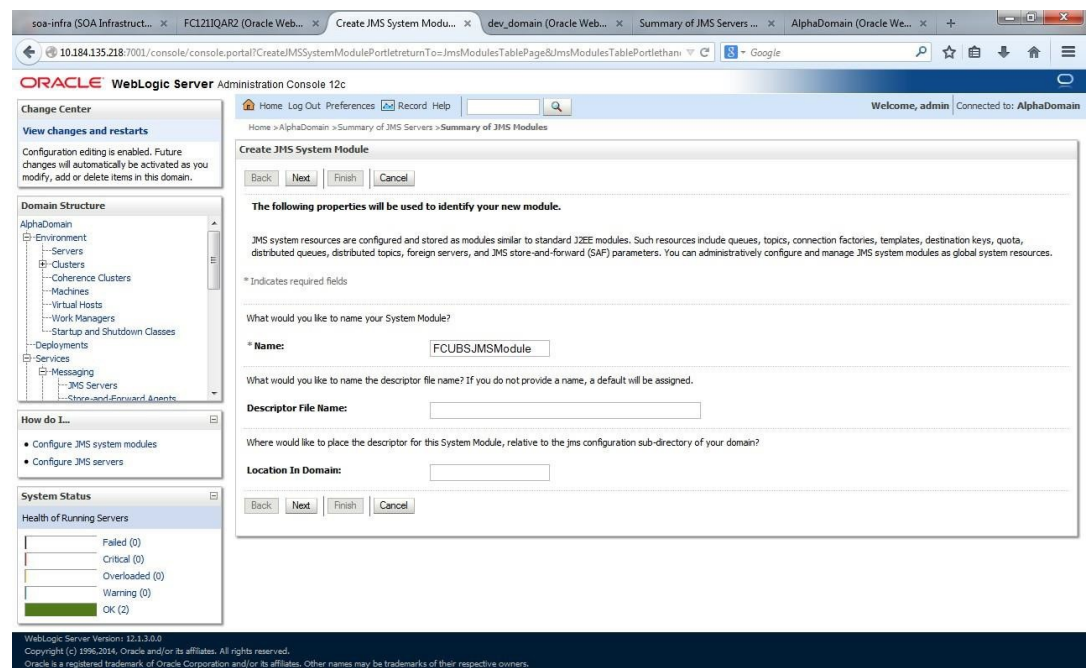
Figure 1-28 Summary of JMS Modules



7. On the **Summary of JMS Modules** screen, click **New**.

The **Create JMS System Module** screen displays.

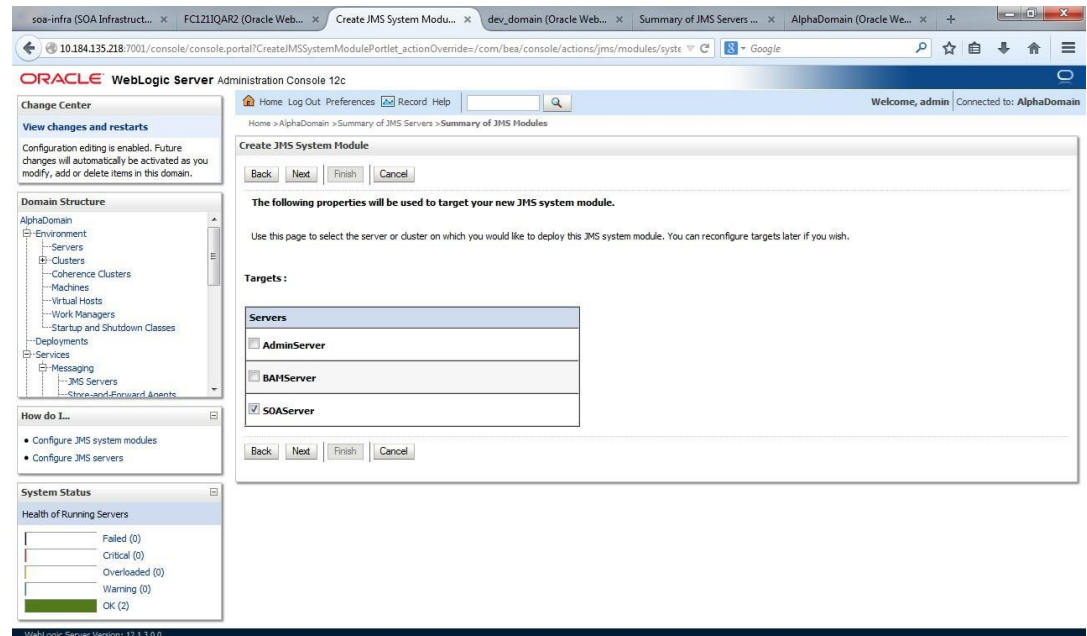
Figure 1-29 Create JMS System Module



8. Specify the **Name** as **FCUBSJMSModule**.

The **Create JMS System Module - Select Target** screen displays.

Figure 1-30 Create JMS System Module - Select Target

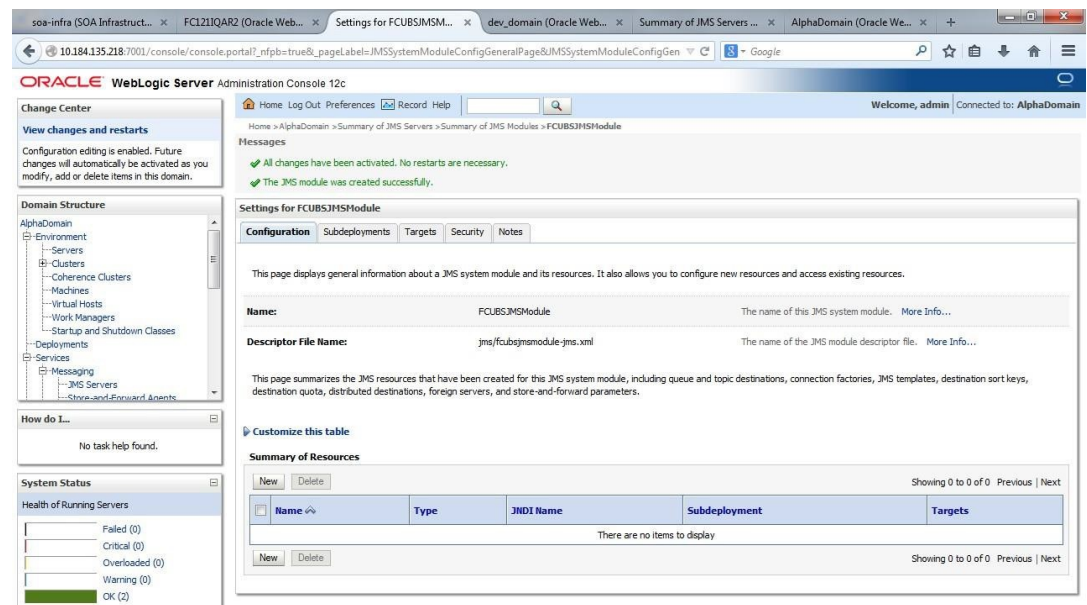


9. Click **Next**.

10. Select the **Target** as SOAServer and click **Finish**.

Two messages displays on the **Summary of JMS Modules** screen.

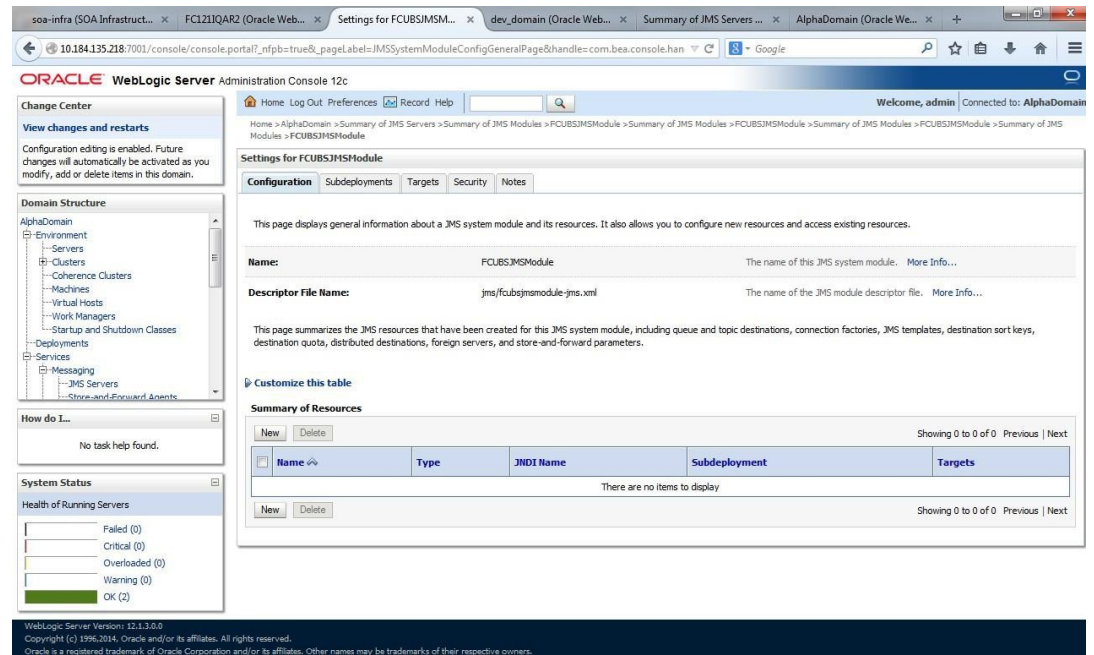
Figure 1-31 Summary of JMS Modules - Messages



11. Go back to **JMS Modules**, click on **FCUBSJMSModule**.

The **Settings for FCUBSJMSModule** screen displays.

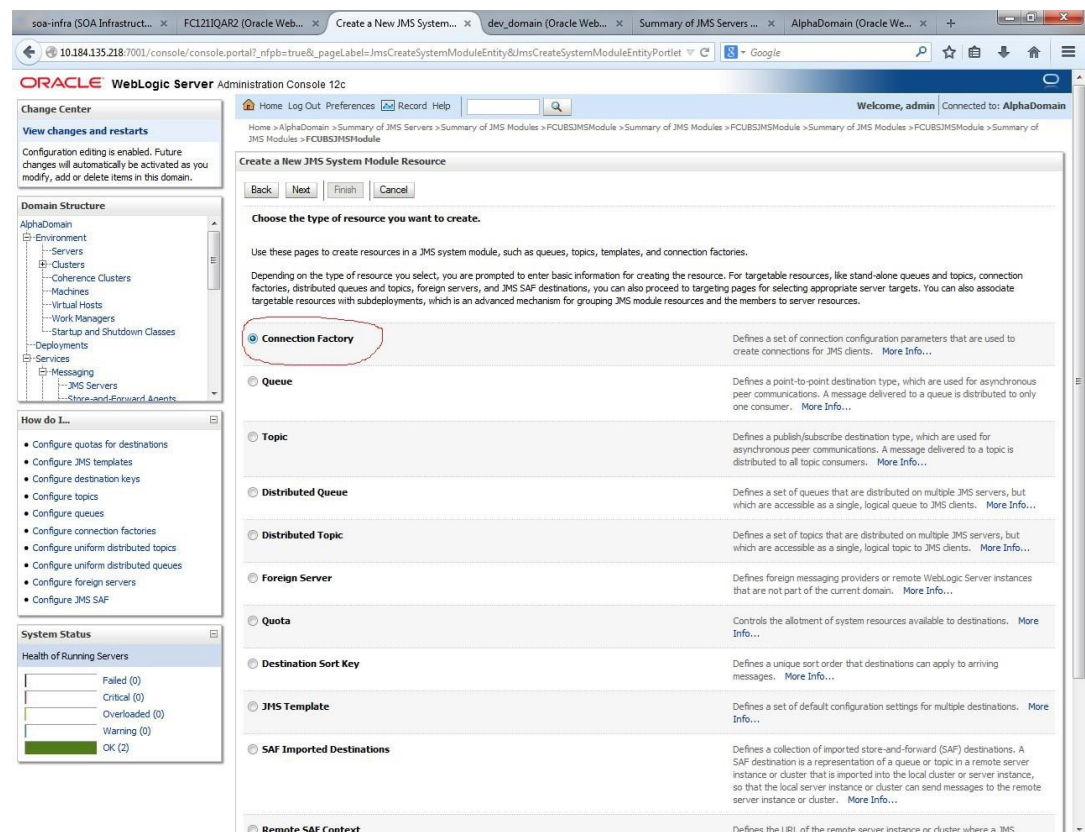
Figure 1-32 Settings for FCUBSJMSModule



12. Click New.

The **Create a New JMS System Module Resource** screen displays.

Figure 1-33 Create a New JMS System Module Resource



13. On the **Create a New JMS System Module Resource** screen, select **Connection Factory** and click **Next**.

The **Create a New JMS System Module Resource - Connection Factory Properties** screen displays.

Figure 1-34 Create a New JMS System Module Resource - Connection Factory Properties

The screenshot shows the Oracle WebLogic Server Administration Console. The main window displays the 'Create a New JMS System Module Resource' screen. The 'Connection Factory Properties' tab is selected. The 'Name' field is filled with 'FCUBSConnectionFactory'. The 'JNDI Name' field is filled with 'jndi/FCUBSConnectionFactory'. The 'Subscription Sharing Policy' is set to 'Exclusive'. The 'Client ID Policy' is set to 'Restricted'. The 'Maximum Messages per Session' is set to '10'. The 'XA Connection Factory Enabled' checkbox is checked. The 'Attach JMSX UserID' checkbox is unchecked. The left sidebar shows the 'Domain Structure' with 'FC142NGTEST' selected. The 'How do I...' section lists various configuration tasks. The 'System Status' section shows the health of running servers.

14. Specify **Name** as FCUBSConnectionFactory and click **Next**.

The **Create a New JMS System Module Resource - Advanced Targeting** screen displays.

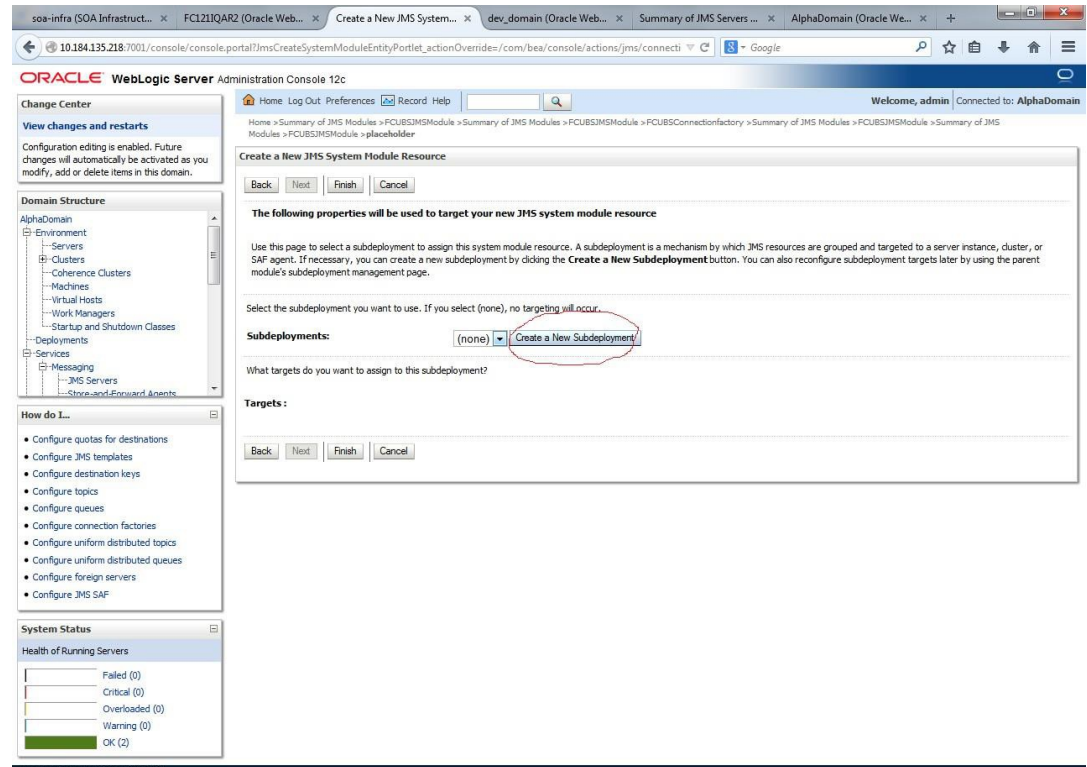
Figure 1-35 Create a New JMS System Module Resource - Advanced Targeting

The screenshot shows the Oracle WebLogic Server Administration Console. The main window displays the 'Create a New JMS System Module Resource' screen. The 'Advanced Targeting' tab is selected. The 'Servers' list shows 'SOAServer' selected. The left sidebar shows the 'Domain Structure' with 'AlphaDomain' selected. The 'How do I...' section lists various configuration tasks. The 'System Status' section shows the health of running servers.

15. Click the **Advanced Targeting** button.

The **Create a New JMS System Module Resource - Subdeployments** screen displays.

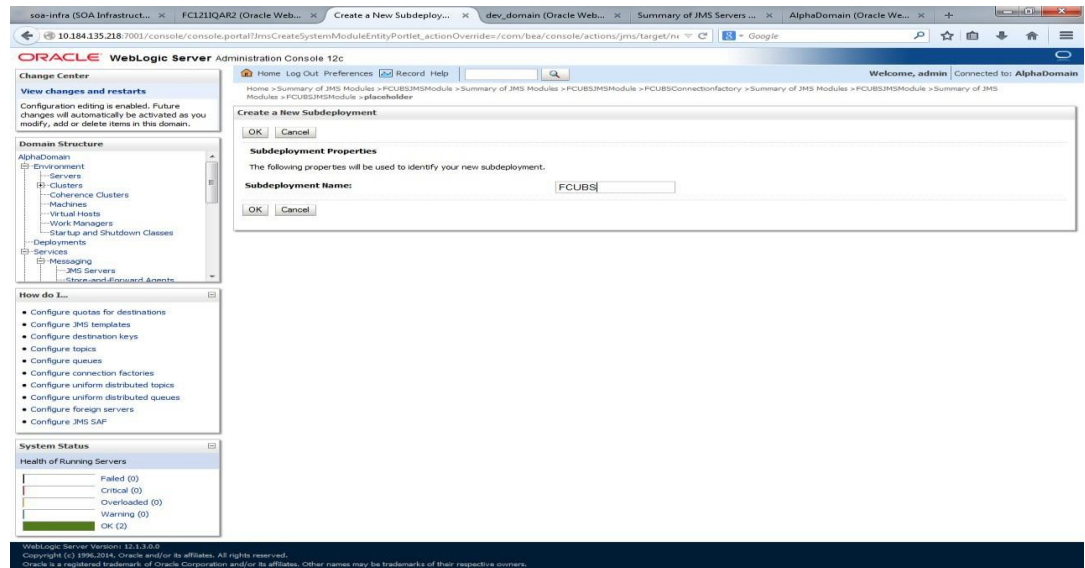
Figure 1-36 The Create a New JMS System Module Resource - Subdeployments



16. Click **Create New Sub Deployment** with the below name, and click **OK**.
17. Click **Next** and select the subdeployment you want to use.
18. If you not yet created a subdeployment, click **Create a New Subdeployment** and specify the **Subdeployment Name** and click **OK**.

The **Create a New Subdeployments** screen displays.

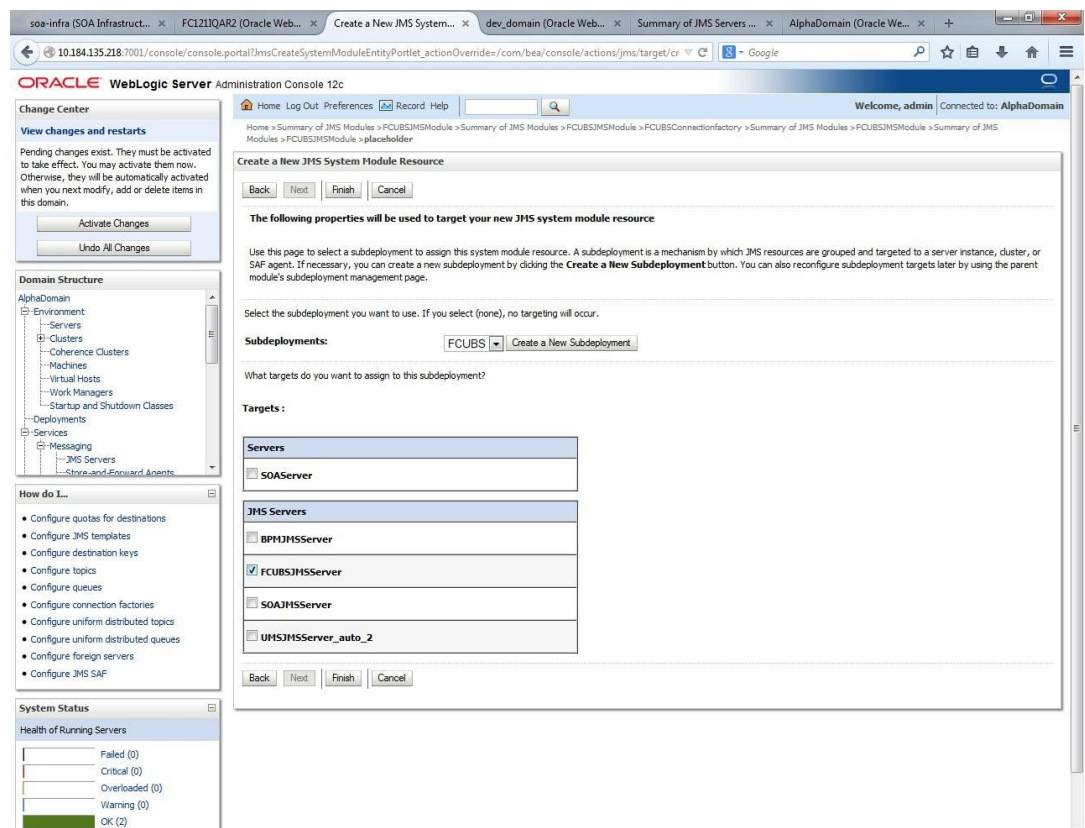
Figure 1-37 Create a New Subdeployments



19. Click **Next** and select **Targets** as FCUBSJMS Servers.

The **Create a New JMS System Module Resource - Select Target** screen displays.

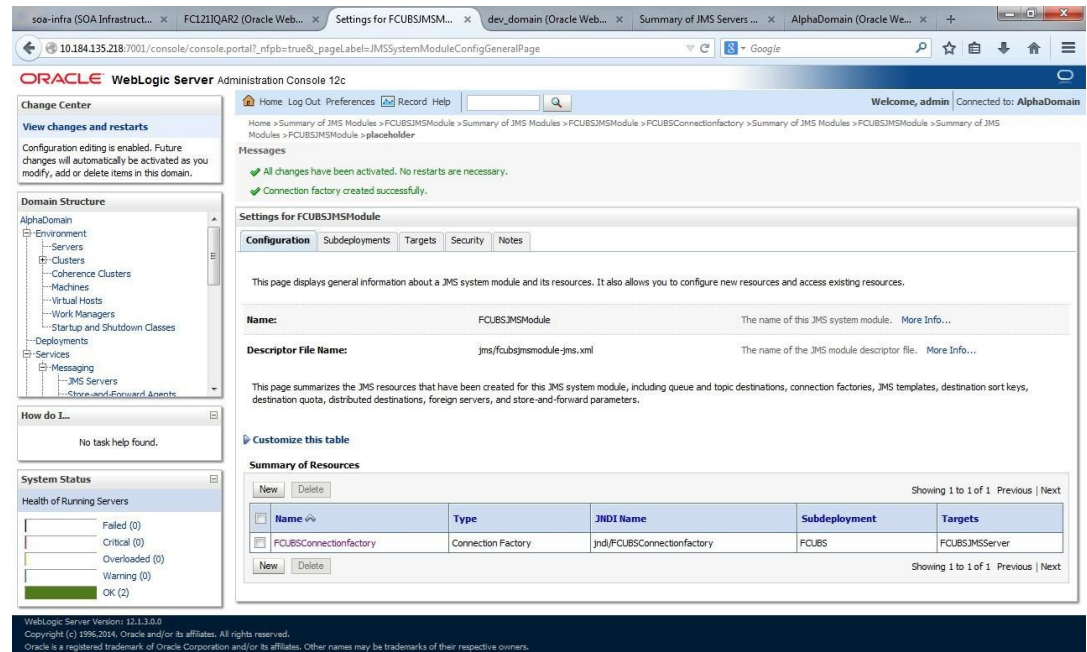
Figure 1-38 Create a New JMS System Module Resource - Select Target



20. Click **Finish**.

Two messages displays on the **Settings for FCUBSJMSModule** screen.

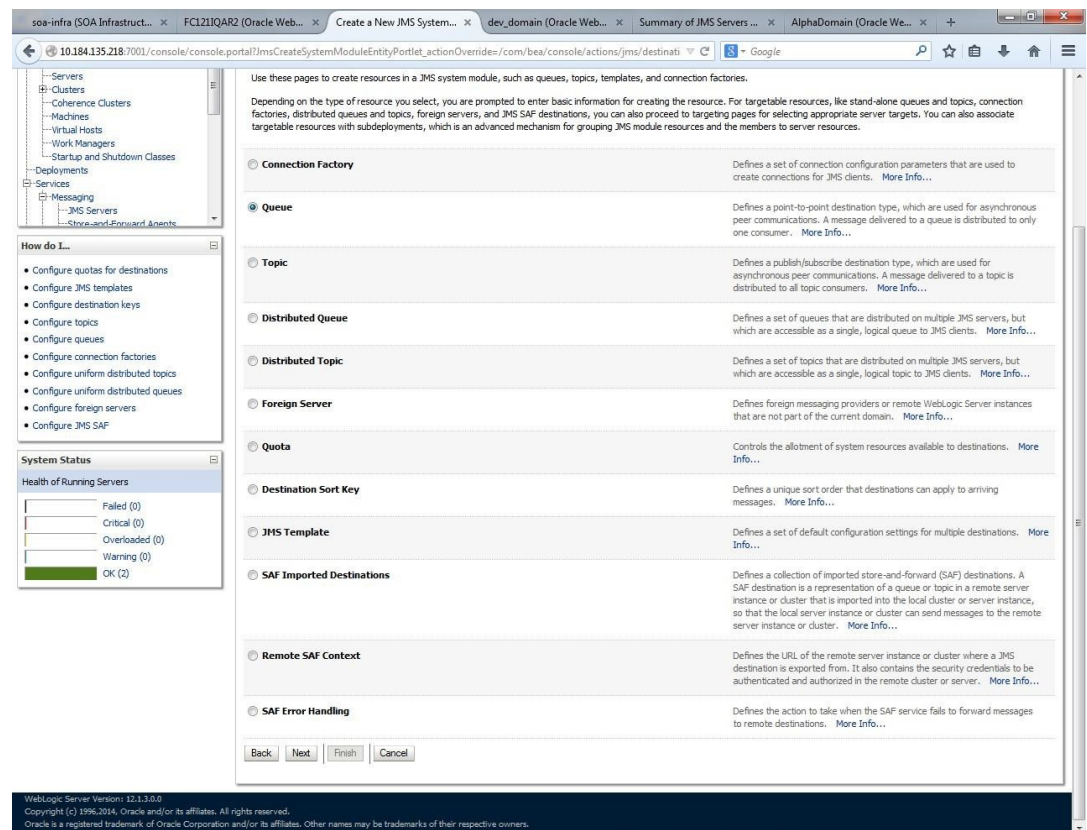
Figure 1-39 Settings for FCUBSJMSModule - Messages



- Go back to **Weblogic Console**, click on **JMS Modules**, click **New**, select **Queue**, and click on **Next**.

The **Create a New JMS System - Queue** screen displays.

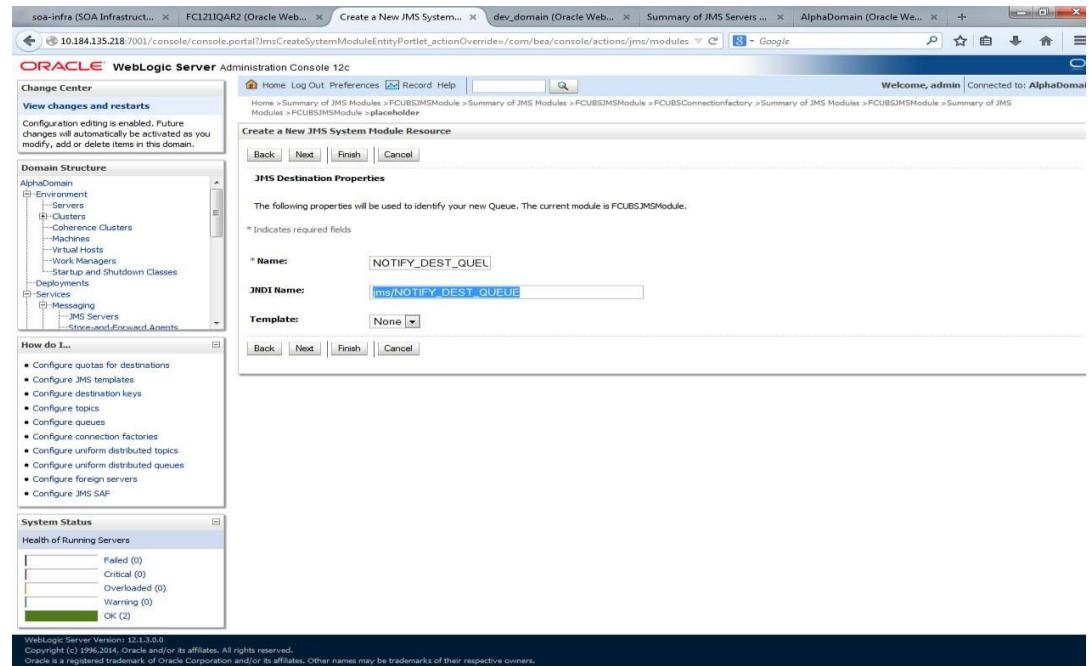
Figure 1-40 Create a New JMS System - Queue



22. Specify **Name** as NOTIFY_DEST_QUEUE and **JNDI Name** as jms/NOTIFY_DEST_QUEUE and click **Next**.

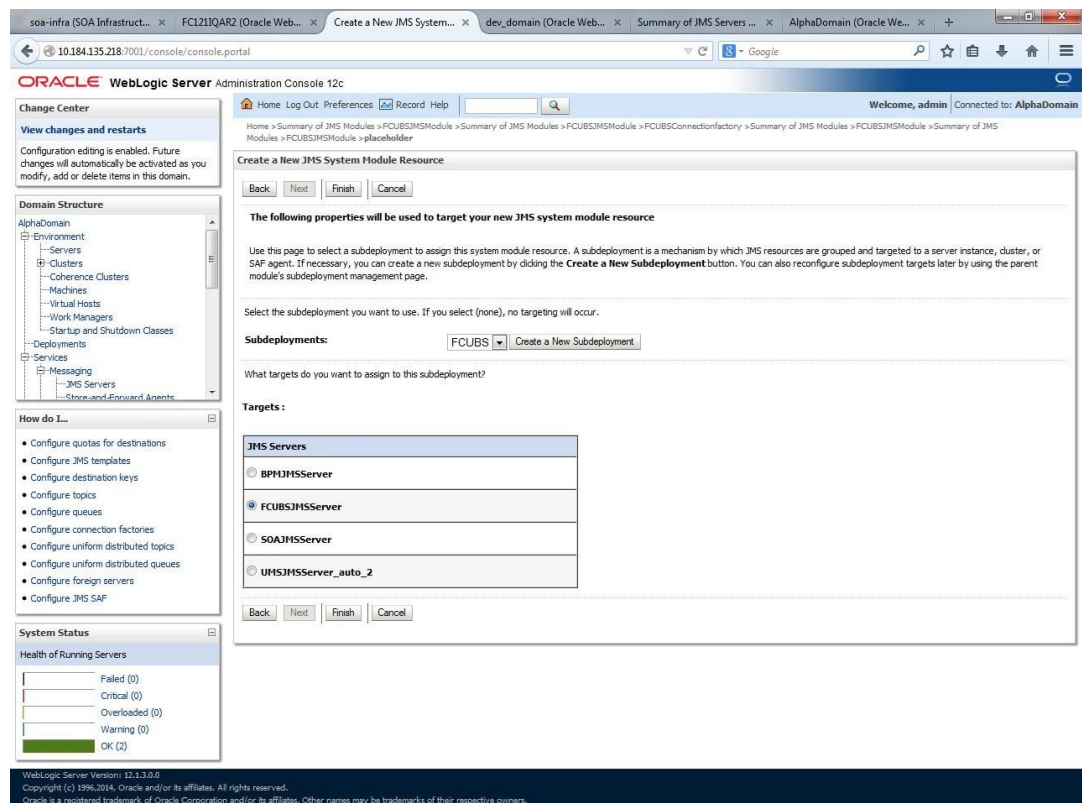
The **JMS Destination Properties** screen displays.

Figure 1-41 JMS Destination Properties



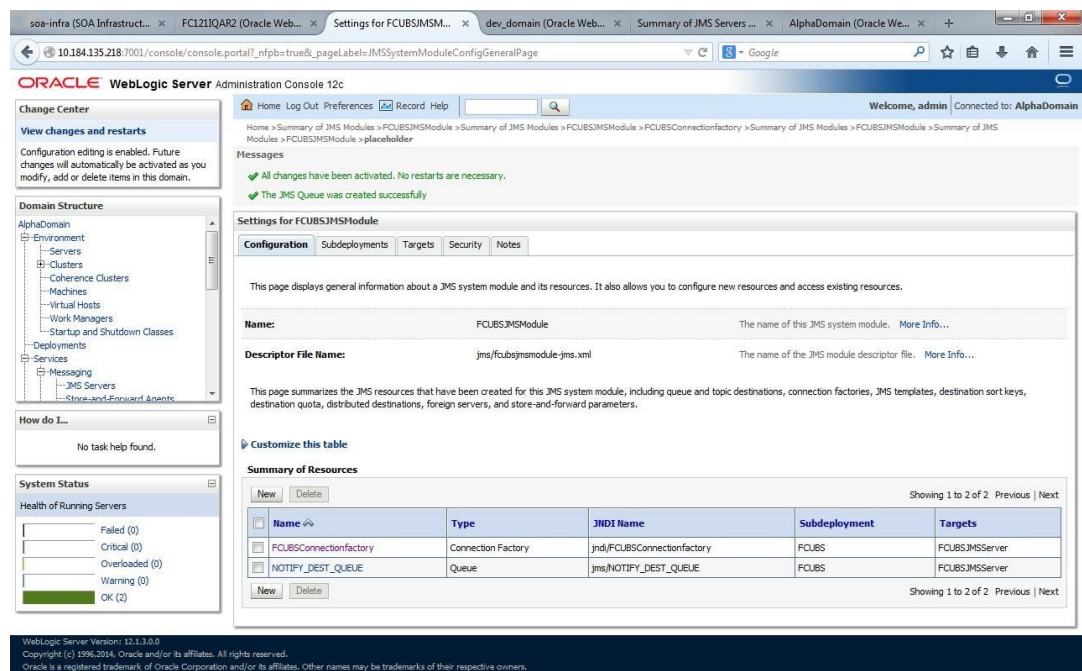
23. Select the **Subdeployments** from the drop-down list that you created earlier, select the **Targets** as JMS Servers.

The **Create a New JMS System Module Resource - Subdeployments and Select Targets** screen displays.

Figure 1-42 Create a New JMS System Module Resource - Subdeployments and Targets

24. Click on **Finish**.

Two messages displays the **Settings for FCUBSJMSModule** screen.

Figure 1-43 Settings for FCUBSJMSModule - Messages

25. 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. (Repeat the
steps from 14 to 21).
26. Go to **Weblogic Console**, click **Deployment**.
The **Summary of Deployment** screen displays.

Figure 1-44 Settings for JMSAdapter

Application	Status	Health	Type	Server	Port
DMS Application (12.1.3.0.0)	Active	OK	Web Application	AdminServer, BAMServer, SOAServer	5
em	Active	OK	Enterprise Application	AdminServer	400
FCUBSAppJUT (12.1.0.0.0)	Active	Warning	Enterprise Application	SOAServer	600
FileAdapter	Active	OK	Resource Adapter	SOAServer	321
freewo	Active	OK	Enterprise Application	SOAServer	100
FileAdapter	Active	OK	Resource Adapter	SOAServer	325
GWWebServices (12.1.0.0.0)	Active	OK	Enterprise Application	SOAServer	600
DEWorldAdapter	Installed		Resource Adapter		333
JMSAdapter	Active	OK	Resource Adapter	SOAServer	323
LdapAdapter (JmsAdapter, Level 1, 19 of 46)	Installed		Resource Adapter		332
MQSeriesAdapter	Active	OK	Resource Adapter	SOAServer	327
MSMQAdapter	Installed		Resource Adapter		334
OAAAPredictionService	Active	OK	Enterprise Application	SOAServer	100
OracleAppsAdapter	Active	OK	Resource Adapter	SOAServer	328
OracleBamAdapter	Installed		Resource Adapter		329
OracleSPMACServerApp	Active	OK	Enterprise Application	SOAServer	384
OracleSPMComposerRolesApp	Active	OK	Enterprise Application	SOAServer	382
OracleSPMProcessRolesApp	Active	OK	Enterprise Application	SOAServer	381
OracleSPMWorkspace	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-webservices	Active	OK	Enterprise Application	SOAServer	360

27. Select **JMS Adapter**.

The **Settings for JMSAdapter - Configuration - Outbound Connection Pools** screen displays.

Figure 1-45 Settings for JMSAdapter - Outbound Connection Pools Configuration

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)

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.tip.adapter.jms.IJmsConnectionFactory	oracle.tip.adapter.jms.IJmsConnectionFactory
eis/activemq/Queue	oracle.tip.adapter.jms.IJmsConnectionFactory
eis/agms/EDNLocalTxDurableTopic	oracle.tip.adapter.jms.IJmsConnectionFactory
eis/agms/EDNLocalTxTopic	oracle.tip.adapter.jms.IJmsConnectionFactory
eis/agms/EDNxaDurableTopic	oracle.tip.adapter.jms.IJmsConnectionFactory
eis/agms/EDNxaTopic	oracle.tip.adapter.jms.IJmsConnectionFactory
eis/agms/Queue	oracle.tip.adapter.jms.IJmsConnectionFactory
eis/agms/Topic	oracle.tip.adapter.jms.IJmsConnectionFactory
eis/foranoma/Topic	oracle.tip.adapter.jms.IJmsConnectionFactory
eis/jbossmq/Queue	oracle.tip.adapter.jms.IJmsConnectionFactory
eis/jms/aaab2QueueCF	oracle.tip.adapter.jms.IJmsConnectionFactory
eis/jms/aaabErrorTopicCF	oracle.tip.adapter.jms.IJmsConnectionFactory
eis/pramati/Queue	oracle.tip.adapter.jms.IJmsConnectionFactory
eis/sunmq/Queue	oracle.tip.adapter.jms.IJmsConnectionFactory
eis/tbjms/Queue	oracle.tip.adapter.jms.IJmsConnectionFactory
eis/tbjms/Topic	oracle.tip.adapter.jms.IJmsConnectionFactory
eis/tbjmsDirect/Queue	oracle.tip.adapter.jms.IJmsConnectionFactory
eis/tbjmsDirect/Topic	oracle.tip.adapter.jms.IJmsConnectionFactory
eis/webSpheremq/Queue	oracle.tip.adapter.jms.IJmsConnectionFactory
eis/wls/EDNLocalTxDurableTopic	oracle.tip.adapter.jms.IJmsConnectionFactory
eis/wls/EDNLocalTxTopic	oracle.tip.adapter.jms.IJmsConnectionFactory
eis/wls/EDNxaDurableTopic	oracle.tip.adapter.jms.IJmsConnectionFactory
eis/wls/EDNxaTopic	oracle.tip.adapter.jms.IJmsConnectionFactory
eis/wls/Queue	oracle.tip.adapter.jms.IJmsConnectionFactory
eis/wls/Topic	oracle.tip.adapter.jms.IJmsConnectionFactory

28. Click **Configuration** tab, select **Outbound Connection Pools** and expand **oracle.tip.adapter.jms.IJmsConnectionFactory**.

The **Create a New Outbound Connection** screen displays.

Figure 1-46 Create a New Outbound Connection

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)

ORACLE WebLogic Server Administration Console 12c

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

Home > FCUBSModule > placeholder > Summary of Deployments > JmsAdapter > Summary of Deployments > JmsAdapter > Summary of Deployments > JmsAdapter > Summary of Deployments > JmsAdapter

Create a New Outbound Connection

Back | Next | Finish | Cancel

Outbound Connection Group

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

Outbound Connection Groups

Showing 1 to 1 of 1 | Previous | Next

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

Showing 1 to 1 of 1 | Previous | Next

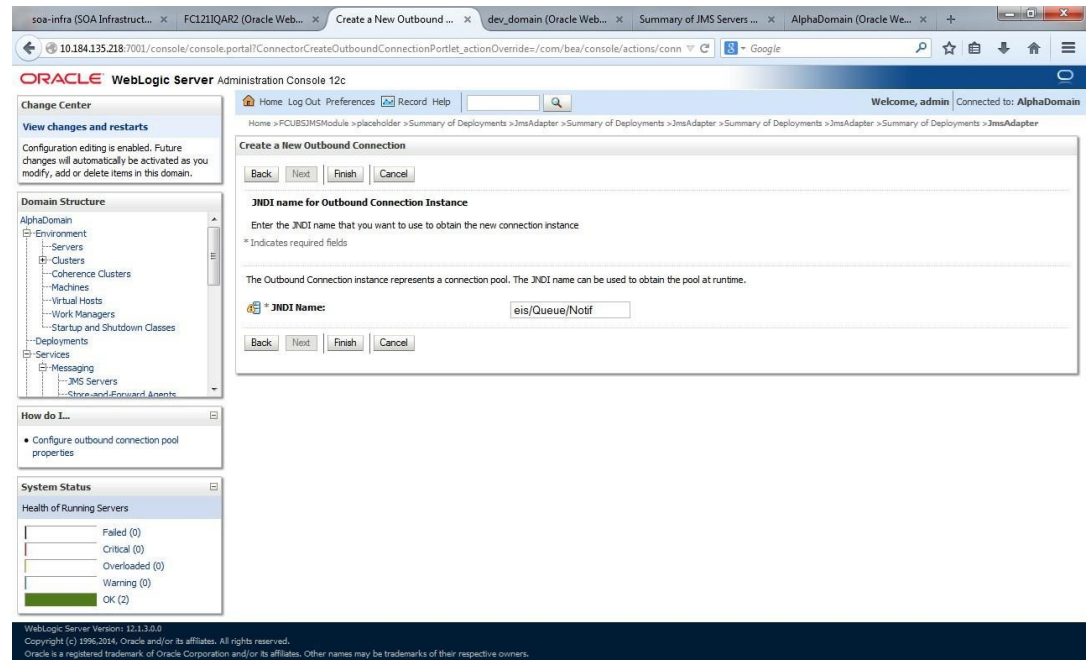
Back | Next | Finish | Cancel

WebLogic Server Version: 12.1.3.0.0
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29. Click **New**.
30. Select the **Outbound Connection Group** and click **Next**.

The **Create a New Outbound Connection - JNDI Name for Outbound Connection Instance** screen displays.

Figure 1-47 Create a New Outbound Connection - JNDI Name for Outbound Connection Instance



31. Specify the **JNDI Name** as eis/Queue/Notif and click **Finish**.
32. The eis/Queue/Notif is listed in the Outbound Connection Pool Configuration Table on the **Settings for JMSAdapter** screen.

The **Settings for JMSAdapter - Table** screen displays.

Figure 1-48 Settings for JMSAdapter - Outbound Connection Pool Configuration Table

The screenshot displays the Oracle WebLogic Server Administration Console. The left sidebar shows the domain structure with 'JMS Servers' selected. The main area shows the 'Outbound Connection Pool Configuration Table' for 'oracle.tip.adapter.jms.IJmsConnectionFactory'. The table lists various connection pool instances and their corresponding connection factory interfaces.

Groups and Instances	Connection Factory Interface
oracle.tip.adapter.jms.IJmsConnectionFactory	oracle.tip.adapter.jms.IJmsConnectionFactory
eis/activemq/Queue	oracle.tip.adapter.jms.IJmsConnectionFactory
eis/aqjms/EDNLocalTxDurableTopic	oracle.tip.adapter.jms.IJmsConnectionFactory
eis/aqjms/EDNLocalTxTopic	oracle.tip.adapter.jms.IJmsConnectionFactory
eis/aqjms/EDNNoDurableTopic	oracle.tip.adapter.jms.IJmsConnectionFactory
eis/aqjms/EDNNoTopic	oracle.tip.adapter.jms.IJmsConnectionFactory
eis/aqjms/Queue	oracle.tip.adapter.jms.IJmsConnectionFactory
eis/aqjms/Topic	oracle.tip.adapter.jms.IJmsConnectionFactory
eis/foranoma/Topic	oracle.tip.adapter.jms.IJmsConnectionFactory
eis/jbossmq/Queue	oracle.tip.adapter.jms.IJmsConnectionFactory
eis/jms/jmsB2BQueueCF	oracle.tip.adapter.jms.IJmsConnectionFactory
eis/jms/jmsErrorTopicCF	oracle.tip.adapter.jms.IJmsConnectionFactory
eis/jrmat/Queue	oracle.tip.adapter.jms.IJmsConnectionFactory
eis/Queue/Notif	oracle.tip.adapter.jms.IJmsConnectionFactory
eis/sunmq/Queue	oracle.tip.adapter.jms.IJmsConnectionFactory
eis/tb/jms/Queue	oracle.tip.adapter.jms.IJmsConnectionFactory
eis/tb/jms/Topic	oracle.tip.adapter.jms.IJmsConnectionFactory
eis/tb/jmsDirect/Queue	oracle.tip.adapter.jms.IJmsConnectionFactory
eis/tb/jmsDirect/Topic	oracle.tip.adapter.jms.IJmsConnectionFactory
eis/webapphermq/Queue	oracle.tip.adapter.jms.IJmsConnectionFactory
eis/wls/EDNLocalTxDurableTopic	oracle.tip.adapter.jms.IJmsConnectionFactory
eis/wls/EDNLocalTxTopic	oracle.tip.adapter.jms.IJmsConnectionFactory
eis/wls/EDNNoDurableTopic	oracle.tip.adapter.jms.IJmsConnectionFactory
eis/wls/EDNNoTopic	oracle.tip.adapter.jms.IJmsConnectionFactory
eis/wls/Queue	oracle.tip.adapter.jms.IJmsConnectionFactory
eis/wls/Topic	oracle.tip.adapter.jms.IJmsConnectionFactory

33. Click on the Outbound connection pool with **eis/Queue/Notif** and specify the connection factory location as **jdbc/FCUBSConnectionFactory**, and press enter.

The **Settings for oracle.tip.adapter.jms.IJmsConnectionFactory** screen displays.

Figure 1-49 Settings for oracle.tip.adapter.jms.IJmsConnectionFactory

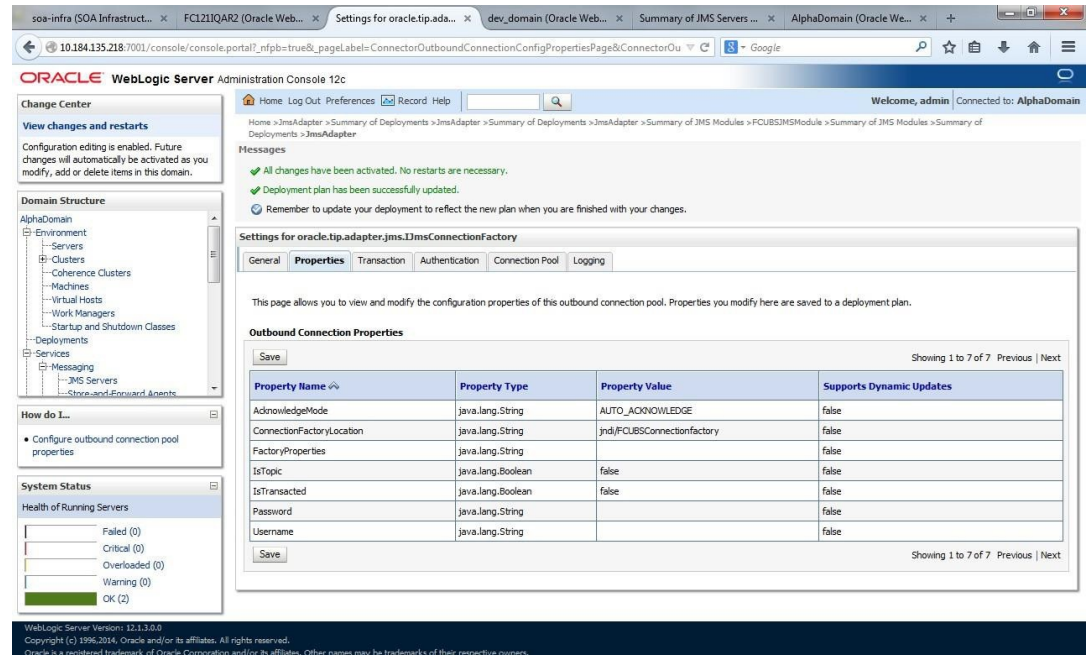
The screenshot displays the Oracle WebLogic Server Administration Console. The left sidebar shows the domain structure with 'JMS Servers' selected. The main area shows the 'Settings for oracle.tip.adapter.jms.IJmsConnectionFactory' screen. The 'Properties' tab is active, showing a table of outbound connection properties.

Property Name	Property Type	Property Value	Supports Dynamic Updates
AcknowledgeMode	java.lang.String	AUTO_ACKNOWLEDGE	false
ConnectionFactoryLocation	java.lang.String	jdbc/FCUBSConnec	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

34. Click on **Save**.

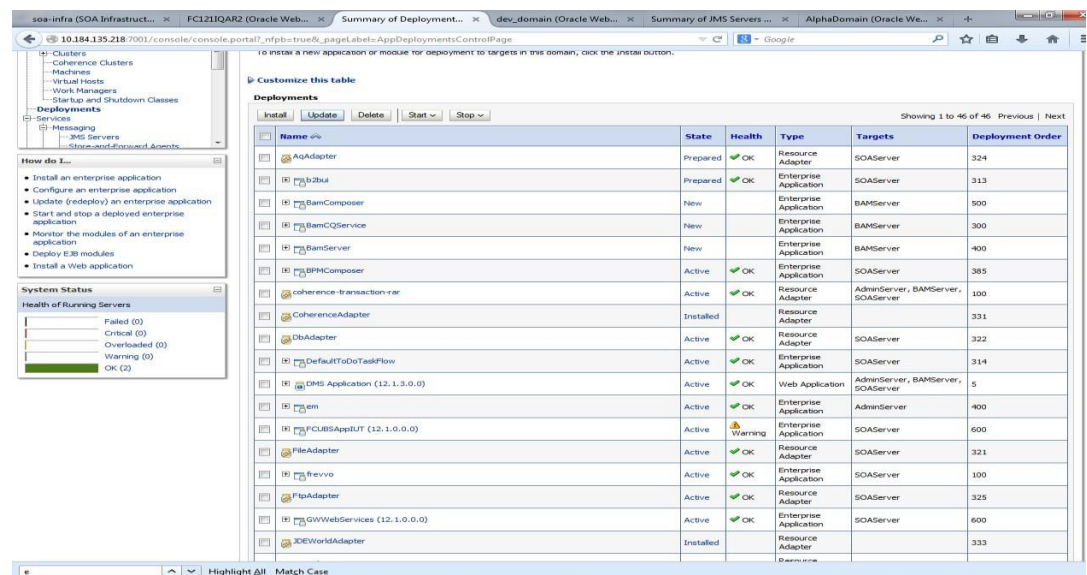
Two messages displays on the **Settings for oracle.tip.adapter.jms.IJmsConnectionFactory** screen.

Figure 1-50 Settings for oracle.tip.adapter.jms.IJmsConnectionFactory - Messages

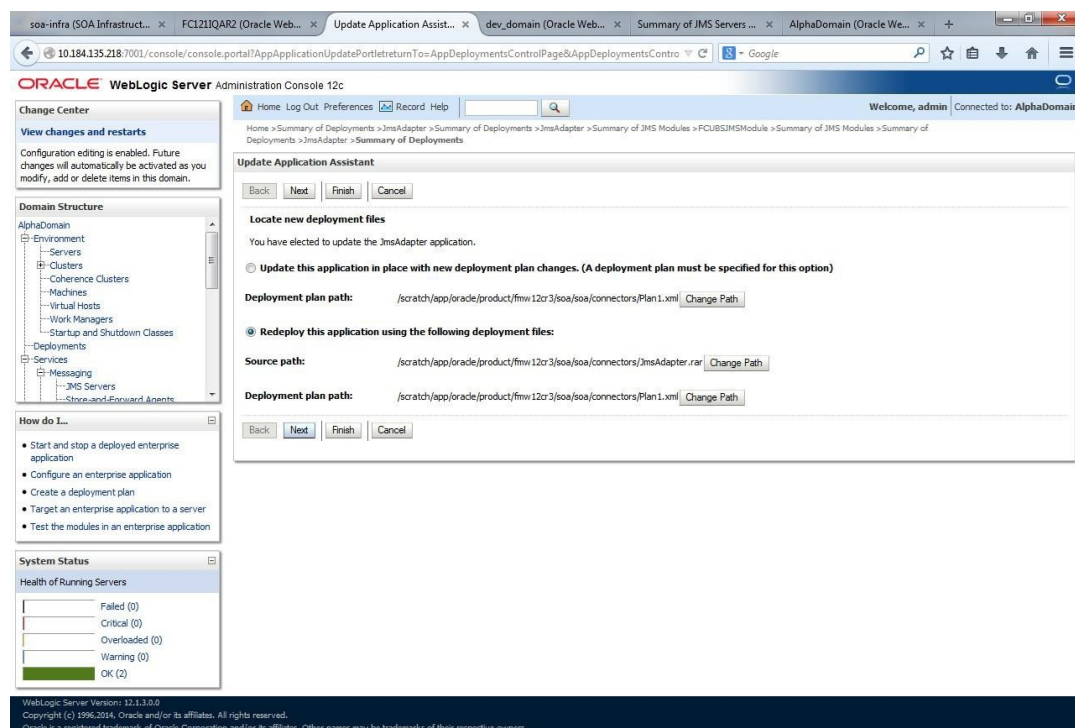
35. Go to **Weblogic Console**, click **Deployment**, and select **JMS Adapter**.

The **Summary of Deployments** screen displays.

Figure 1-51 Summary of Deployments

36. Click **Update**.

The **Update Application Assistant** screen displays.

Figure 1-52 Update Application Assistant**37. Click **Next** and then click **Finish**.**

The two messages displays on the **Summary of Deployments** screen.

Figure 1-53 Summary of Deployments - Messages

The screenshot shows the Oracle WebLogic Server Administration Console. The left sidebar contains the Domain Structure tree with 'Deployments' selected. The main area displays the 'Summary of Deployments' page. At the top, there are messages indicating that all changes have been activated and no restarts are necessary. Below this, a table lists the deployed applications and modules. The table has columns for Name, State, Health, Type, Targets, and Deployment Order. The table shows 11 items, including AqAdapter, B2BUI, B2BComposer, B2BService, B2BServer, BPMComposer, Coherence-transaction-rar, CoherenceAdapter, DbAdapter, DefaultTTToTaskFlow, and DMS Application.

Name	State	Health	Type	Targets	Deployment Order
AqAdapter	Prepared	OK	Resource Adapter	SOAServer	324
B2BUI	Prepared	OK	Enterprise Application	SOAServer	313
B2BComposer	New		Enterprise Application	BAMServer	500
B2BService	New		Enterprise Application	BAMServer	300
B2BServer	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
DefaultTTToTaskFlow	Active	OK	Enterprise Application	SOAServer	314
DMS Application (12.1.3.0.0)	Active	OK	Web Application	AdminServer, BAMServer, SOAServer	5

38. Create the Outbound Connection Pool with the **eis/wls/Queue** name in the Deployments using Connection Factory **jndi/FCUBSConnectionFactory**.

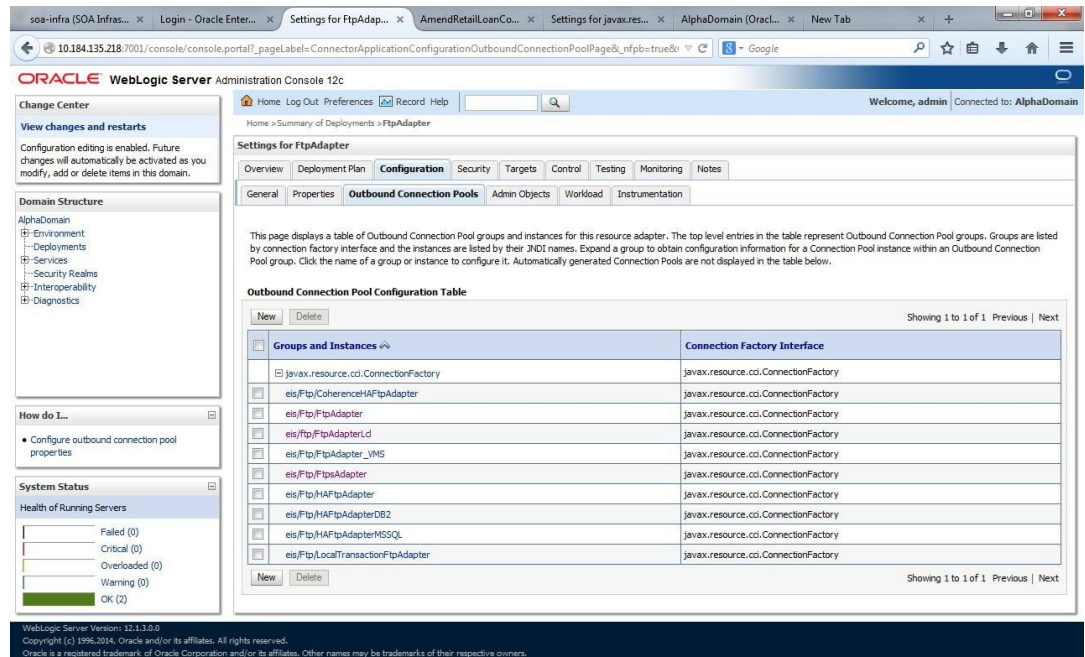
1.2.7 Configure FTP Adapter

This topic explains to configure FTP Adapter using the below steps.

1. Login to **Weblogic Console**, click **Deployment**, and select **FTP Adapter**.
2. Click the **Configurations** tab and select **Outbound Connection Pool**.

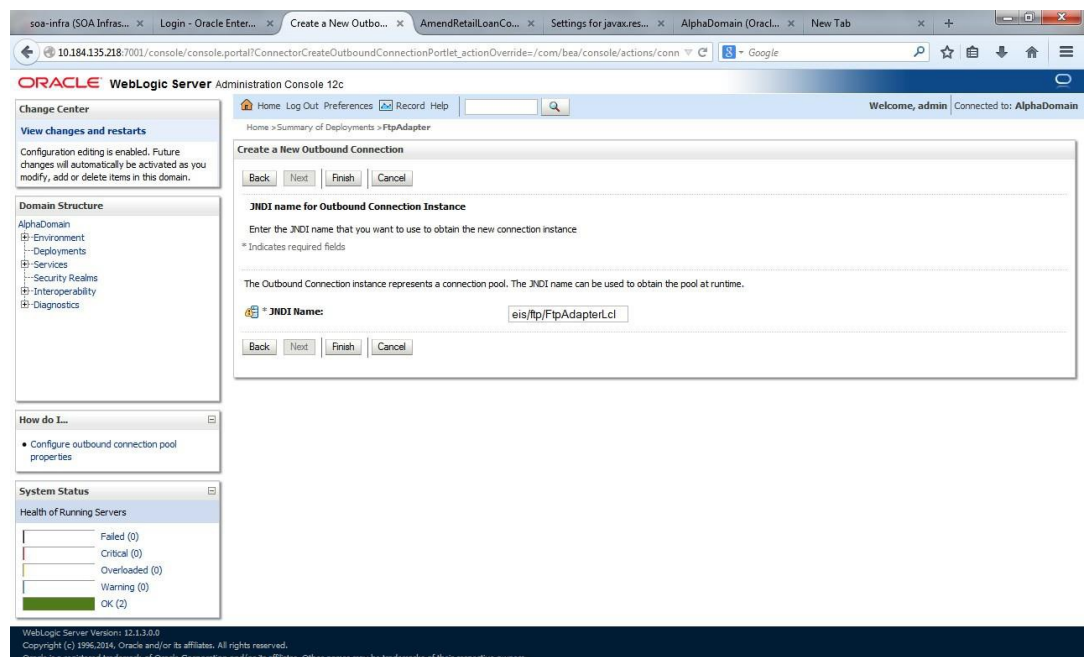
The **Outbound Connection Pool** screen displays.

Figure 1-54 Outbound Connection Pool

3. Click **New**.

The **Create a New Outbound Connection** screen displays.

Figure 1-55 Create a New Outbound Connection

4. Specify **eis/ftp/FtpAdapterLcl** in the **JNDI Name** field.5. Click **Finish** and **Save**.

This topic contains the following sub-topic:

- [BIP Interactive reports configuration](#)

This topic explains systematic instructions to configure the BIP Interactive reports with BPEL.

1.2.7.1 BIP Interactive reports configuration

This topic explains systematic instructions to configure the BIP Interactive reports with BPEL.

To configure BPEL with BIP interactive reports, follow the instructions below:

1. Login to the **BIP domain console**, <http://s:<hostname>:<port>/console>.
2. To add the FCJCustomProvider, refer to steps from *Configure Custom Authentication Provider* topic.
3. Navigate to **Security realms** and click **myrealm**, and then click **Users and Groups** tab.

The **Settings for myrealm - Users and Groups** screen displays.

Figure 1-56 Settings for myrealm - Users and Groups

The screenshot shows the Oracle WebLogic Server Administration Console. The 'Settings for myrealm' page is displayed, with the 'Users and Groups' tab selected. The 'Users' sub-tab is active, showing a table of users. The table has columns for Name, Description, and Provider. The following table represents the data shown in the screenshot:

Name	Description	Provider
000ANVT1	Default Admin User 1	FCJCustomProvider
11111RM_3	Siveta	FCJCustomProvider
11111RM_4	RM	FCJCustomProvider
112233	Default Admin User 10	FCJCustomProvider
121212	Default Admin User 10	FCJCustomProvider
123456	SANKER GS	FCJCustomProvider
141414	Default Admin User 10	FCJCustomProvider
15259A03	Kumar	FCJCustomProvider
3M20862	BALA	FCJCustomProvider
20862A1	Bala	FCJCustomProvider

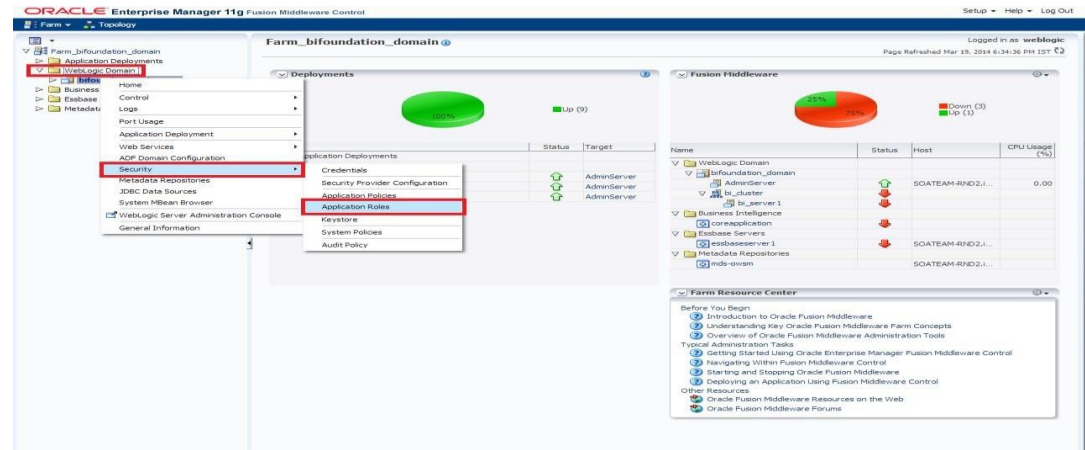
Note

Check if the users from the schema, display in the **Users** tab, and the roles from the schema are displayed under the **Groups** tab.

4. Login to the **Enterprise Manager** (em) <http://s:<hostname>:<port>/em>.
 - Right click the domain (in which BI suite is installed) under the WebLogic domain.
 - Go to **Security** and then navigate to **Application Roles**.

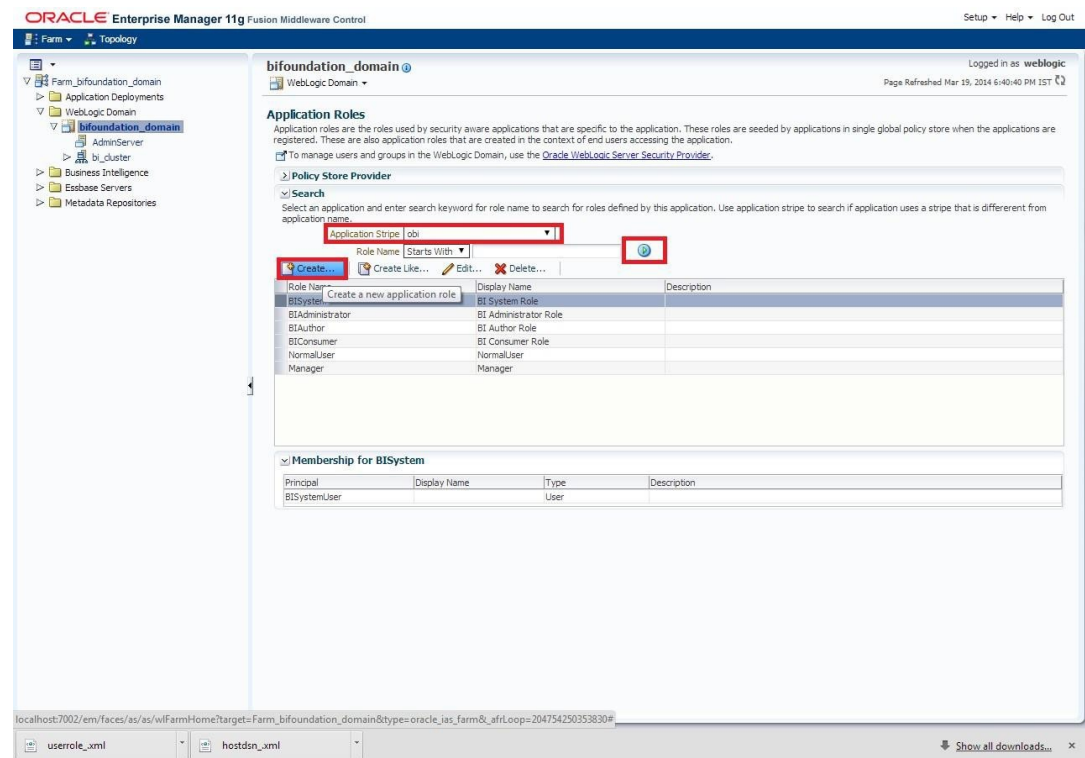
The **Enterprise Manager** screen displays.

Figure 1-57 Enterprise Manager



5. Navigate to the **Application Roles** screen, specify the following details:
 - a. Select **obi** from the **Application Stripe** drop-down.
 - b. Click the **Search** button.
 - c. Click the **Create** button to add a role.
- The **Application Roles** screen displays.

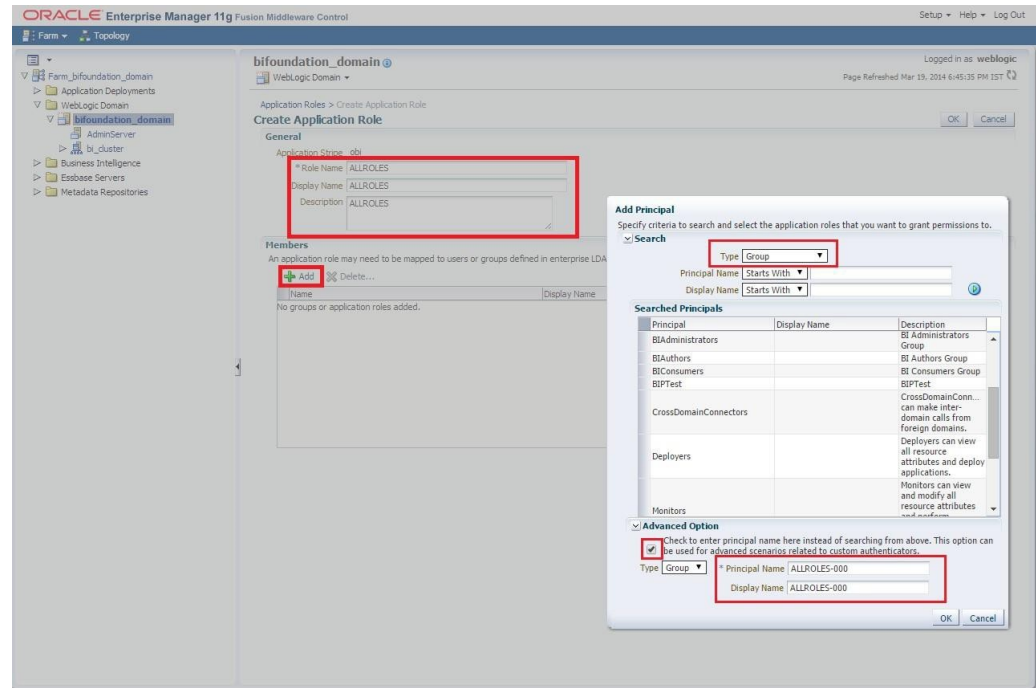
Figure 1-58 Application Roles



6. On the **Create Application Role** screen, specify the following details:
 - a. Specify the **Role Name** (mandatory), **Display Name** (optional) and **Description** (optional).

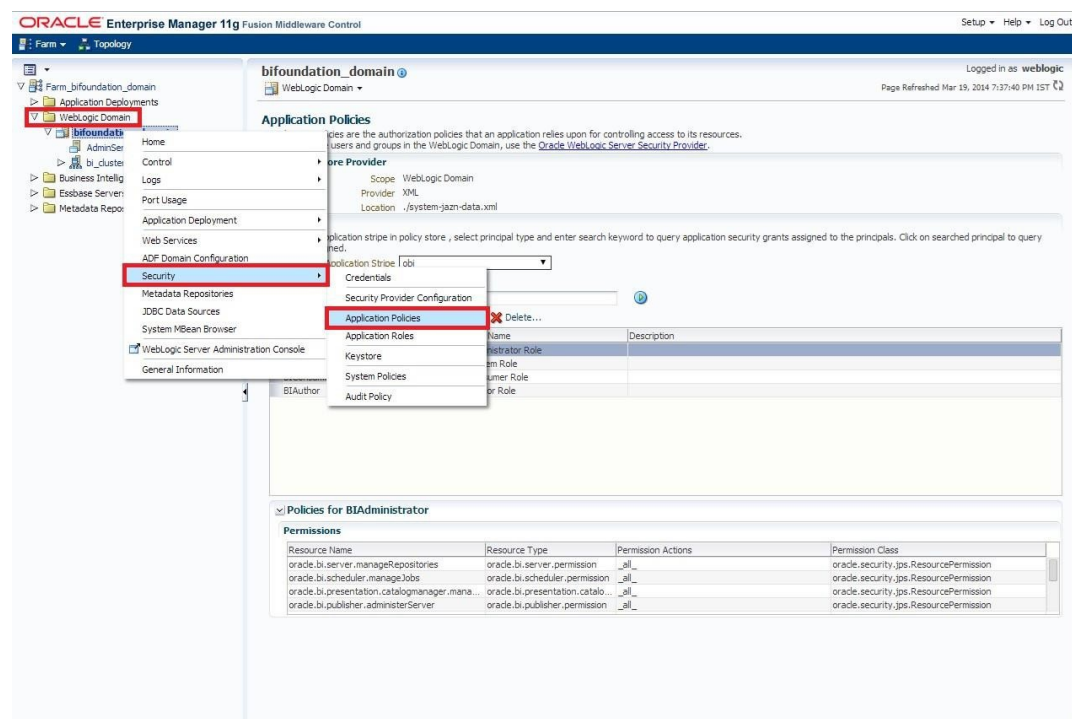
- b. Click the **Add** button.
The **Add Principal** pop-up displays.

Figure 1-59 Add Principal



- c. Select **Group** from the **Type** drop-down.
- d. Select the checkbox under the **Advanced Option** section and again select **Group** from the **Type** drop-down.
- Click the **Search** button, if the roles are listed then select the roles like ALLROLES-000, ADMINROLE-000 from the list.
 - Specify the **Principal Name** (mandatory), which is the role present in the FCUBS (ex: ALLROLES-000, ADMINROLE-000), Display Name (optional).
- e. Click the **OK** button in the **Add Principal** pop-up and then also in the **Create Application Role** screen.
- A confirmation screen displays with a message stating that a new role added successfully.
7. Again, right click the domain (which BI suite is installed) under the **WebLogic domain** and select **Security** and then select **Application Policies**.
- The **Application Policies** screen displays.

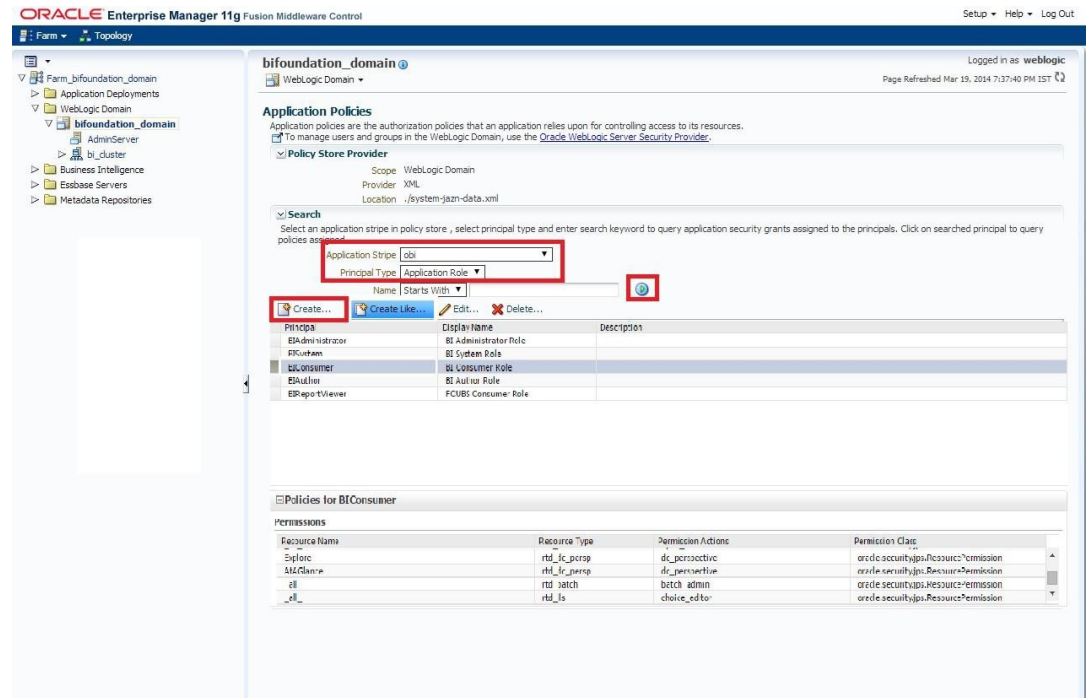
Figure 1-60 Application Policies



8. On the **Application Policies** screen, specify the following details:
 - a. Select **obi** from the **Application Stripe** drop-down and also select **Application Role** in the **Principal Type** field.
 - b. Click the **search** button.
 - c. Select **BIConsumer** from the list and click the **Create** button.

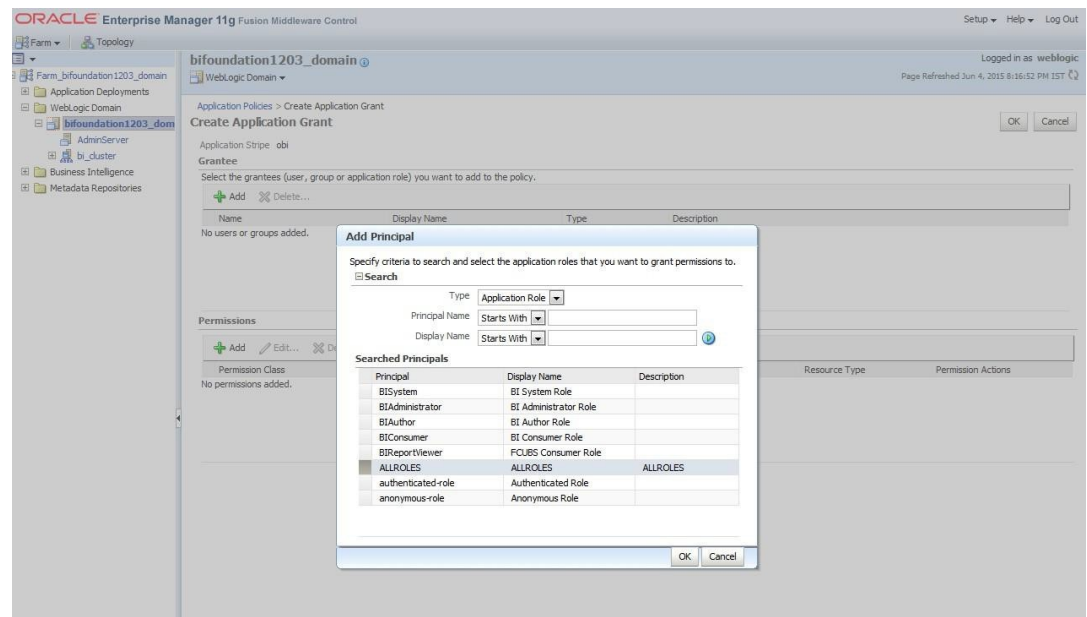
The **Application Policies** screen displays.

Figure 1-61 Application Policies



9. On the **Create Application Grant** screen, click the **Add** button.
The **Add Principal** pop-up window displays.

Figure 1-62 Add Principal

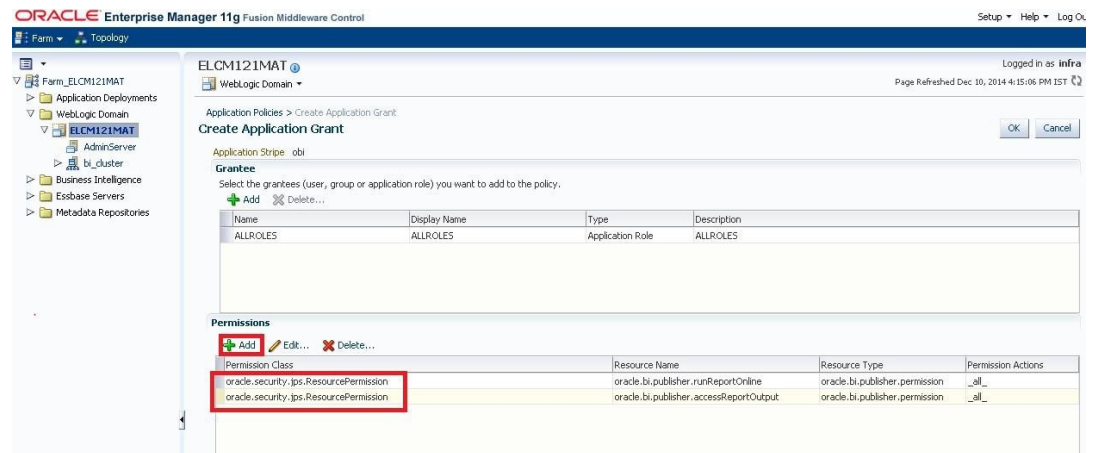


10. On the **Add Principal** pop-up window, perform the following actions:
 - a. Select **Application Role** from the **Type** drop-down list and click the **Search** button.
 - b. From the **Searched Principals** list, select **ALLROLES** that has been created earlier in the **Application Role** screen.

- c. Click the **OK** button in the **Add Principal** pop-up window and also on the **Create Application Grant** screen.
11. Click the **Add** button under **Permissions** section and add the two permissions one by one as mentioned below.
 - oracle.bi.publisher.runReportOnline
 - oracle.bi.publisher.accessReportOutput

The **Create Application Grant - Permissions** screen displays.

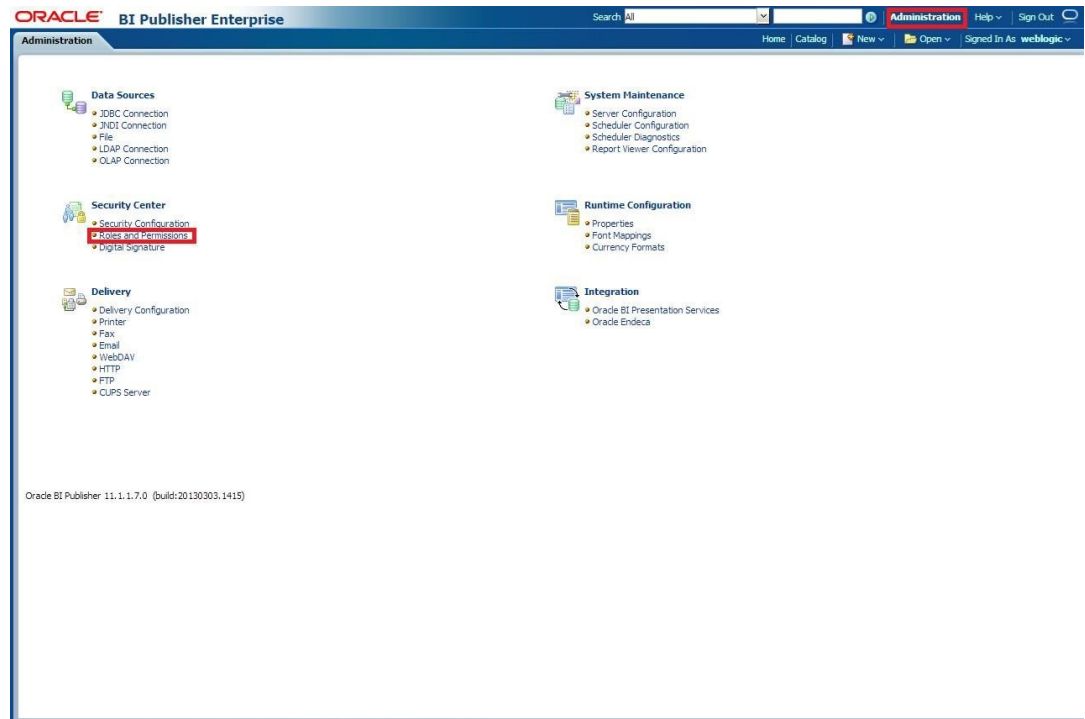
Figure 1-63 Create Application Grant



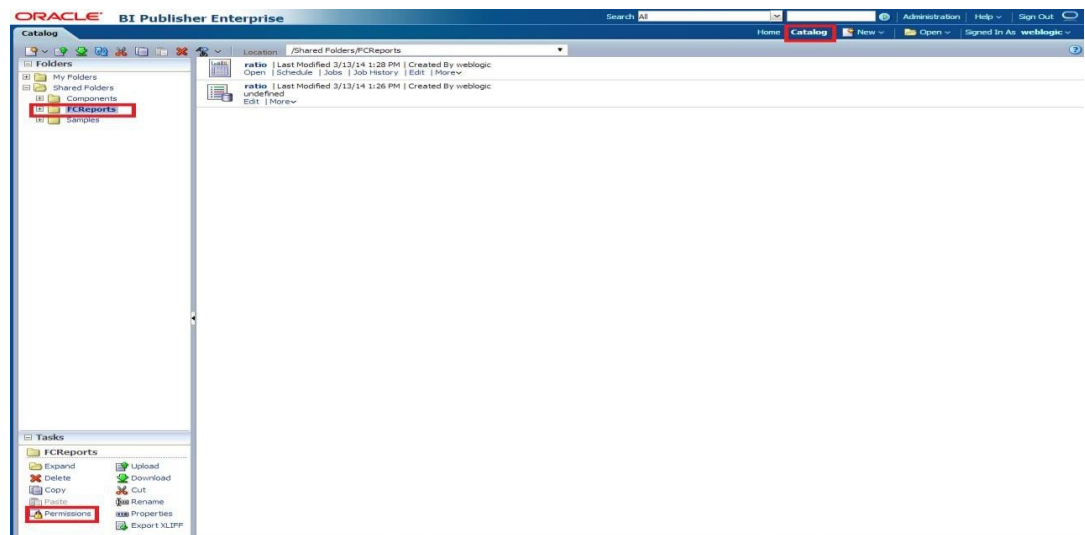
The confirmation screen displays with a message stating that a security added successfully.

12. Login into the **BI Publisher** , `http/s:<hostname>:<port>/xmlpsserver`.
13. Click **Administration**.
14. Click **Roles and Permission** under **Security Center** and check whether the added role (in em) is displayed or not, if not, restart the servers.

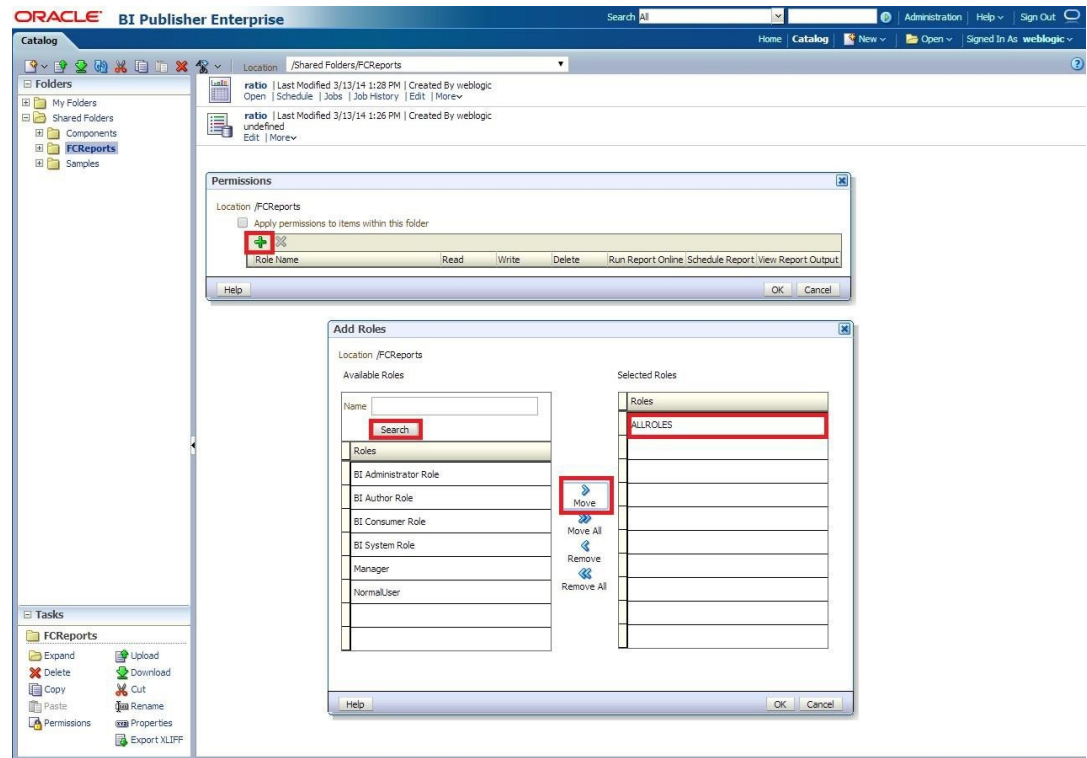
The **BIPublisher - Administration** screen displays.

Figure 1-64 BIPublisher - Administration

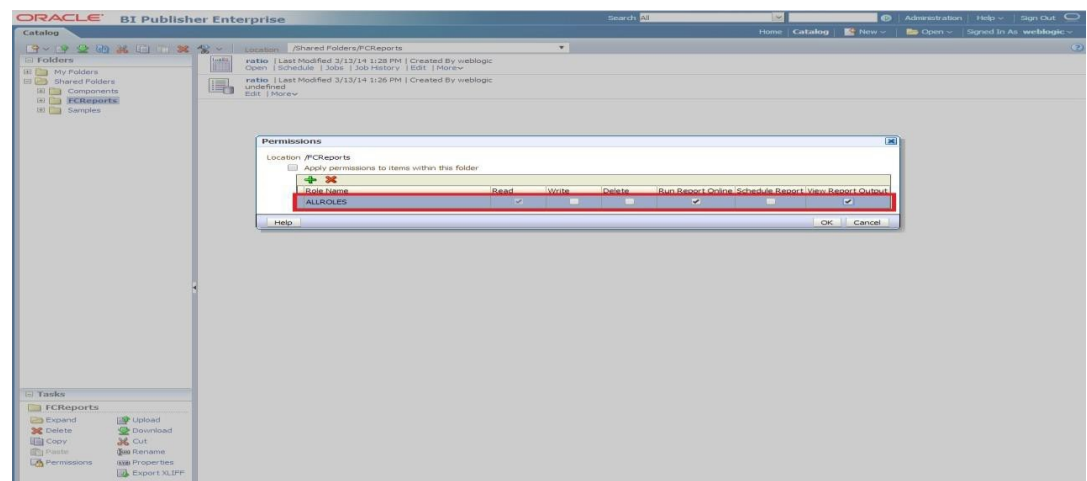
15. Click **Catalog**, select the folder that has been created.
The **BIPublisher - Catalog** screen displays.

Figure 1-65 BIPublisher - Catalog

16. Click **Permissions** under the **Tasks**.
The **Permissions** pop-up displays.

Figure 1-66 Permission

17. Delete all the roles if any present.
18. Click the **Add** button.
19. Click the **Search** button in the **Add Roles** pop-up window.
20. Select the role that has been created and click the **Move** button and then click **OK**.
The role will be added in the **Permissions** pop-up window.

Figure 1-67 Permissions - Add Roles

21. Select the options that should be granted to the particular role and check if permissions are only granted to items in the folder if necessary.

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

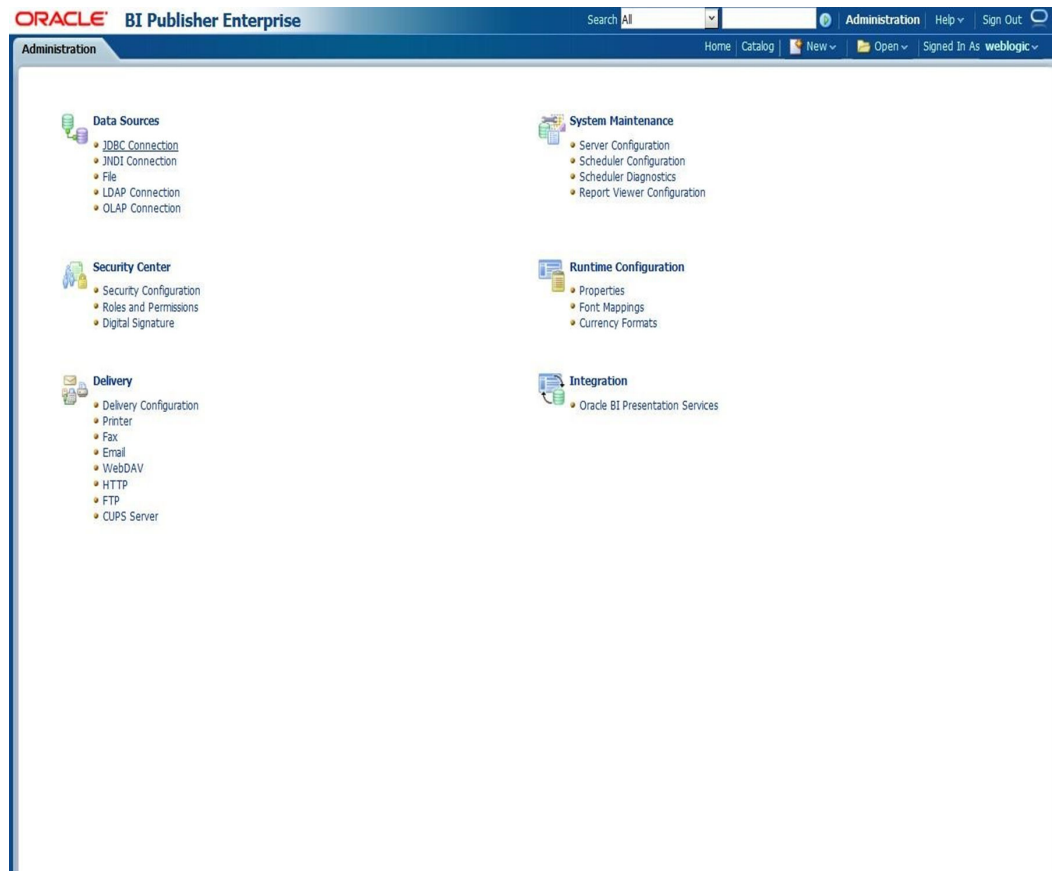
Note

Similarly, you can set the permissions at the report level also for a particular role.

22. Login in to **BI Publisher** using `http://server:port/xmlpserver`.
23. Click **Administration**.

The **Administration** screen displays.

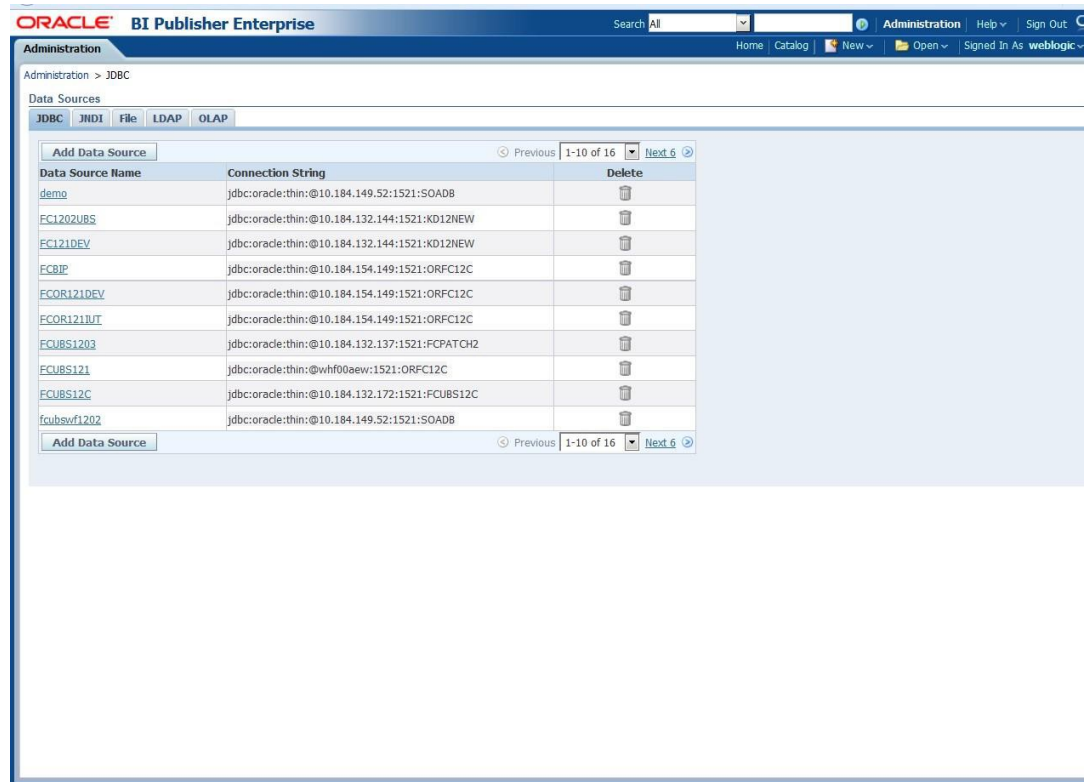
Figure 1-68 Administration



24. Under **Data Sources**, click **JDBC Connection**.

The **Administration - JDBC** screen displays.

Figure 1-69 Administration - JDBC



25. Click **Add Data Source** to create the data source with name as **FCSOA** and use SOA schema details to create the same.

The **Add Data Source** screen displays.

Figure 1-70 Add Data Source

ORACLE® BI Publisher Enterprise

Administration > JDBC > Add Data Source

Add Data Source

General

TIP Please make sure to install the required JDBC driver classes.
TIP With Oracle Fusion Middleware Security Model, select the Use System User checkbox to use the BI System User for your BI Server Database Connection.

* Data Source Name: FCSOA

* Driver Type: Oracle 11g

* Database Driver Class: oracle.jdbc.OracleDriver
(Example: oracle.jdbc.OracleDriver)

* Connection String: jdbc:oracle:thin:@//ofss222783.in.oracle.com:1521/FCU8SDEV121

Use System User: ☐

* Username: DEV12C_SOAINFRA

Password: [REDACTED]

Pre Process Function: [REDACTED]

Post Process Function: [REDACTED]

☐ Use Proxy Authentication

Test Connection

Backup Data Source

TIP To enable access to a backup data source, please check the Use Backup Data Source checkbox and enter the necessary connection information.

☐ Use Backup Data Source

Connection String: [REDACTED]

Username: [REDACTED]

Password: [REDACTED]

Test Connection

26. Under **Security**, add FCUBS roles to Allowed Roles.
The **Add Data Source (Security)** screen displays.

Figure 1-71 Add Data Source (Security)

Administration

Use System User ☐

* Username DEV12C_SQAINFRA

Password *****

Pre Process Function

Post Process Function

☐ Use Proxy Authentication

Test Connection

Backup Data Source

✓ TIP To enable access to a backup data source, please check the Use Backup Data Source checkbox and enter the necessary connection information.

☐ Use Backup Data Source

Connection String

Username

Password

Test Connection

Security

☐ Allow Guest Access

Available Roles

- BI Administrator Role
- BI Author Role
- BI Consumer Role
- BI System Role
- FCUBS Consumer Role

Allowed Roles

ALLROLES

Move

Move All

Remove

Remove All

27. Click **Test Connection**.
28. Once the connection is established successfully, click **Apply**.
29. Follow steps 25 to 28 to create the data source for FCUBS Schema and specify the name as **FCBIPBPEL**.

1.2.8 BAM Report Configuration settings

This topic explains the configuration settings for BAM reports.

Generate a deployment plan for BAM Composer Application. If you want to configure BPEL with BAM reports, follow the steps below:

1. Generate a deployment plan for BAM Composer Application.
2. Log in to console `http://<hostname>:<port>/<console>`.
3. Under the **Domain Structure**, click **Deployments**.

The **Summary of Deployments** screen displays.

Figure 1-72 Summary of Deployments

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 shows 'dev_domain' expanded, with 'Deployments' selected. The 'Summary of Deployments' table lists the following applications:

Name	State	Health	Type	Targets	Deployment Order
AqAdapter	Active	OK	Resource Adapter	soa_server1	324
b2bul	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 **BAM Composer**.

The **Summary of BAM Composer** screen displays.

Figure 1-73 Summary of BAM Composer

The screenshot shows the 'Settings for BamComposer' page in the Oracle WebLogic Server Administration Console. The 'Configuration' tab is selected. The page displays configuration information for the selected module or component. The configuration settings are as follows:

Setting	Value	Description
Session cookies max age (in seconds):	-1	The life span of the session cookie (in seconds) after which it expires on the client. The value '-1' indicates that the cookie will persist until the client's browser shuts down. More Info...
Session Invalidation Interval (in seconds):	60	The time (in seconds) that WebLogic Server waits between doing house-cleaning checks for timed-out and invalid sessions, and deleting the old sessions and freeing up memory. More Info...
Session Timeout (in seconds):	3600	The amount of time (in seconds) that a session can remain inactive before it is invalidated. More Info...
Debug Enabled	☐	Enable debugging information for this session. More Info...
Maximum in-memory Sessions:	-1	The maximum number of sessions to retain in memory. The value '-1' indicates that there is no limit. More Info...
Monitoring Attribute Name:		Specifies the name of a session attribute which is tagged with session information. For example, if this value is set to username, then the username attribute is guaranteed to be unique. More Info...

The 'Save' button is highlighted with a red circle.

- On the **Summary of BAM Composer** screen, click the **Configuration** tab, select the **Application** tab and click the **Save** button.
- Click the **Overview** tab and check the **Deployment Plan** location.
The **Summary of BAM Composer - Overview** screen displays.

Figure 1-74 Summary of BAM Composer - Overview

ORACLE WebLogic Server Administration Console 12c

Home Log Out Preferences Record Help

Welcome, weblogic Connected to: dev_domain

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

Settings for BamComposer

Overview Deployment Plan Configuration Security Targets Control Testing Monitoring Notes

Save

Use this page to view the general configuration of an enterprise application, such as its name, the physical path to the application files, the associated deployment plan, and so on. The table at the end of the page lists the modules (such as Web applications and EJBs) that are contained in the enterprise application. Click on the name of the module to view and update its configuration.

Name:	BamComposer	The name of this enterprise application. More Info...
Path:	/ scratch/ app/ fmw12c/ Middleware/ soa/ bam/ applications/ BamComposer. ear	The path to the source of the deployable unit on the Administration Server. More Info...
Deployment Plan:	/ scratch/ app/ fmw12c/ Middleware/ soa/ bam/ applications/ plan/ Plan3.xml	The path to the deployment plan document on the Administration Server. More Info...
Staging Mode:	nostage	Specifies whether a deployment's files are copied from a source on the Administration Server to the Managed Server's staging area during application preparation. More Info...
Plan Staging Mode:	(not specified)	Specifies whether an application's deployment plan is copied from a source on the Administration Server to the Managed Server's staging area during application preparation. More Info...
Security Model:	DDOnly	The security model that is used to secure a deployed module. More Info...
Deployment Order:	500	An integer value that indicates when this unit is deployed, relative to other deployable units on a server, during startup. More Info...
Deployment Principal Name:		A string value that indicates the principal that should be used when deploying the file or archive during startup and shutdown. This principal will be used to set the current subject when calling out into application code for interfaces such as ApplicationLifecycleListener. If no principal name is specified, then the anonymous principal will be used. More Info...

Save

Modules and Components

Showing 1 to 1 of 1 Previous Next

- Add variable and variable assignment as below to the [Plan.xml](#) in <module-name>BamComposerWeb.war</module-name>.

```
<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/
[paramname="oracle.adf.view.rich.security.FRAME_BUSTING"]/param-value</
xpath>
    <origin>planbased</origin>
  </variable-assignment> </module-descriptor>
```

- On the **Summary of Deployments** screen, click the **Stop** button and the following options are displayed.
 - When work completes

- Force Stop Now
 - Stop, but continue servicing administration requests
9. Click **Force Stop Now**.
 10. To update the deployment plan, click **Deployment** and select the **BAM Composer** checkbox.

The **Summary of Deployments - Update** screen displays.

Figure 1-75 Summary of Deployments - Update

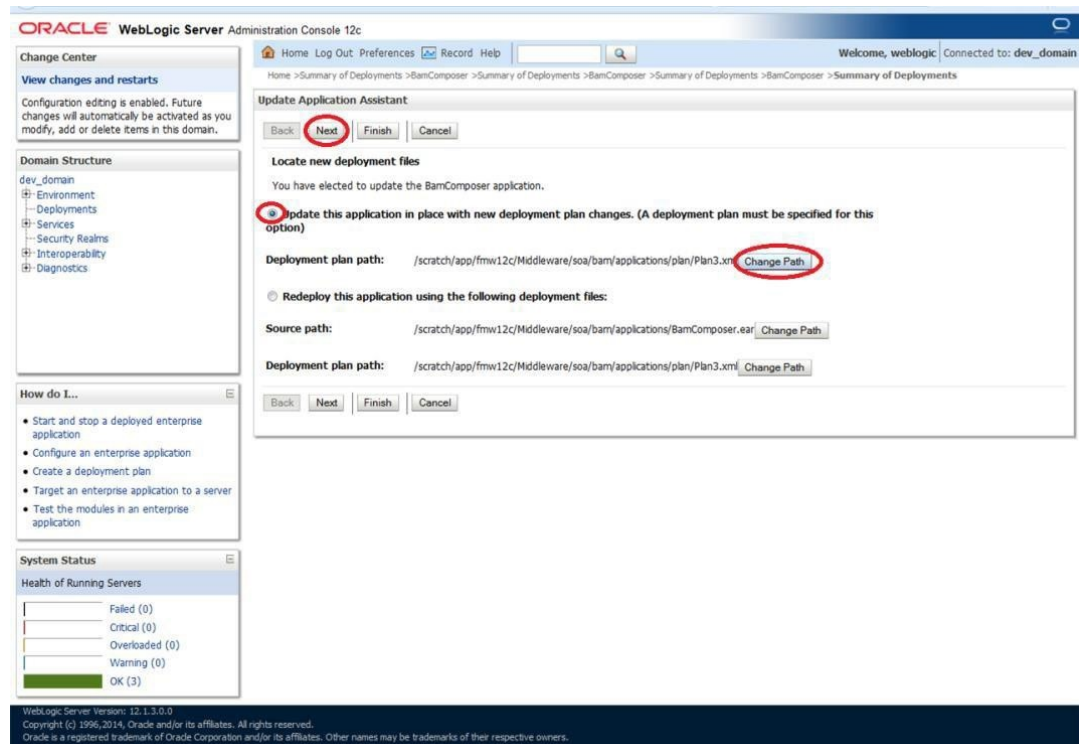
The screenshot shows the Oracle WebLogic Server Administration Console. The left sidebar contains the 'Domain Structure' tree with 'Deployments' highlighted. The main area displays the 'Summary of Deployments' page. The 'Control' tab is active, and the 'Update' button is highlighted. Below the buttons is a table of deployments. The 'BAMComposer' entry is selected, and its checkbox is checked.

Name	State	Health	Type	Targets	Deployment Order
AqAdapter	Active	OK	Resource Adapter	soa_server1	324
b2bul	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

11. Click the **Update** button.

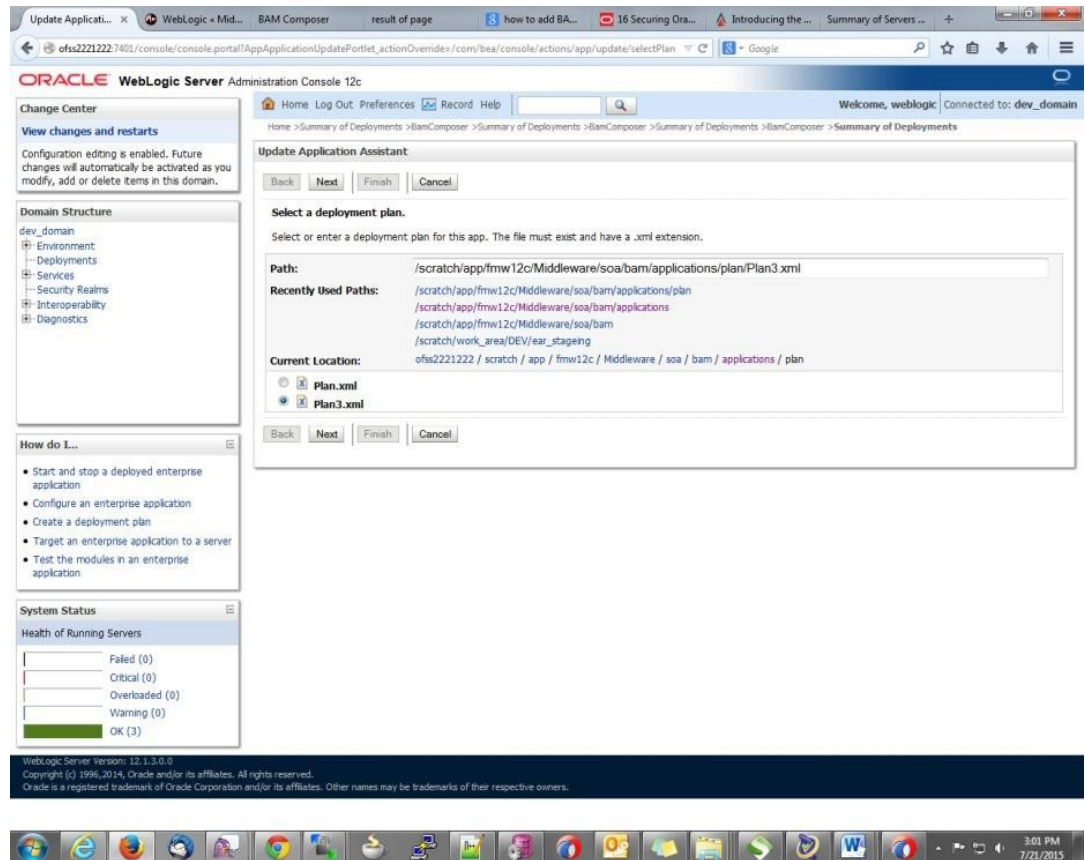
The **Update Application Assistant** screen displays.

Figure 1-76 Update Application Assistant



12. On the **Update Application Assistant** screen, select the **Update this application in place with new deployment plan changes** option and click the **change path** button.
13. Select the latest plan.xml in the path, and click the **Next**.

The **Update Application Assistant - Select a deployment plan** screen displays.

Figure 1-77 Update Application Assistant - Select a deployment plan**14. Click Finish.**

Two messages are displayed on the **Summary of Deployments** screen.

Figure 1-78 Summary of Deployments - Messages

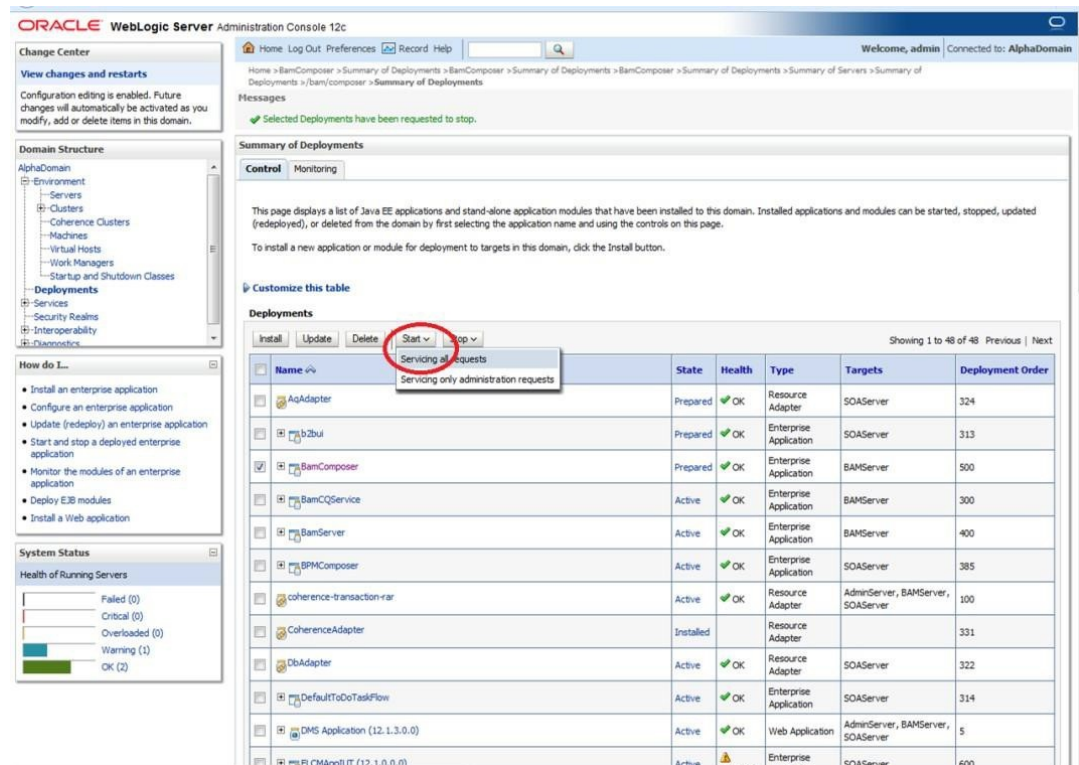
The screenshot shows the Oracle WebLogic Server Administration Console. The left sidebar contains the 'Domain Structure' tree with 'Deployments' selected. The main area shows the 'Summary of Deployments' page with a 'Control' tab. Below the 'Summary of Deployments' section, there is a table of deployments.

Name	State	Health	Type	Targets	Deployment Order
AqAdapter	Prepared	OK	Resource Adapter	SOAServer	324
b2bul	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

- Restart the BAM Composer application in the console.

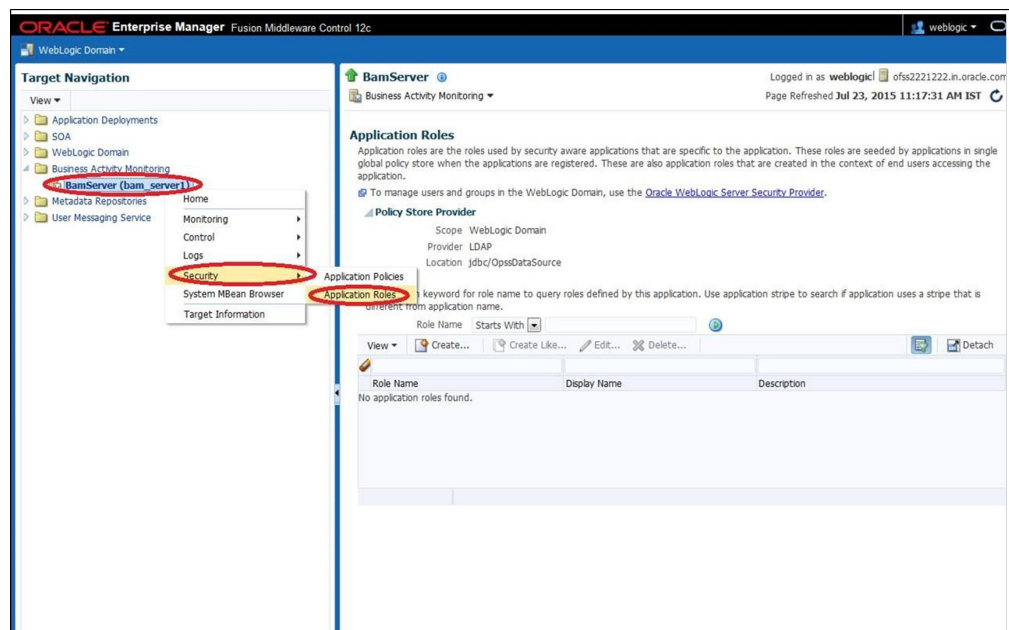
The **Summary of Deployments - Restart BAM Composer** screen displays.

Figure 1-79 Summary of Deployments - Restart BAM Composer



16. Log in to Enterprise Manager console <http://hostname:port/em>.
17. Right click the **BAM Server**, and click **Security** and then click **Application Roles**.
The **BAM Server - Application Roles** screen displays.

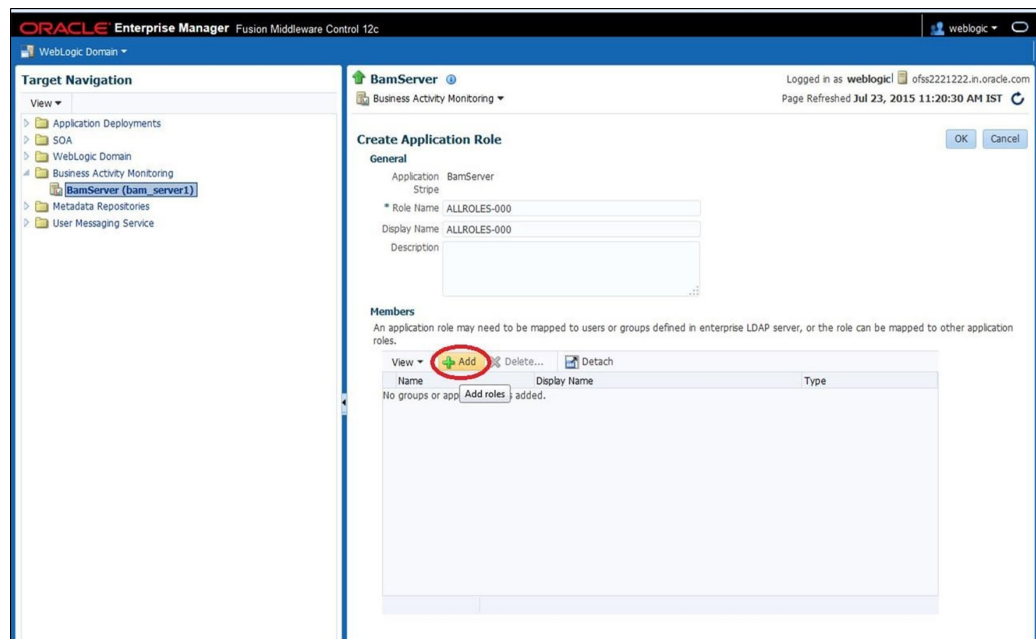
Figure 1-80 BAM Server - Application Roles



18. On the **Application Roles** screen, click the **Create** button to create application role with **ALL ROLES-000** name.

The **Create Application Role** screen displays.

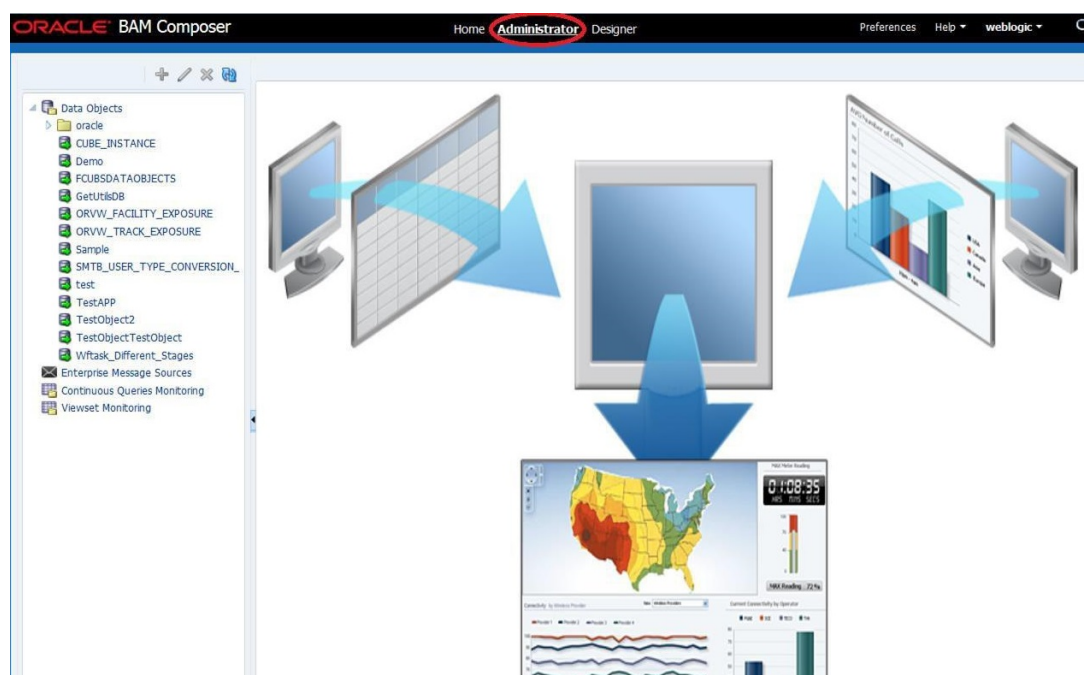
Figure 1-81 Create Application Role



19. Click the **ADD** button under the **Members** section.
20. Select the **Group** from the **Type** drop-down list and add principle details.
21. Log in to BAM Composer <http://hostname:port/bam/composer>.
22. Click **Administrator**.

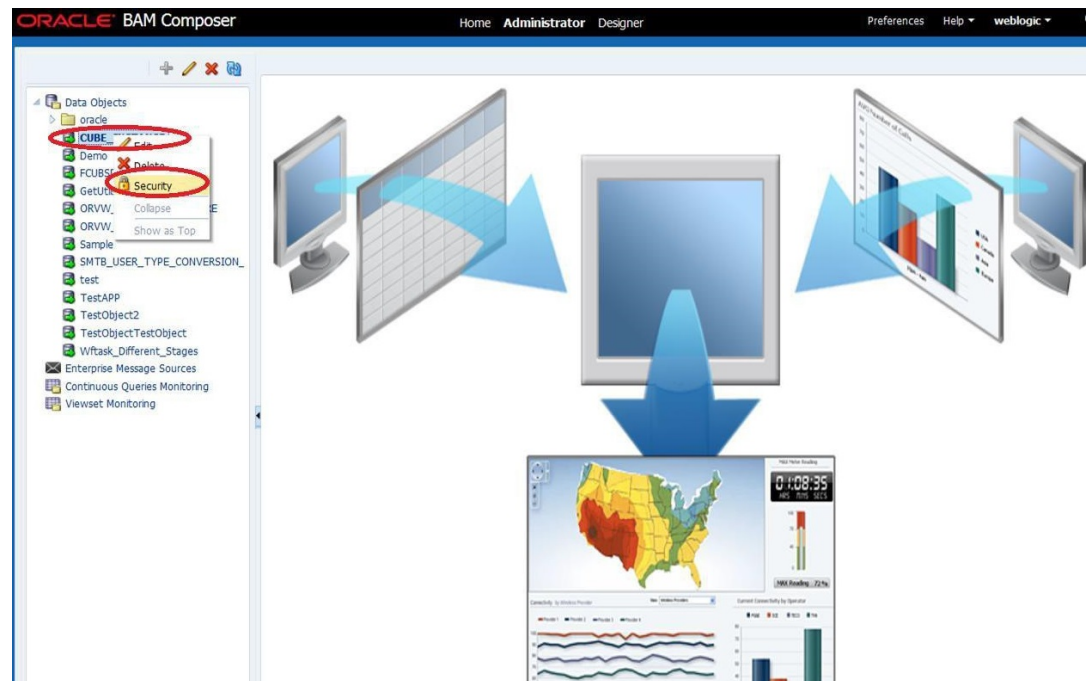
The **Oracle BAM Composer - Administrator** screen displays.

Figure 1-82 Oracle BAM Composer - Administrator



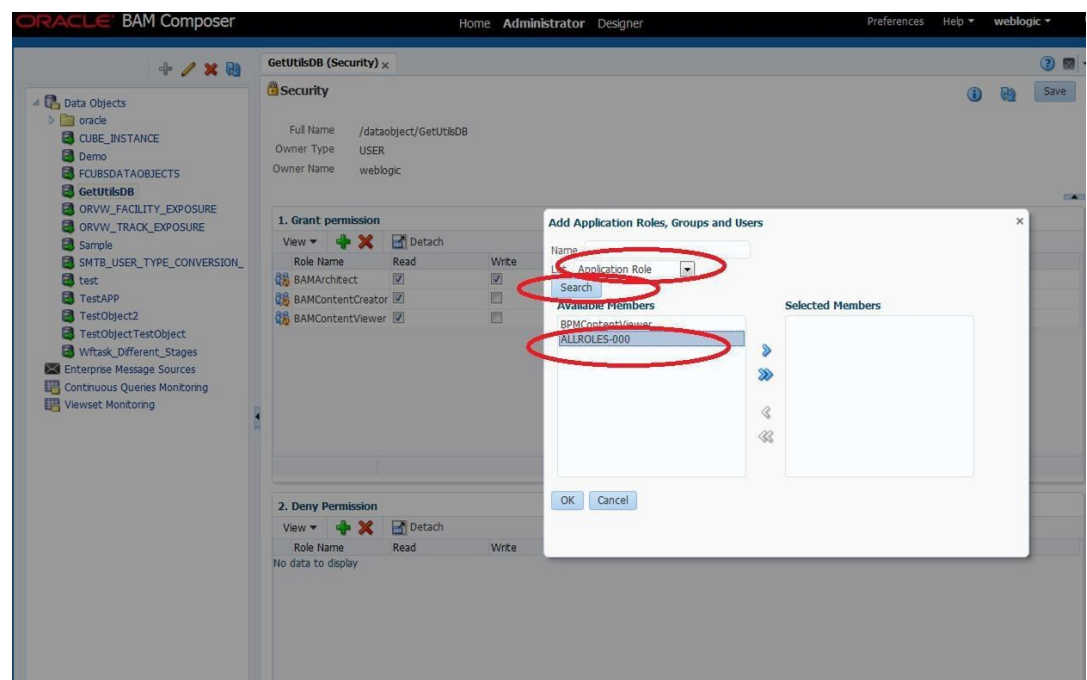
23. Under **Data Objects**, Right click **CUBE_INSTANCE** and select **Security**.
The **BAM Composer - Navigate to Security** screen displays.

Figure 1-83 BAM Composer - Navigate to Security



24. Click the **Add** button under **Grant permission** and search the list based on the **Application Role**.
The **Security** screen displays.

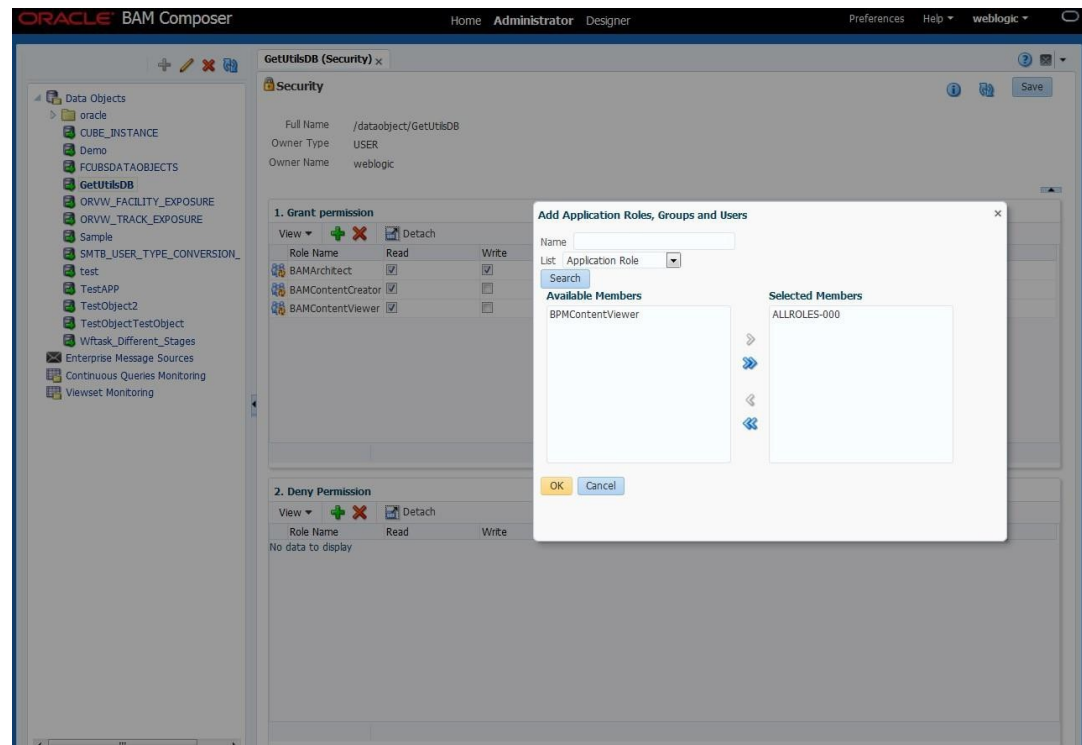
Figure 1-84 Security



25. Move the **ALLROLES-000** to the Selected Members column.

The **Security - Add Application Roles, Groups and Users** screen displays.

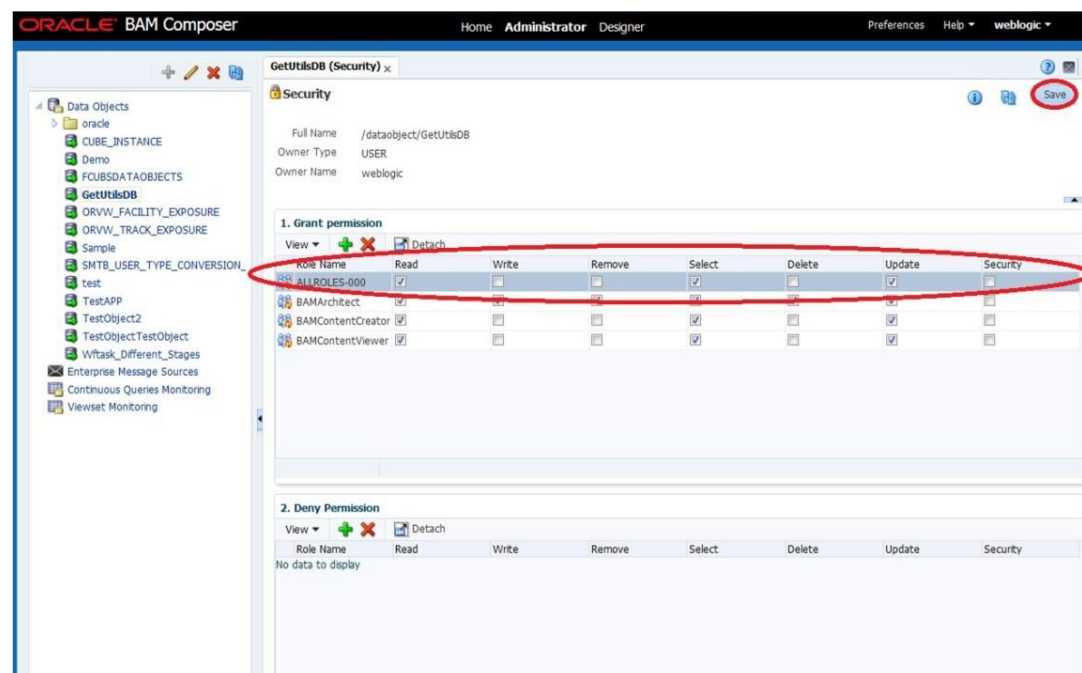
Figure 1-85 Security - Add Application Roles, Groups and Users



26. Select **Read**, **Select**, and **Update** checkboxes and click the **Save** button.

The **Add Application Roles, Groups and Users - ALLROLES-000** screen displays.

Figure 1-86 Add Application Roles, Groups and Users - ALLROLES-000



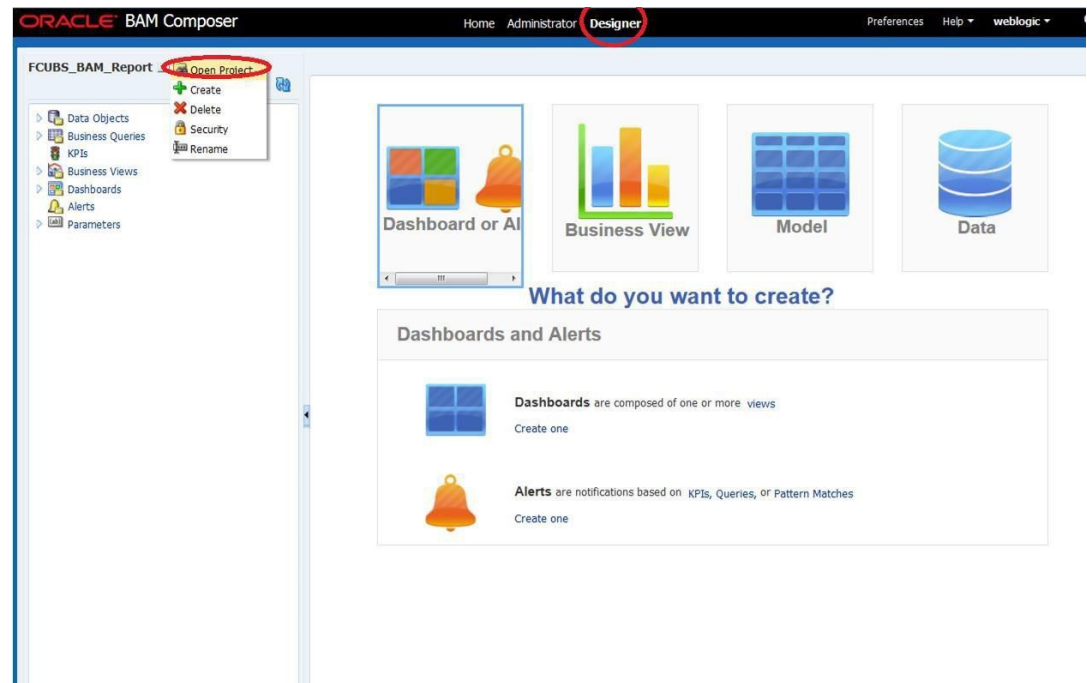
27. Follow the steps 21 to 27 for other Data objects as listed below:

- cube_instance
- wftask_different_stages
- ORVW_TRACK_EXPOSURE
- ORVW_FACILITY_EXPOSURE
- GetUtilsDB
- SMTB_USER_TYPE_CONVERSION_VIEW
- FCUBSDATAOBJECTS

28. On the **Oracle BAM Composer**, click the **Designer**.

The **Oracle BAM Composer Designer** screen displays.

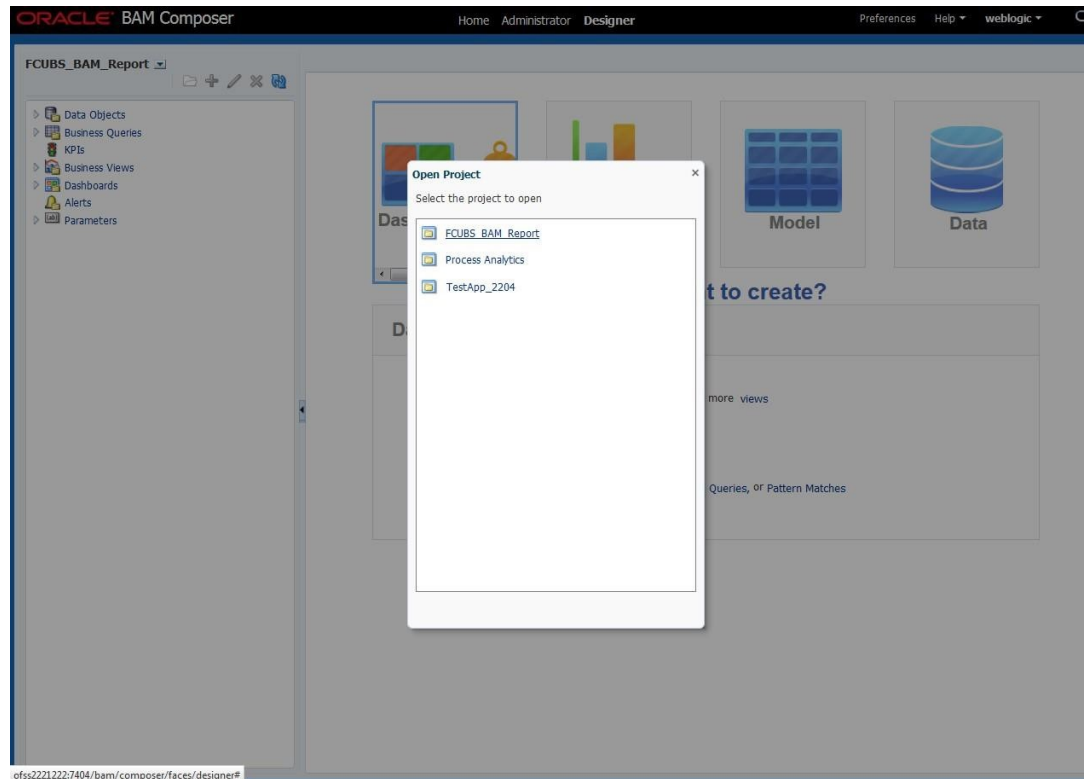
Figure 1-87 Oracle BAM Composer Designer



29. Click **Open Project**.

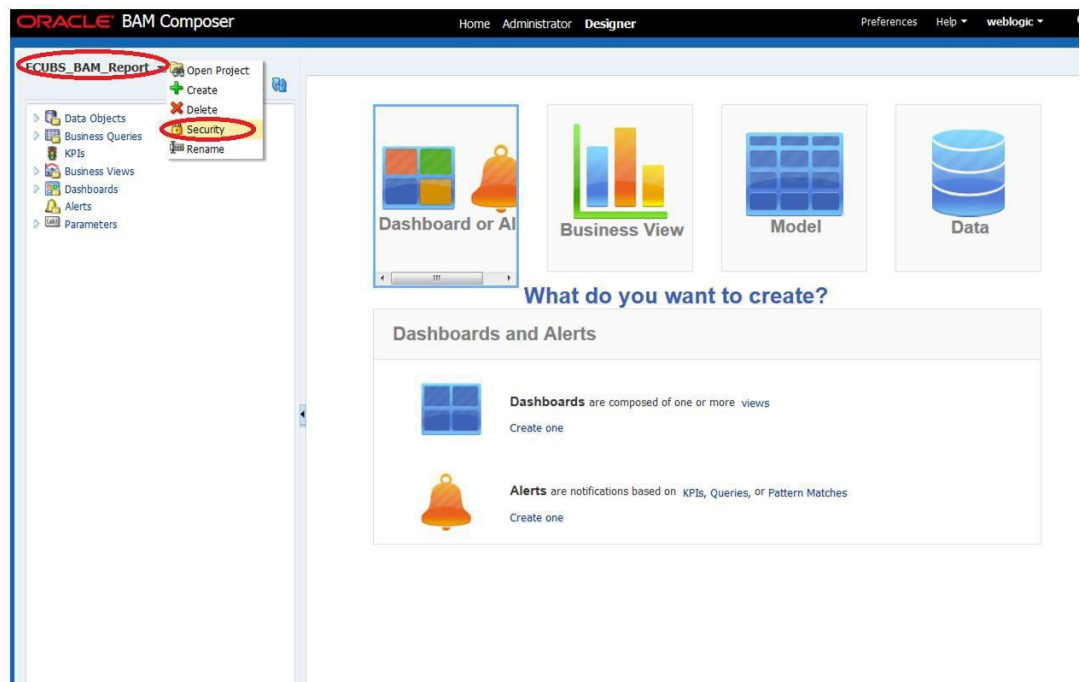
The **Open Project** pop-up window displays.

Figure 1-88 Designer - Open Project



30. On the **Open Project** pop-up window, click **FCUBS_BAM_Report**.
31. On the **Designer** screen, right click **FCUBS_BAM_Report** and select **Security**.
The **FCUBS_BAM_Report - Security** screen displays.

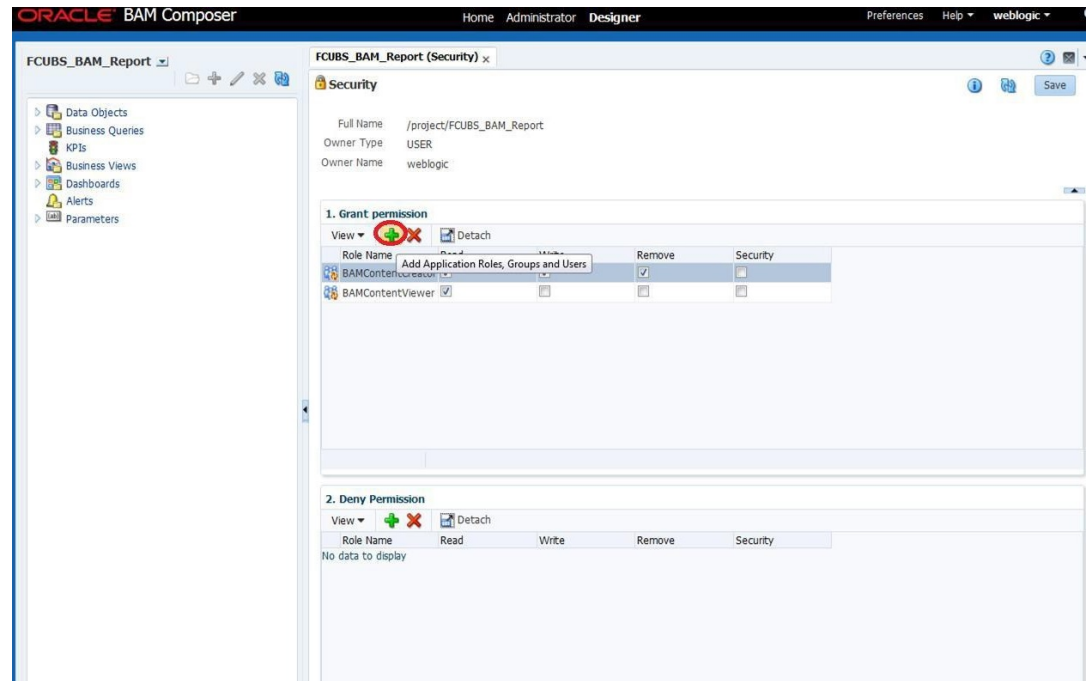
Figure 1-89 FCUBS_BAM_Report - Security



32. On the **FCUBS_BAM_Report (Security)** screen, click the **ADD** icon under **Grant Permission**.

The **FCUBS_BAM_Report (Security)** screen displays.

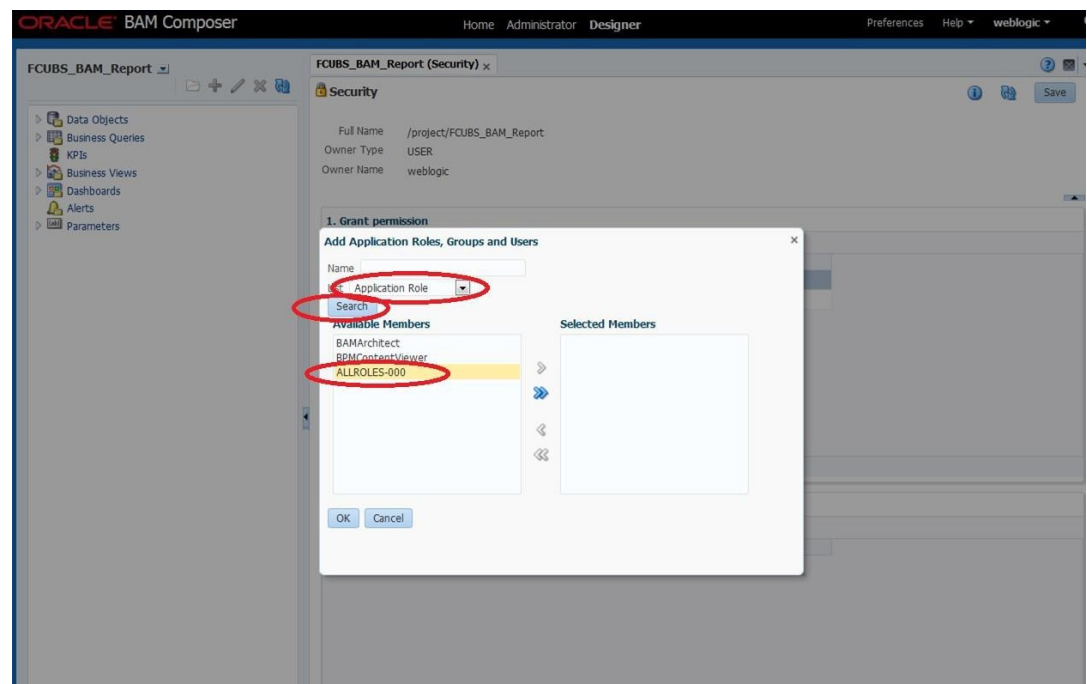
Figure 1-90 FCUBS_BAM_Report (Security)



33. Search the list based on the **Application Roles** and select the **ALLROLES-000**.

The **Add Application Roles, Groups and Users - ALLROLES-000** pop-up window displays.

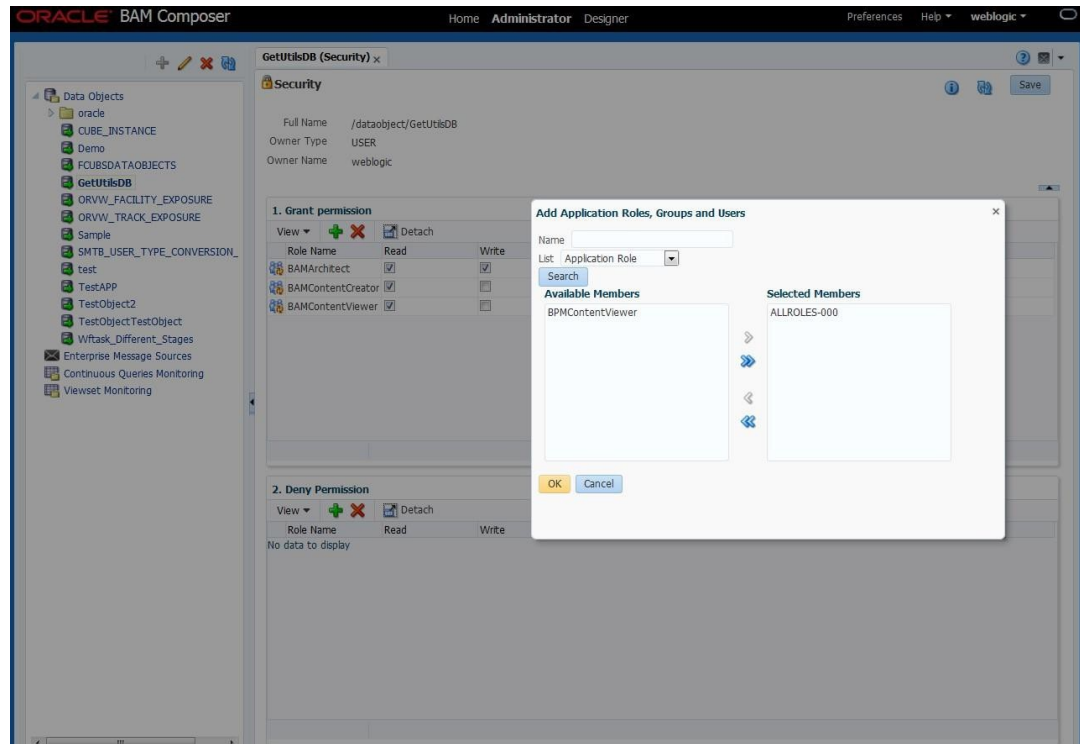
Figure 1-91 Add Application Roles, Groups and Users - ALLROLES-000



34. Move the **ALLROLES-000** to Selected Members column and click the **OK** button.

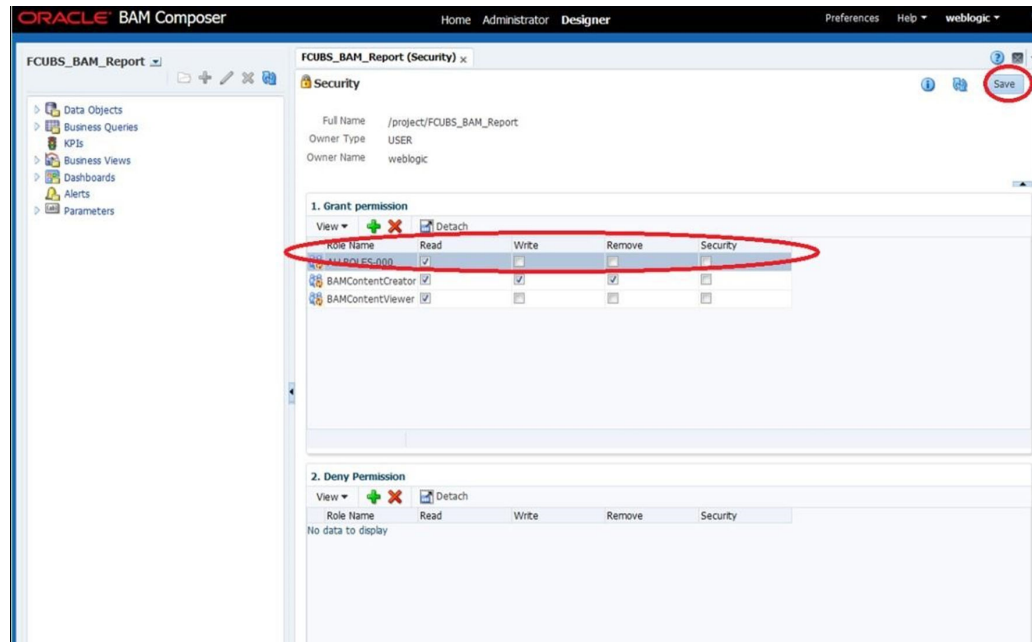
The **Add Application Roles, Groups and Users - ALLROLES-000 - Selected Members** pop-up window displays.

Figure 1-92 Add Application Roles, Groups and Users - ALLROLES-000 - Selected Members



35. Select the **Read** checkbox for **ALLROLES-000** and click the **Save** button.

The **FCUBS_BAM_Report (Security) - ALLROLES-000** screen displays.

Figure 1-93 FCUBS_BAM_Report (Security) - ALLROLES-000

1.2.9 Configure IPM to Edit Document

This topic explains to edit the document using the IPM configuration.

If you want to configure BPEL with IPM configuration, perform the following steps.

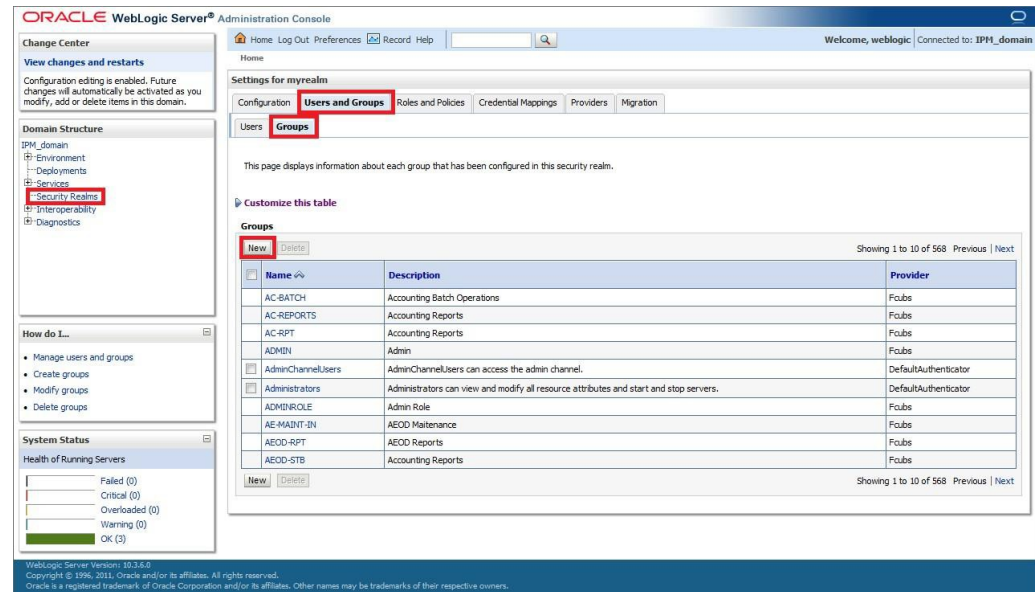
1. Login to the console, <http://s:<hostname>:<port>/console> with admin user.
2. To add the FCJCustomProvider, Refer to the [Configure Custom Authentication Provider](#) topic.
3. Navigate to **Security Realms**, click **myrealm**, and click **Users and Groups** tab.

Check if the users from the schema are displayed in the **Users** tab, and roles from the schema are displayed under the **Groups** tab.

4. After adding the custom authenticator, perform the following actions:
 - a. Navigate to **Security Realms**, click **myrealm**, click **Users and Groups** and click the **Groups** tab.

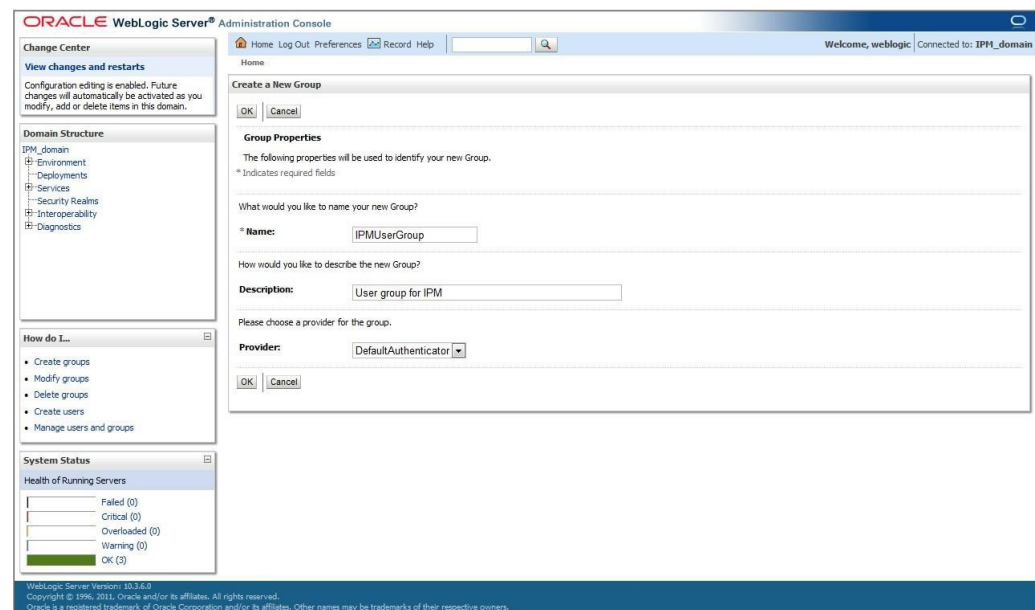
The **Settings for myrealm** screen displays.

Figure 1-94 Setting for myrealm



- b. Click the **New** button.
The **Create a New Group** screen displays.

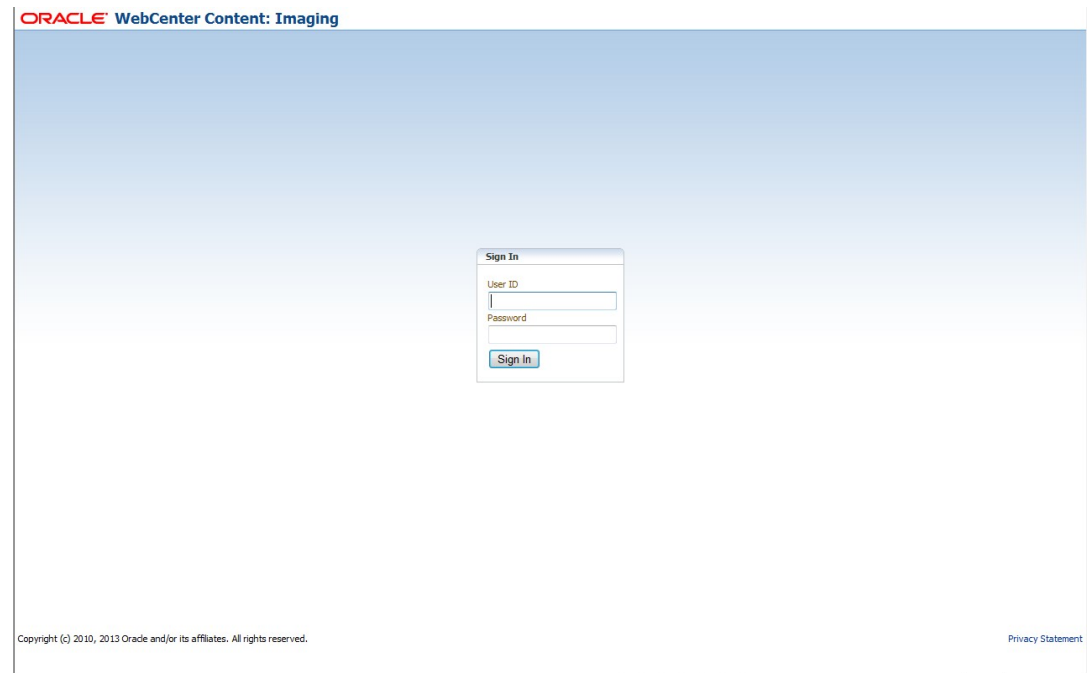
Figure 1-95 Create a New Group



5. On the **Create a New Group** screen, specify the following details.
- Specify the name as **IPMUserGroup**.
 - Specify the **Description** for the new group (optional).
 - Select the **Provider** as **DefaultAuthenticator**.
 - Click the **OK** button.
6. Login to the Imaging using the following URL `http/s:<hostname>:<port>/imaging` with admin user.

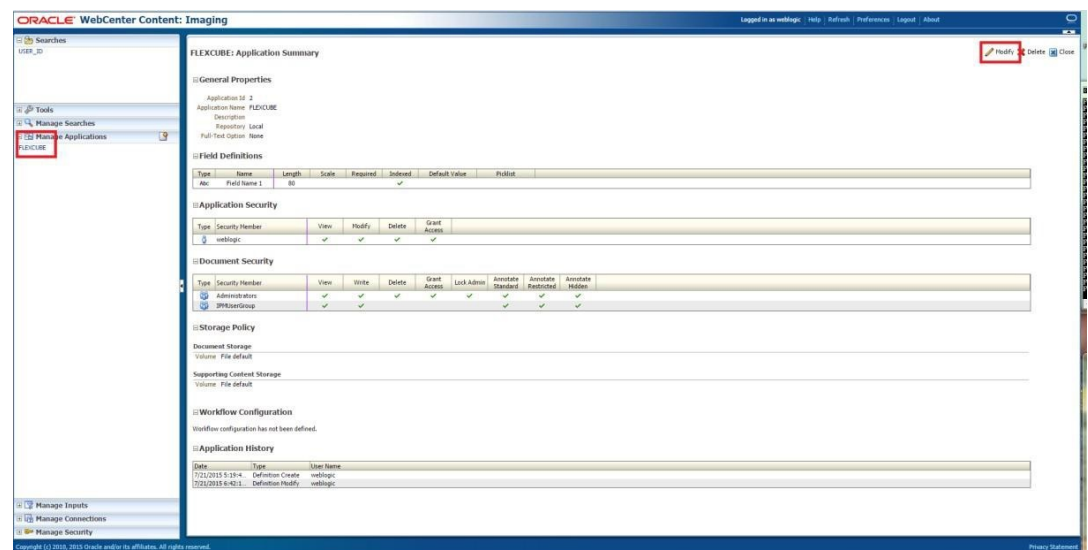
The **Oracle Webcenter Content:Imaging** log in screen displays.

Figure 1-96 Oracle Webcenter Content:Imaging



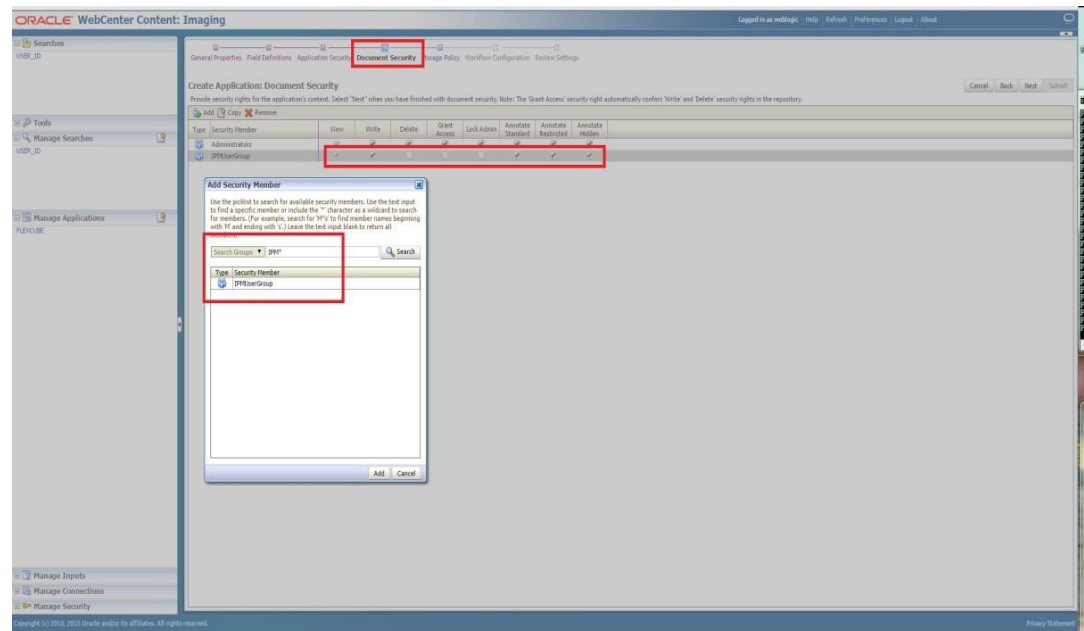
7. Specify **User ID** and **Password** and click **Sign in**.
The **FLEXCUBE:Application Summary** screen displays.

Figure 1-97 FLEXCUBE:Application Summary



8. Navigate to **Manage Applications** on the left pane.
9. Click **FLEXCUBE**.
10. Click the **Modify** button on the right pane.

The **Create Application Document Security** screen displays.

Figure 1-98 Create Application Document Security

11. On the **Create Application Document Security** screen, perform the following steps:
 - a. Click **Document Security** tab.
 - b. Click the **Add** button.
The **Add Security Member** pop-up window displays.
 - c. Click the **Search** button in the **Add Security Member** pop-up window.
 - d. Select the **IPMUserGroup**.
 - e. Click **Add**.
IPMUserGroup is listed in the panel.
 - f. Select **View**, **Write**, **Annotate Standard**, **Annotate Restricted** and **Annotate Hidden** checkboxes.
 - g. Click **Submit**.
The **USER_ID:Search Summary** screen displays.

Figure 1-99 USER_ID:Search Summary

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		✓	✓	✓	✓
SPMUserGroup		✓			

Audit History

Date	Type	User Name
7/2/2014	Definition Create	ARIU1
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

12. On the **USER_ID: Search Summary** screen, perform the following steps:

- Navigate to **Manage Searches**.
- Select the available search (ex: USER_ID in this doc).
- Click the **Modify** button.

The **USER_ID:Search Security** screen displays.

Figure 1-100 USER_ID:Search Security

ORACLE WebCenter Content: Imaging Logged in as weblogic | Help | Refresh | Preferences | Logout | About

USER_ID: Search Security Cancel OK Help

Provide security rights for the search. Select "Test" when you have finished with search security.

Security

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

Add Security Member

Use the picklist to search for groups or users. Use the text input to search for a specific member name. You can use the "*" character as a wildcard within a group name or user name. (For example, search for "SPM*" to find member names beginning with "SPM" and ending with "*".) Leave the text input blank to return all members.

Search Group: Search

Type	Security Member
Administrators	
AdminChannelUsers	
AppUsers	
CrossDomainConnections	
EndUsers	
SPMUserGroup	
Operators	
OracleSystemGroup	

OK Cancel

13. On the **USER_ID:Search Security** screen, perform the following steps:

- Click the **Security** tab.

- b. Click the **Add** button.
The **Add Security Member** pop-up window displays.
 - c. Click the **Search** button in the **Add Security Member** pop-up window.
 - d. Select the **IPMUserGroup**.
 - e. Click **Add** button.
The **IPMUserGroup** will be listed in the panel; don't select any checkbox except the default **View** checkbox.
 - f. Click the **Submit** button on the right corner.
14. Copy the **FCJJSPProvider.jar** to location <ORACLE_HOME>\user_projects\domains\<domain name>\lib .
 15. Go to the location <ORACLE_HOME>\user_projects\domains\<Domain_created>\config\fmwconfig.
 - a. Open **jps-config.xml** file and search <serviceProviders> tag and add the following code between <serviceProviders> and </serviceProviders> tags.

```
<serviceProvider
class="oracle.security.jps.internal.idstore.generic.GenericIdentityStore
Provider"
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.FCIdentityStoreFac
tory"/>
<property name="DATASOURCE_NAME" value="jdbc/fcjddevDS"/>
<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="policystore.xml"/>
<serviceInstanceRef ref="audit"/>
</jpsContext>
```

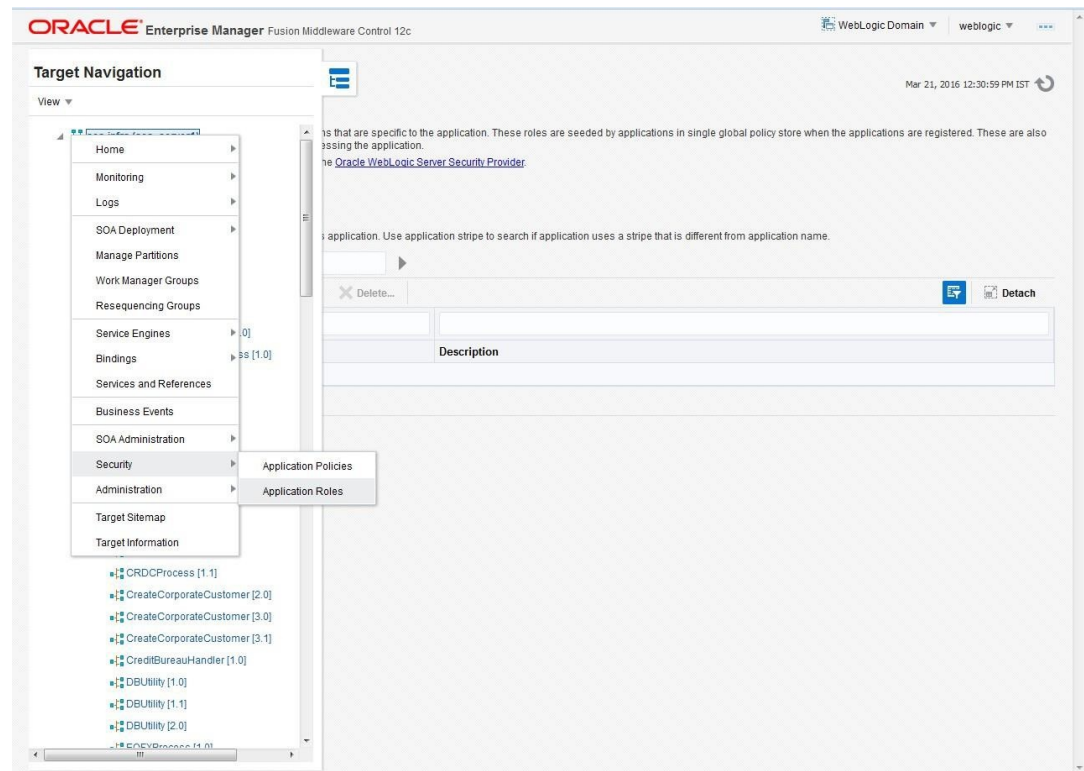
1.2.10 Configure Supervisor Roles in EM

This topic explains to configure supervisor roles in the Oracle Enterprise Manager.

1. Right click **soa-infra** and select **Security** and click **Application Roles**.

The **Target Navigation of Application Roles** screen displays.

Figure 1-101 Target Navigation of Application Roles



2. Search the Application Roles with the **Starts With** option.

The **Application Roles** screen displays.

Figure 1-102 SOA Infra - Application Roles

Application Roles

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

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

Policy Store Provider

Search

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

Role Name Starts With

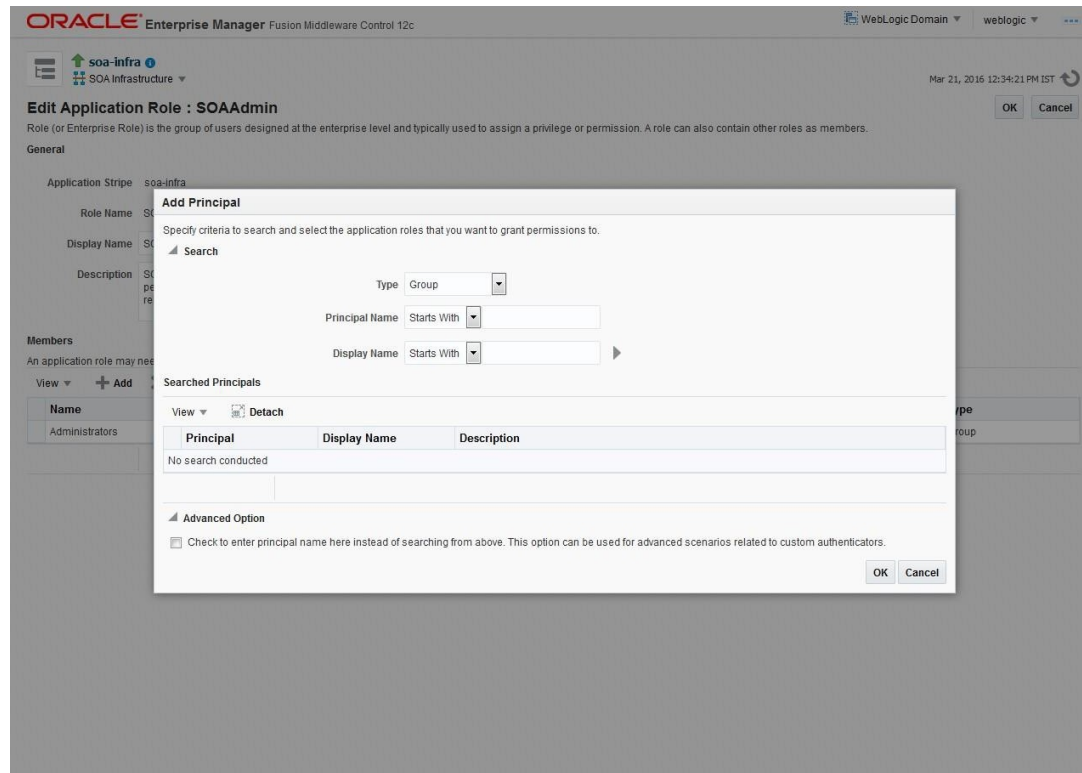
View Create... Create Like... Edit... Delete... Search application roles Detach

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_Testster	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 partiti...
MiddlewareOperator	SOA MiddleWare Operator	A middleware operator is responsible for ensuring operational continuity. A middleware operator is also the main point of contact w...
MiddlewareAdministrator	SOA Middleware Administrator	A middleware administrator is responsible for ensuring the continuous availability of the middleware servers, but is not always resp...
SOAAdmin	SOA Admin Role	SOA application admin role, has full privilege for performing any operations including security related
SOAOperator	SOA operator Role	SOA application operator, for common operational tasks like start, stop, monitor, backups
SOAMonitor	SOA Monitor Role	SOA application monitor role, has read-only privileges for monitoring
SOAAuditAdmin	SOA Audit Admin Role	SOA audit administrator role, can perform audit configuratoin and administration
SOAAuditViewer	SOA Audit Viewer Role	SOA audit viewer role, can view audit records
BPMWorkflowAdmin	BPM Workflow System Admin Role	BPM Workflow Administrator Application Role
BPMWorkflowCustomize	BPM Workflow Customize Role	BPM Workflow Customize Application Role
BPMAGAdmin	BPM Activity Guide Admin Role	BPM Activity Guide Administrator Application Role
BPMOrganizationAdmin	BPM Organization Admin role	BPM Organization Administrator Application Role
SOADesigner	SOA Designer	SOA Designer

10.184.133.168:7401/em/faces/as/security/appRolesMain?_afPfm=oracle_soainfra&target=/Domain_soa_domain/soa_domain/soa_server1/soa-infra#

3. Select **SOA Admin** role and click the **Edit** option.
4. On the **Edit Application Roles : SOAAdmin** screen, click the **ADD** button.
The **Add Principal** pop-up window displays.

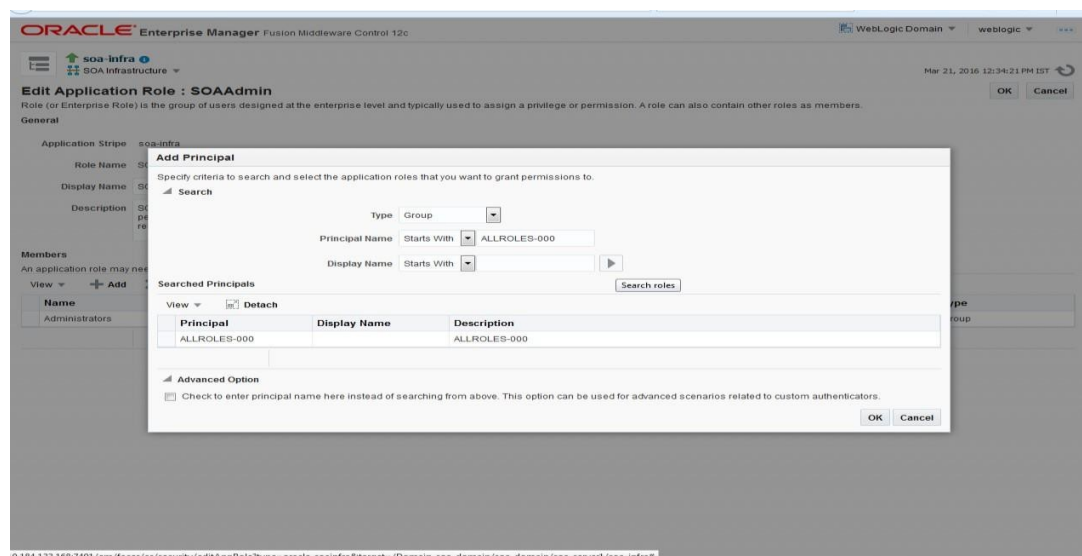
Figure 1-103 Add Principal



5. Select the **Group** from the **Type** drop-down.
6. Specify 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.

The list of application roles is displayed based on the criteria specified.

Figure 1-104 Add Principal - ALLROLES-000



7. Click the **OK** button.

1.2.11 Configure Email Driver

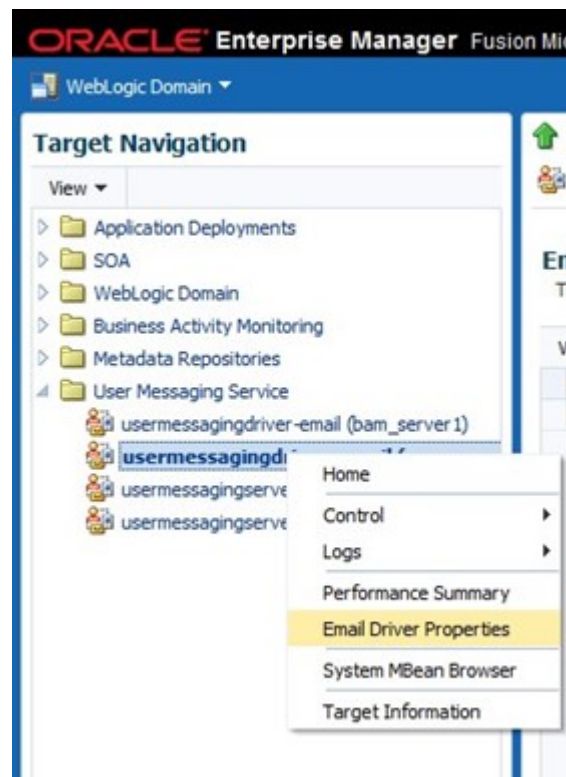
This topics explains the steps to configure the Email Driver.

To configure the Email Driver in BPEL, follow the steps below:

1. Log in to EM console.
2. Navigate to **User Messaging Service** folder.

The **User Messaging Service** target navigation folder displays.

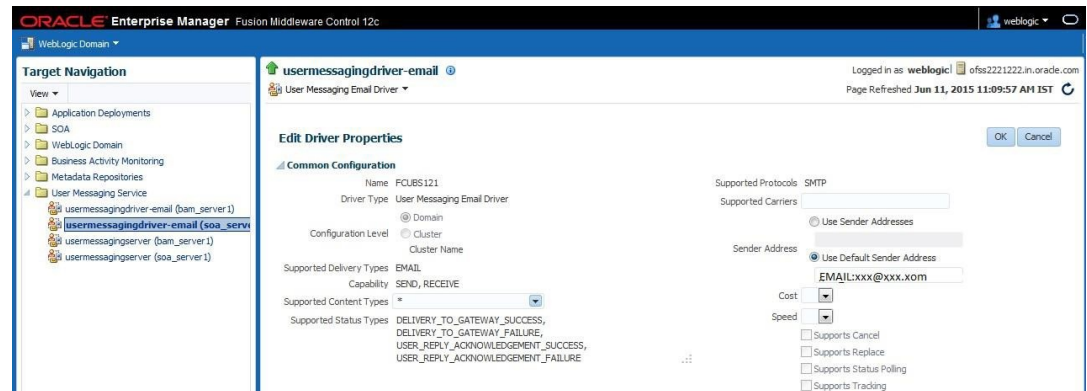
Figure 1-105 User Messaging Service



3. Right click **usermessagingdriver-email (soa_server1)**.
4. Click **Email Driver Properties**.

The **usermessagingdriver-email** screen displays.

Figure 1-106 usermessagingdriver-email



5. Specify the **Sender Address** and **Default Sender Address** (This ID will be used as sender address).
 6. Specify the supported protocols (SMTP).
 7. Select the mail access protocol (IMAP) as per the mail server specification.
- The **Driver-Specific Configuration** screen displays.

Figure 1-107 Driver-Specific Configuration

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. Specify the **Receive** folder in the mailbox (INBOX).
9. Specify the **Outgoing Mail Server** hostname or IP.
10. Specify the **Outgoing Mail Server Port**.
11. Specify the **Outgoing Default From Address**.
12. Specify the **Outgoing Username and Password** if required.

Figure 1-108 Driver-Specific Configuration

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** folder.
14. Right click **soa-infra (soa_server1)** and select **SOA Administration** and then click **Workflow Properties**.

The **Workflow Notification Properties** screen displays.

Figure 1-109 Workflow Notification Properties

15. Select **Email/ALL** from the **Notification Mode** drop-down list.
16. Specify the **From Address**, **Actionable Address**, and **Reply To Address**.

1.2.12 Configure TimeOut Settings for BPEL

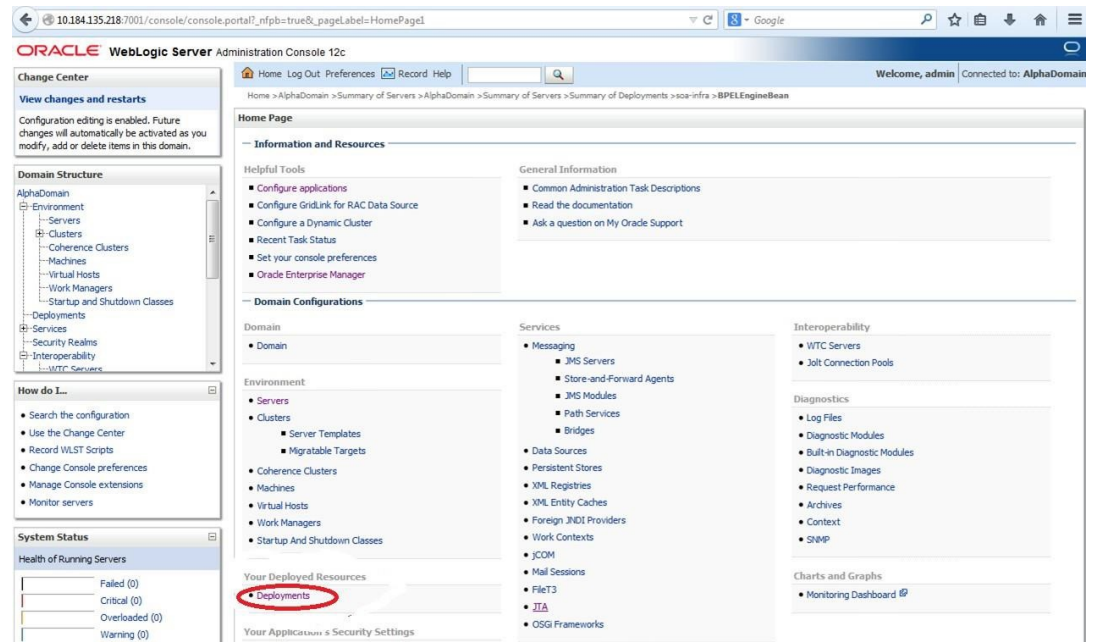
This topic explains steps to configure TimeOut Settings for BPEL.

To configure TimeOut setting for BPEL, follow the below steps:

1. Login into Console (<http://hostname:port/console>).

The **WebLogic Server Home** page displays.

Figure 1-110 WebLogic Server

2. Click **Deployments**.

The **Summary of Deployments** screen displays.

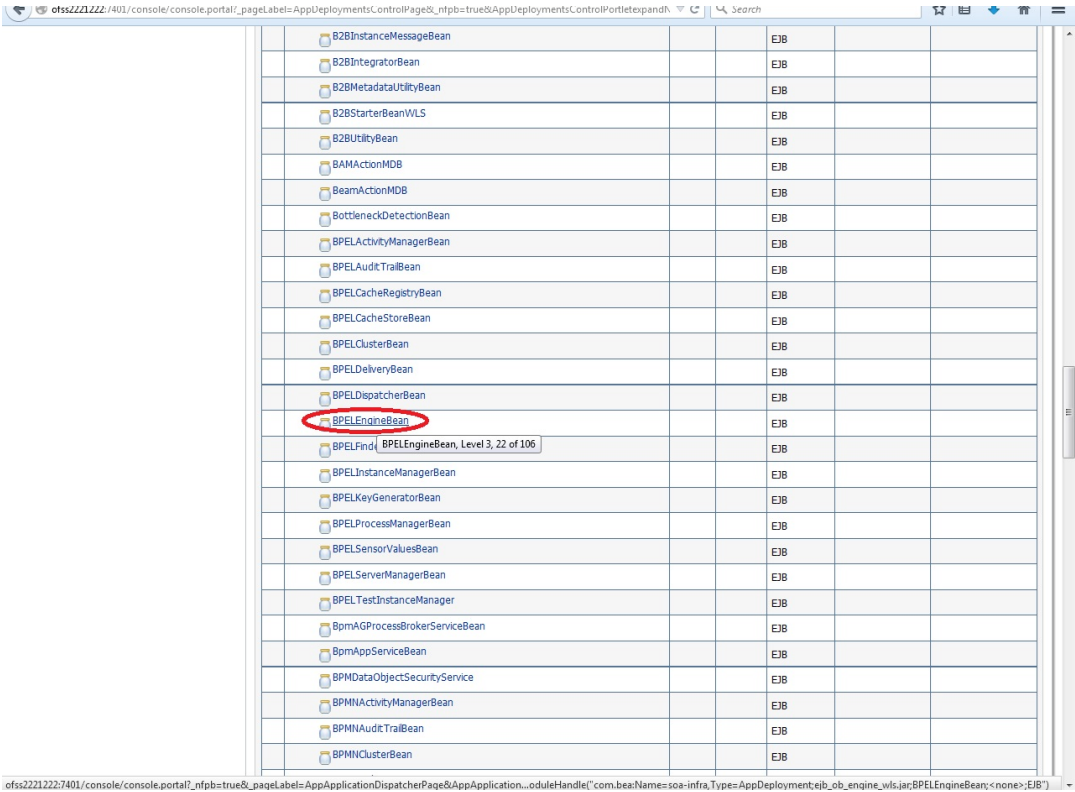
Figure 1-111 Summary of Deployments

Name	State	Health	Type	Targets	Deployment Order
oracle.wsm.console.core.view(1.0,12.1.3.0)	Active		Library	AdminServer	311
oracle.wsm.seedpolicies(2.0,12.1.3)	Active		Library	AdminServer, BAMServer, SOAServer	100
OracleAppsAdapter	Active	OK	Resource Adapter	SOAServer	328
OracleBamAdapter	Installed		Resource Adapter		329
OracleBPMBACServerApp	Active	OK	Enterprise Application	SOAServer	384
OracleBPMComposerRolesApp	Active	OK	Enterprise Application	SOAServer	382
OracleBPMProcessRolesApp	Active	OK	Enterprise Application	SOAServer	381
OracleBPMWorkspace	Active	OK	Enterprise Application	SOAServer	383
oracle18n-adf(11.1.1.1.1.0)	Active		Library	AdminServer, BAMServer, SOAServer	100
owasp.esap(2.0,12.1.3)	Active		Library	AdminServer, BAMServer, SOAServer	100
SAPAdapter	Installed		Resource Adapter		335
SimpleApprovalTaskFlow	Active	OK	Enterprise Application	SOAServer	386
soa-infra	Active	OK	Enterprise Application	SOAServer	350
soa-webapps	Active	OK	Enterprise Application	SOAServer	360
soa.em	Active		Library	AdminServer	100
SocketAdapter	Installed		Resource Adapter		326
state-management-provider-memory-rar-12.1.3	Active	OK	Resource Adapter	AdminServer, BAMServer, SOAServer	100
UIDX(11,12.1.3.0.0)	Active		Library	AdminServer, BAMServer, SOAServer	100

3. Click **soa-infra** application under deployments.4. Go to **EJBs**, click **BPELEngineBean**.

The **Summary of BPELEngineBean** screen displays.

Figure 1-112 Summary of BPELEngineBean



The screenshot shows the Oracle SOA Suite console displaying a list of beans. The beans are listed in a table with columns for the bean name, type, and other details. The BPELEngineBean is highlighted with a red circle. The table contains the following beans:

Bean 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
BPELEngineBean	EJB
BPELFind(BPELEngineBean, Level 3, 22 of 106)	EJB
BPELInstanceManagerBean	EJB
BPELKeyGeneratorBean	EJB
BPELProcessManagerBean	EJB
BPELSensorValuesBean	EJB
BPELServerManagerBean	EJB
BPELTestInstanceManager	EJB
BpmAGProcessBrokerServiceBean	EJB
BpmAppServiceBean	EJB
BPMDataObjectSecurityService	EJB
BPMNActivityManagerBean	EJB
BPMNAuditTrailBean	EJB
BPMNClusterBean	EJB

5. On the **BPELEngineBean** screen, click **Configuration** and set **Transaction TimeOut** to 300.

Figure 1-113 BPELEngineBean Configuration - Transaction Timeout

The screenshot shows the 'Settings for BPELEngineBean' page in the Oracle WebLogic console. The left sidebar contains navigation links for 'Factories', 'Virtual Hosts', 'Work Managers', 'Startup and Shutdown Classes', 'Deployments', 'Services', 'Security Realms', 'Interoperability', and 'WTT Services'. Below these are sections for 'How do I...' (with links like 'Configure Version 2.X EJBs', 'View deployment status of EJBs', etc.) and 'System Status' (showing 'Health of Running Servers' with counts for Failed, Critical, Overloaded, Warning, and OK states).

The main configuration area for 'BPELEngineBean' includes the following fields:

- Name:** BPELEngineBean
- Type:** stateless
- Transaction Type:** Container
- EJB Class Name:** com.colaxa.cube.engine.ejb.impl.bpel.BPELEngineBean
- Pool Configuration:**
 - Initial Beans in Free Pool:** 100
 - Max Beans in Free Pool:** 1000
 - Idle Timeout:** 0
- Enterprise Bean Configuration:**
 - Network Access Point:** (empty)
 - Run As Principal Name:** (empty)
 - Create As Principal Name:** (empty)
 - Remove As Principal Name:** (empty)
 - Passivate As Principal Name:** (empty)
 - JNDI Name:** (empty)
 - Local JNDI Name:** (empty)
 - Dispatch Policy:** (empty)
 - Transaction Timeout:** 300 (highlighted with a red circle)

At the bottom of the configuration area is a 'Save' button. The footer of the console window displays 'WebLogic Server Version: 12.1.3.0.0' and the date '11:30 AM 6/17/2015'.

- Go to **EJBs**, click **BPELDeliveryBean**.

The **Summary of BPELDeliveryBean** screen displays.

Figure 1-114 Summary of BPELDeliveryBean

B2BUtilityBean	EJB
BAMActionMDB	EJB
BeamActionMDB	EJB
BottleneckDetectionBean	EJB
BPELActivityManagerBean	EJB
BPELAuditTrailBean	EJB
BPELCacheRegistryBean	EJB
BPELCacheStoreBean	EJB
BPELClusterBean	EJB
BPELDeliveryBean	EJB
BPELDispatcher	EJB
BPELEngineBean	EJB
BPELFinderBean	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
BPMNDeliveryBean	EJB
BPMNDispatcherBean	EJB
BPMNEngineBean	EJB
BPMNFinderBean	EJB

7. On the **BPELDeliveryBean** screen, click **Configuration** and set **Transaction Timeout** to 300.

Figure 1-115 BPELDeliveryBean Configuration - Transaction Timeout

How do I...

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

System Status

Health of Running Servers

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

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

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

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

Pool Configuration

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

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

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

Enterprise Bean Configuration

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

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

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

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

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

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

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

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

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

Save

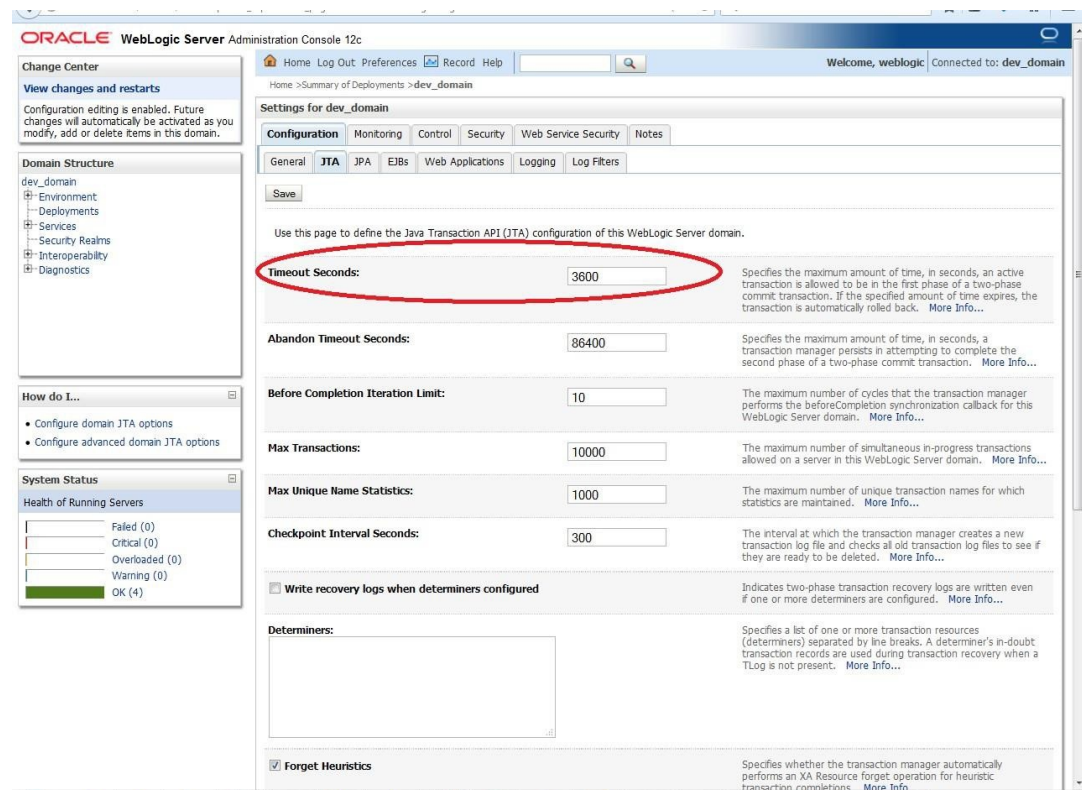
WebLogic Server Version: 12.1.3.0.0

8. Login to Console and click **JTA** under **Services**.
9. Set the **JTA timeout** according to the below condition:

BPELEngineBean + BPELDeliveryBean is $\leq$ JTA timeout (For example $300+300 \leq 600$).

The **Settings for dev_domain JTA** screen displays.

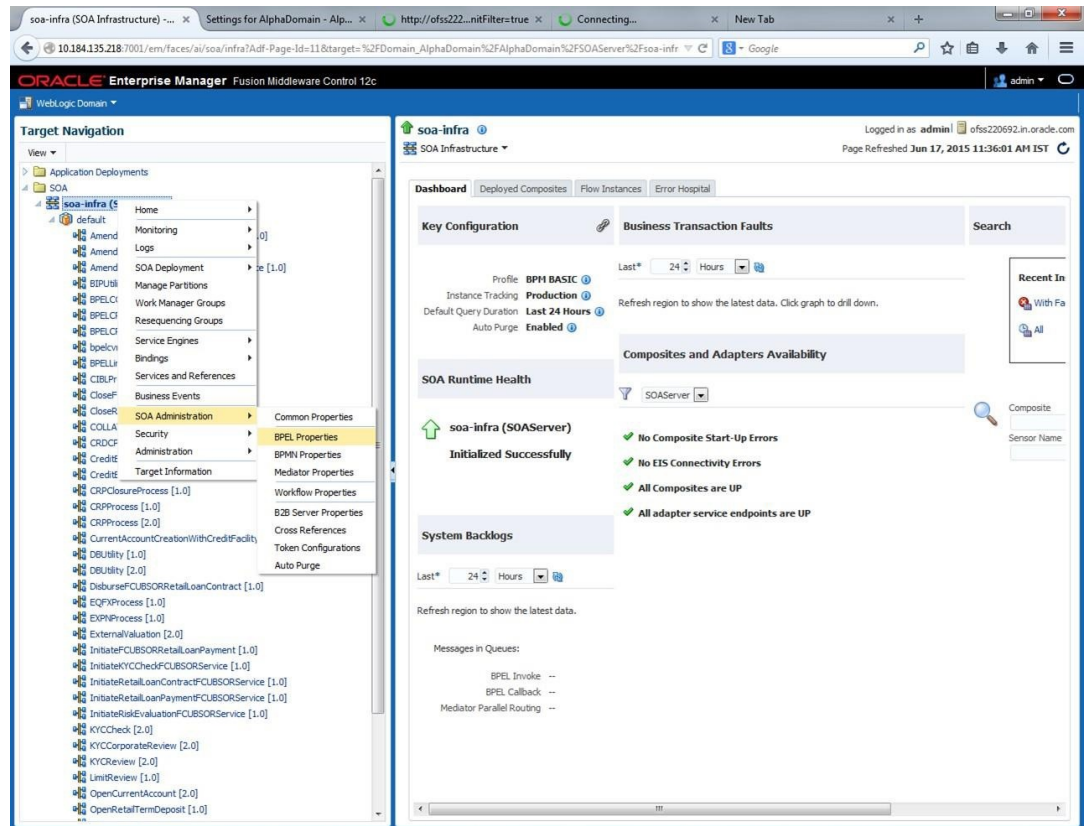
Figure 1-116 Settings for dev_domain - JTA



10. Login to EM console (<http://host:port/em>).
11. Right click on the **soa-infra (SOAServer)**.
12. Select **SOA Administration** and then click the **BPEL Properties**.

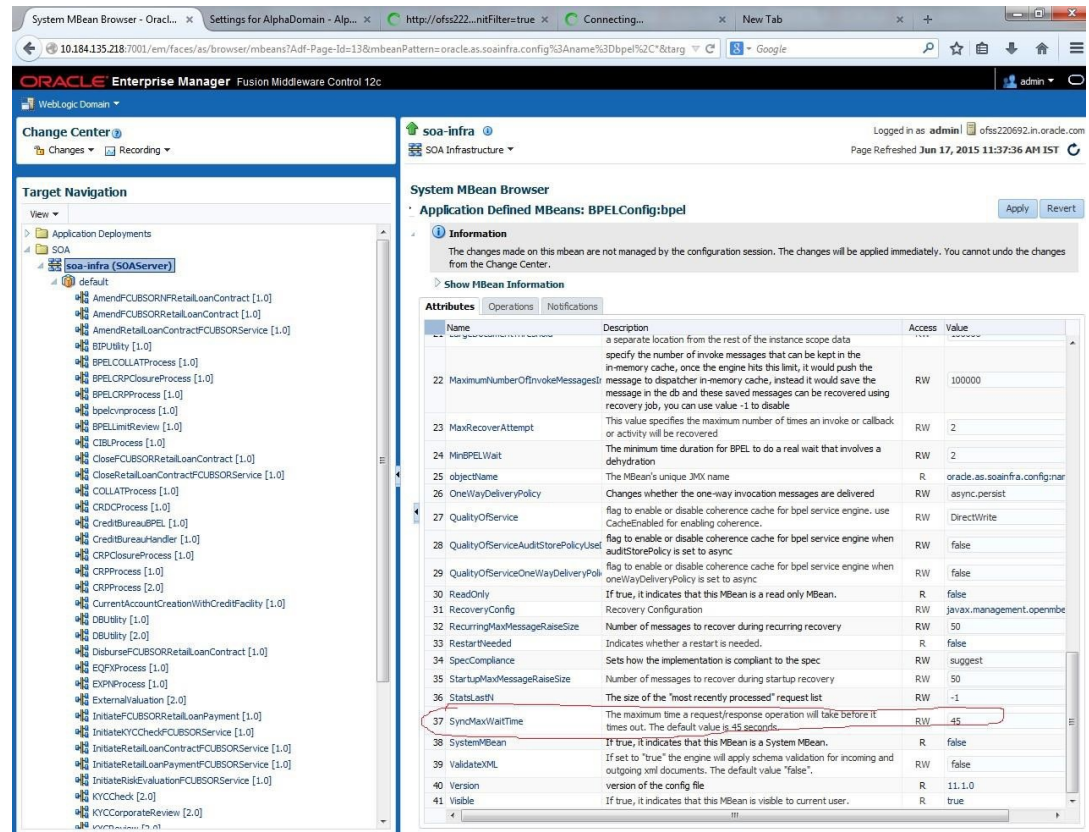
The **soa-infra** screen displays.

Figure 1-117 SOA Infra



13. Click **MoreConfigpropeties** and then click **SyncMaxWaitTime**.
14. Change the **SyncMaxWaitTime** to 200 secs.

Figure 1-118 System MBean Browser



1.3 Integration of Oracle FLEXCUBE UBS and Scheduler

This topic explains Integration of Oracle FLEXCUBE UBS and Scheduler.

Before deploying the Oracle FLEXCUBE UBS EAR file, you must follow the tasks below.

- [Running Backend Scripts](#)

This topic provides the systematic instructions to run the backend scripts in the schema.

1.3.1 Running Backend Scripts

This topic provides the systematic instructions to run the backend scripts in the schema.

You must compile specific tables related to the Scheduler in the schema that are pointed by the application. Use the latest qualified version of Quartz.

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>.
2. Extract the **gz** file.
3. Open the **Quartz-Latest Qualified Version\docs\dbTables** folder and run the **tables_oracle.sql** (this is specific to Oracle Database) in the schema.

Note

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

1.4 Integration of Oracle FLEXCUBE UBS and BIP Reports

This topic explains integration of Oracle FLEXCUBE UBS and BIP Reports.

For more details about integrate Oracle FLEXCUBE UBS and BIP reports, refer to the *BIP Web Service Reports* chapter in the *Oracle Analytics Publisher Web Service Reports* user manual.

- [Deploy Application Through Application Server's Admin Console](#)
This topic explains deployment of application through Weblogic Administration Console.

1.4.1 Deploy Application Through Application Server's Admin Console

This topic explains deployment of application through Weblogic Administration Console.

For more details related to the deployment of Application using Weblogic Administration Console, refer to the *Deploying Oracle FLEXCUBE Application on WebLogic* user manual.

1.5 Integration of Oracle FLEXCUBE UBS and MBean

This topic explains to integrate Oracle FLEXCUBE UBS with MBean plug-in.

To integrate Oracle FLEXCUBE UBS and MBean, you must follow the below steps before deploying the Oracle FLEXCUBE UBS EAR file created with MBean as a Plugin.

- [Startup Script Modification](#)
This topic explains the Startup Script Modification.

1.5.1 Startup Script Modification

This topic explains the 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 below:

1. Go to the **Weblogic domain** home folder.
 - a. Based on the operating system used, open **startWeblogic.cmd** (Windows) or **startWeblogic.sh** (Linux) from the **bin** folder.
 - b. 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
)
```

2. Restart the Weblogic server.