Setting up Plug-Ins
Oracle FLEXCUBE Universal Banking
Release 12.2.0.2.8
[July] [2017]

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1. Setting up Plug-Ins

1.1 Introduction

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

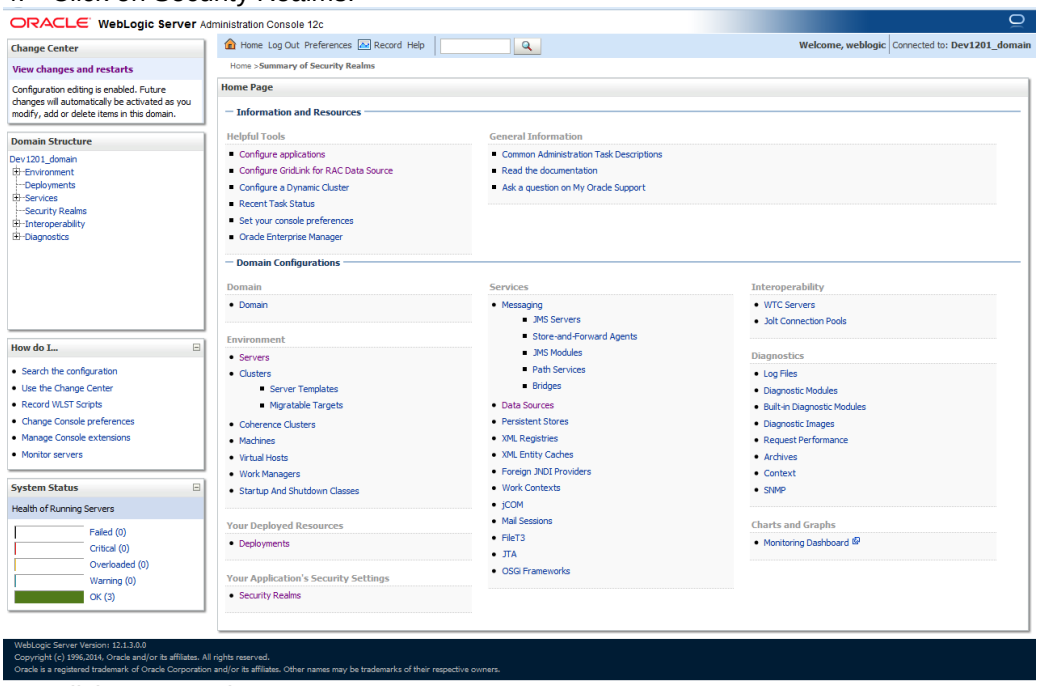
1.2 Integrating Oracle FLEXCUBE UBS and BPEL

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

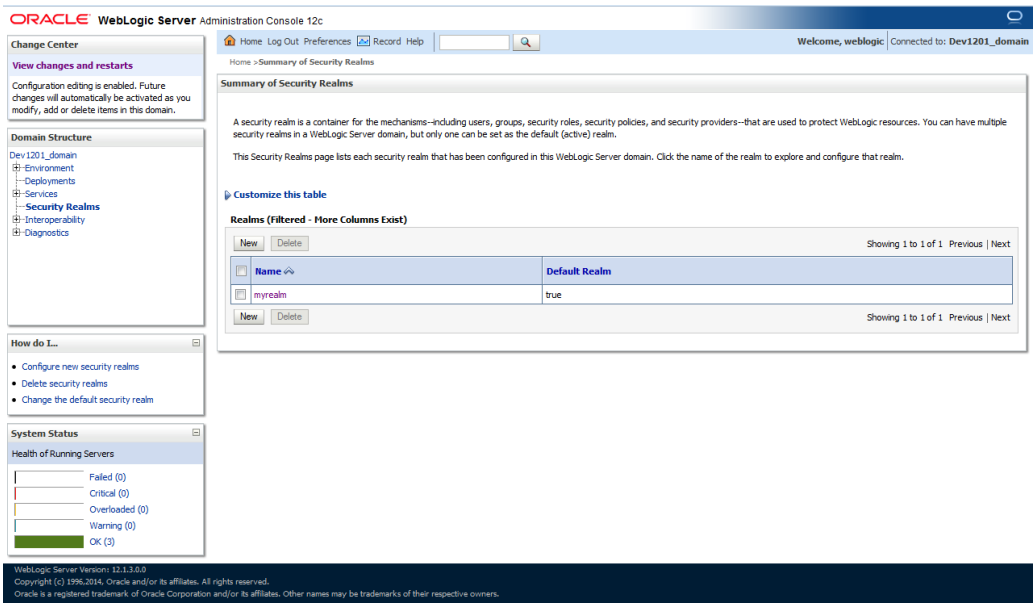
1.2.1 Custom Provider Configuration

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

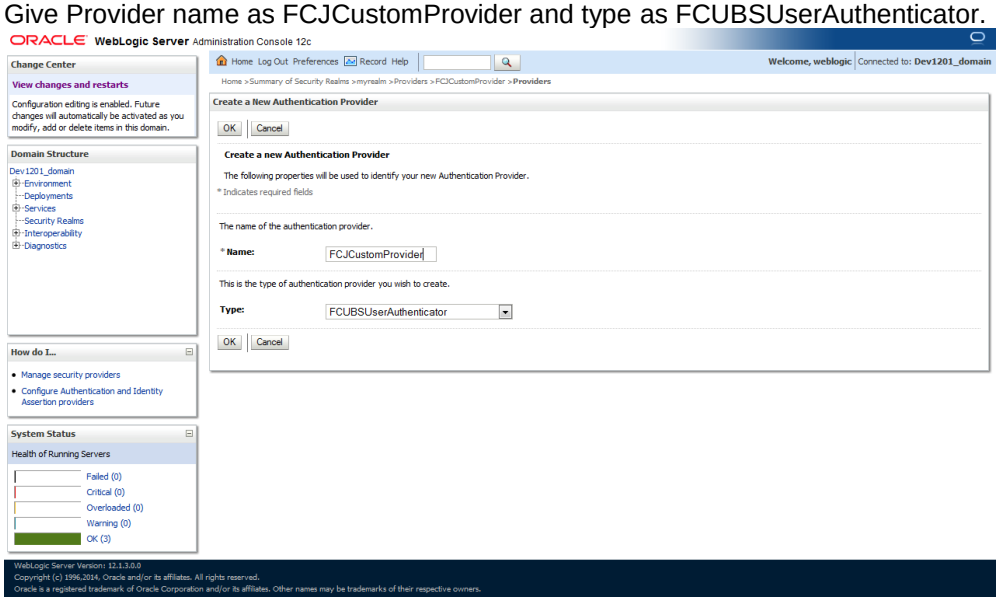
1. Along with FCUBS Ear file, Installer creates FCUBSAuthenticationProvider.jar file. Copy this files to <ORACLE_HOME>\wlserver\server\lib\mbeantypes
2. Restart the Admin Server
3. Login to the Console
4. Click on Security Realms.



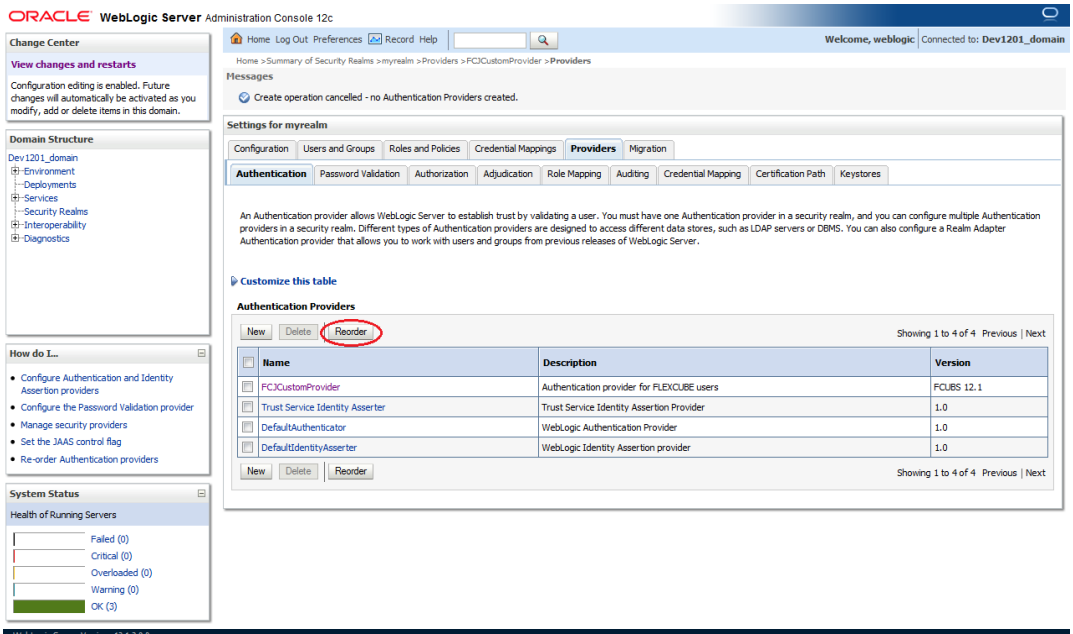
5. Click on myrealm.

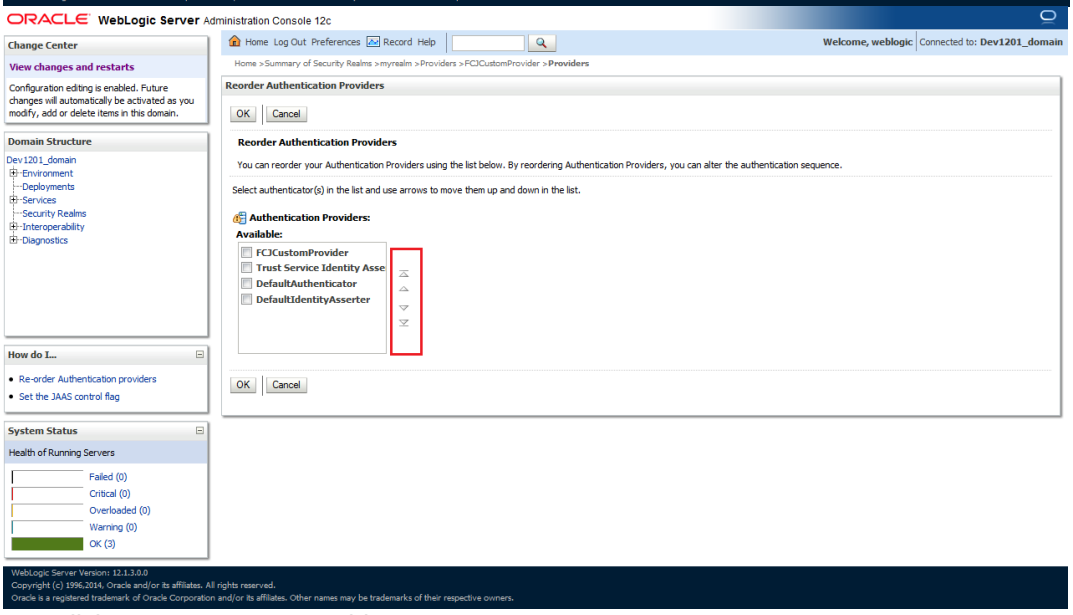


6. Click on Providers tab and click on new button to create new authentication provider.
7. Give Provider name as FCJCustomProvider and type as FCUBSUserAuthenticator.

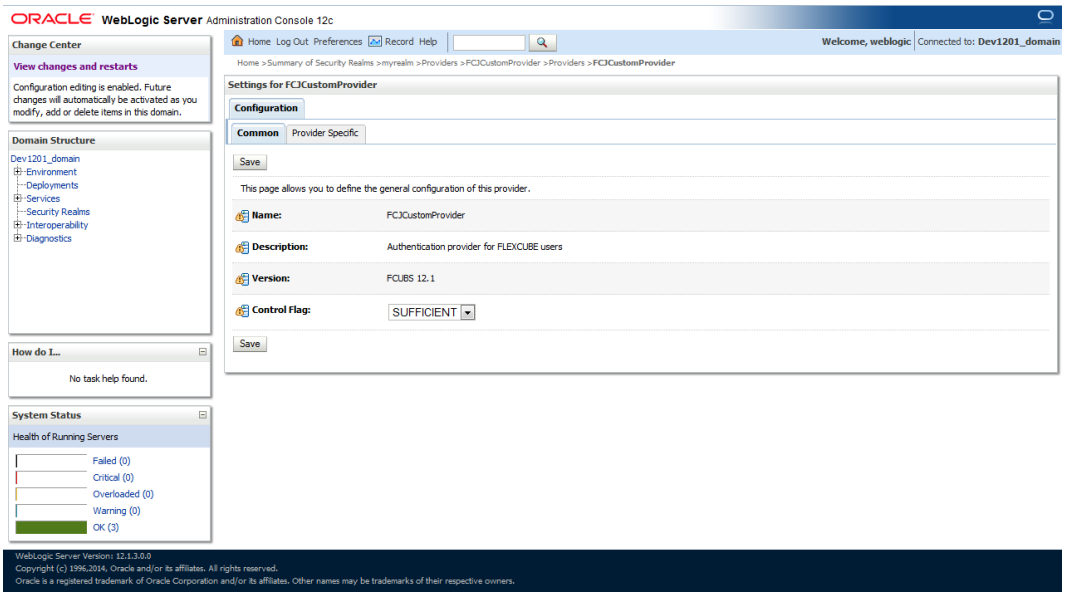


8. Click Reorder to bring provider to first of all providers and click OK.

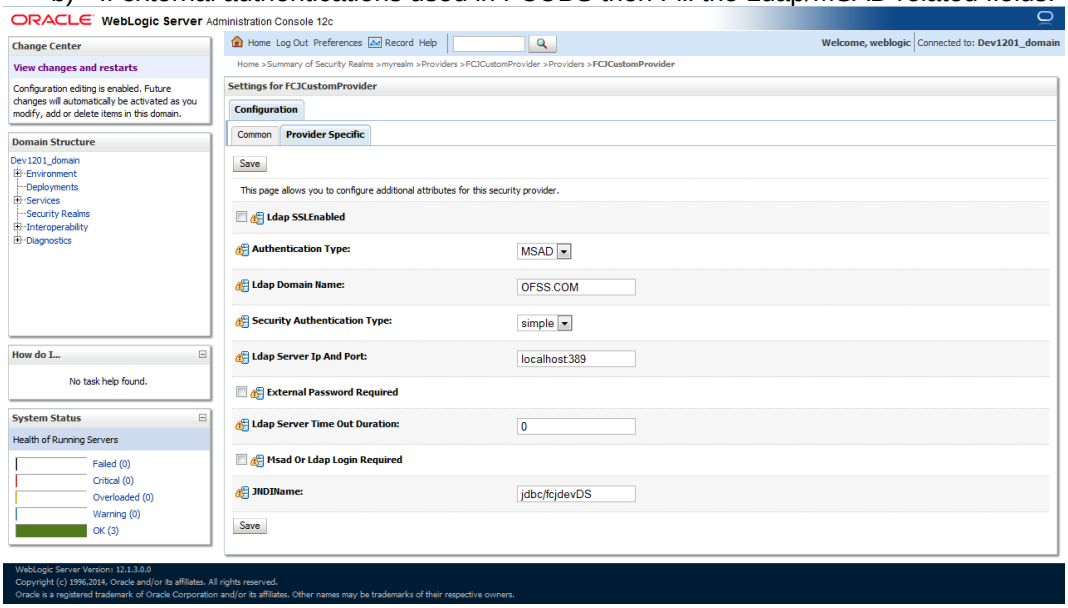




9. Click on FCJCustomProvider.
10. In Common tab change the control flag to “SUFFICIENT”.



11. In Provider Specific tab
    a) Set JNDIName as Flexcube JNDI Name.
    b) If external authentications used in FCUBS then Fill the Ldap/MSAD related fields.



12. For manually editing the config.xml go to <ORACLE_HOME>\Middleware\user_projects\domains\base_domain\config\ path. Open config.xml file. The following codes need to be added at proper locations in the config.xml.
    a) Search for < realm> tag and add the following code between <realm> and </ realm> tags.This should be the first child of the realm Node.

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

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

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

1.2.2 Configuring libovd for single Entity

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

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

fcubs_adapter.xml

7. Search for <FCUBSDATASOURCE> in fcubs_adapter.xml and update it with fcubs Datasource name.
8. Execute "libovdadapterconfig" script which is present in '<MIDDLEWARE_HOME>/oracle_common/bin' with below parameters.Update the admin server host name or ip ,admin server port ,weblogic user id,domain home and fcubs datasource

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

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

1.2.3 Configuring libovd for MultiEntity

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

fcubs_adapter_ EntityId.xml

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

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

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

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

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

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

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

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

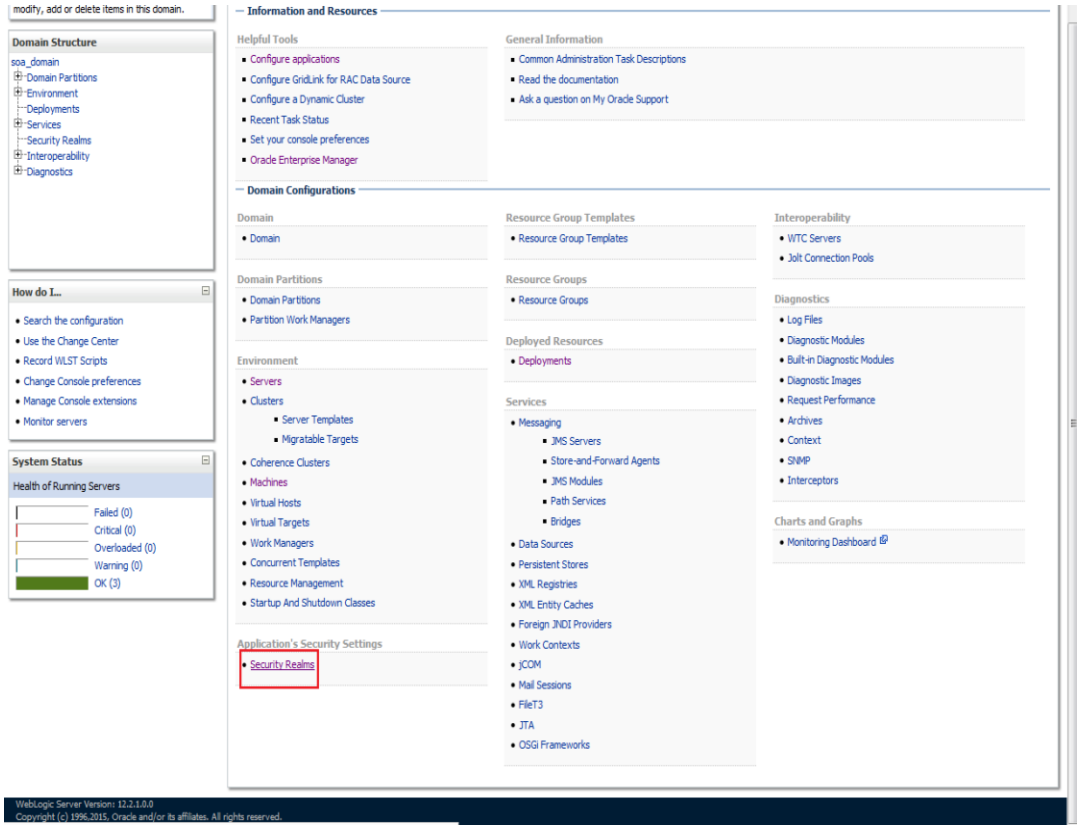
8. Execute "libovdadapterconfig" script which is present in '<MIDDLEWARE_HOME>/oracle_common/bin' with below parameters.Update the admin server host name or ip ,admin server port ,weblogic user id,domain home ,root and fcubs datasource

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

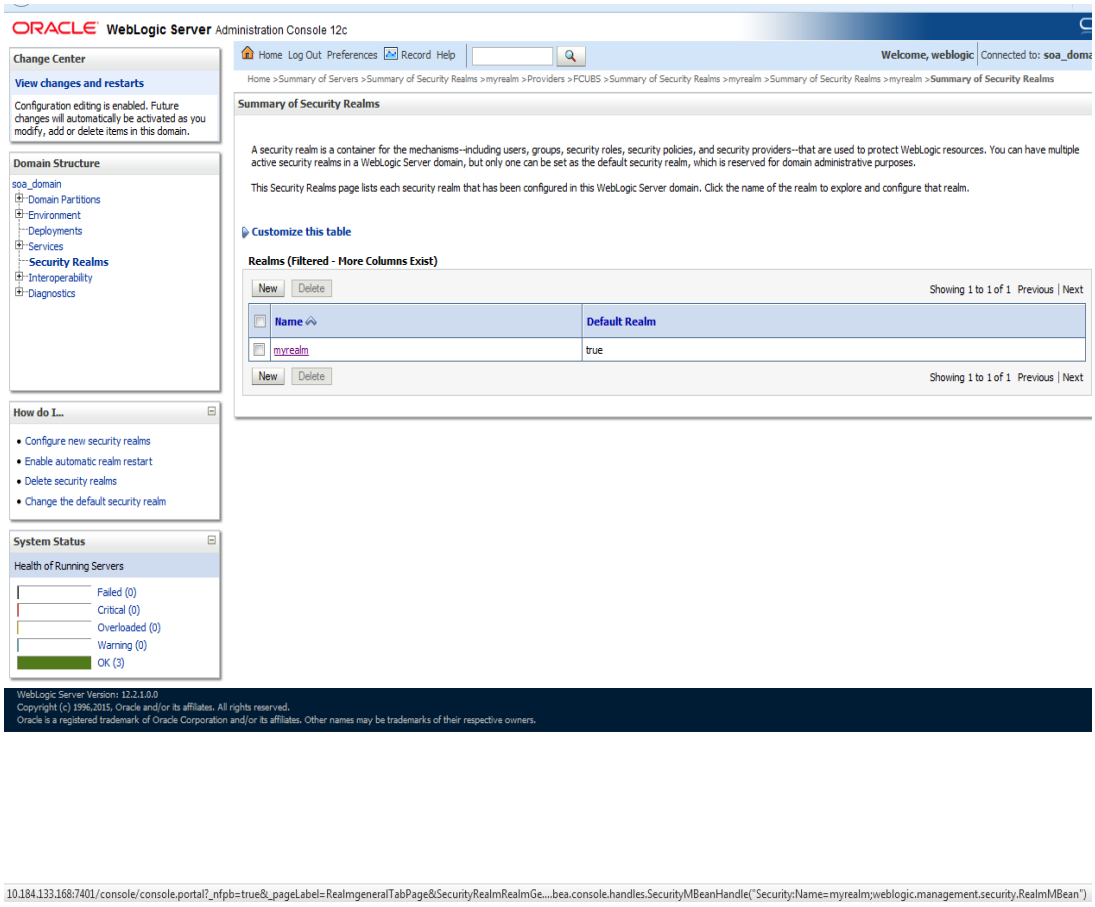
9. Repeat from step2 to step7for each entity creation
10. Once the above steps are completed, restart the server.

1.2.4 Configuring for Multiple Providers for Multiple Entities

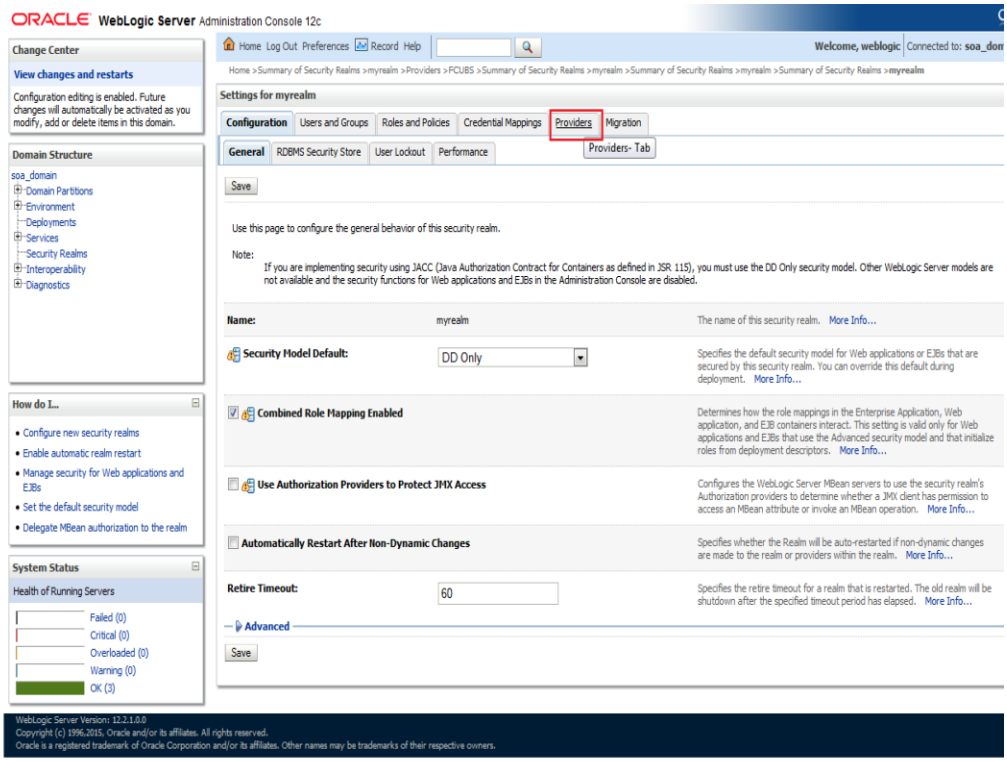
1. Login to the Adminserver.
2. Click on security Realms.



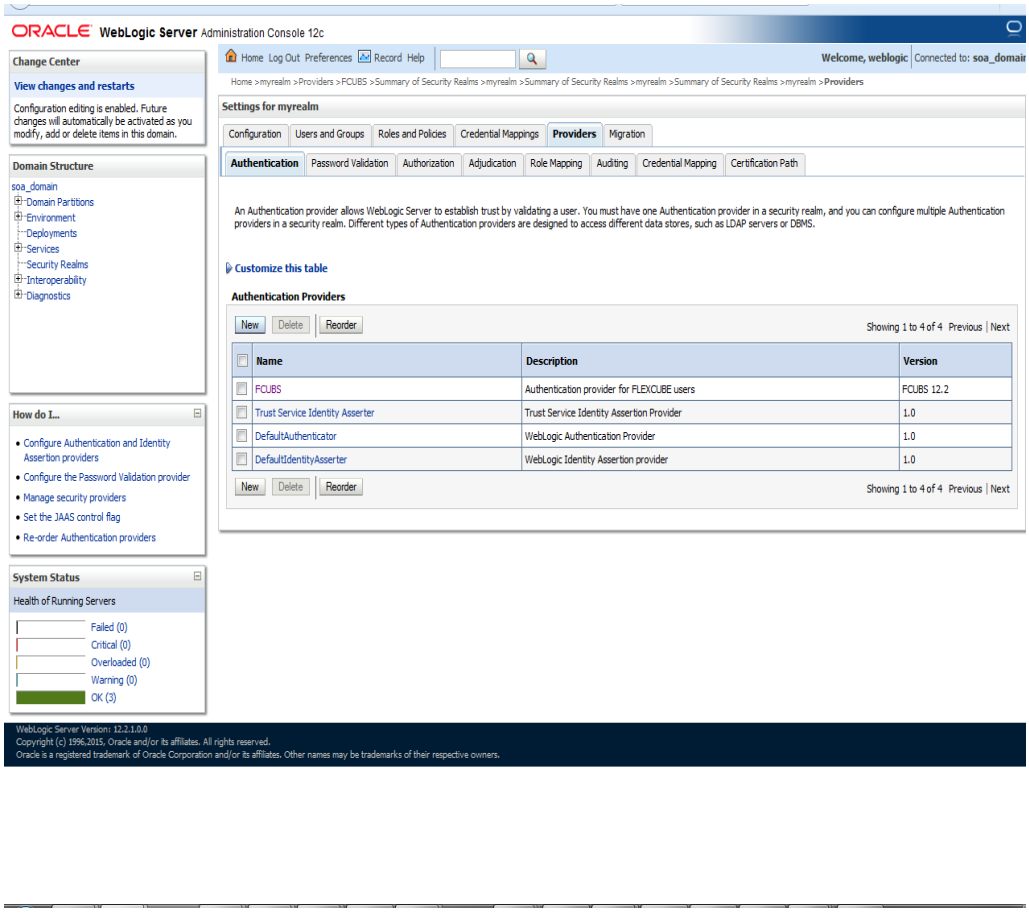
3. Click on myrealms.



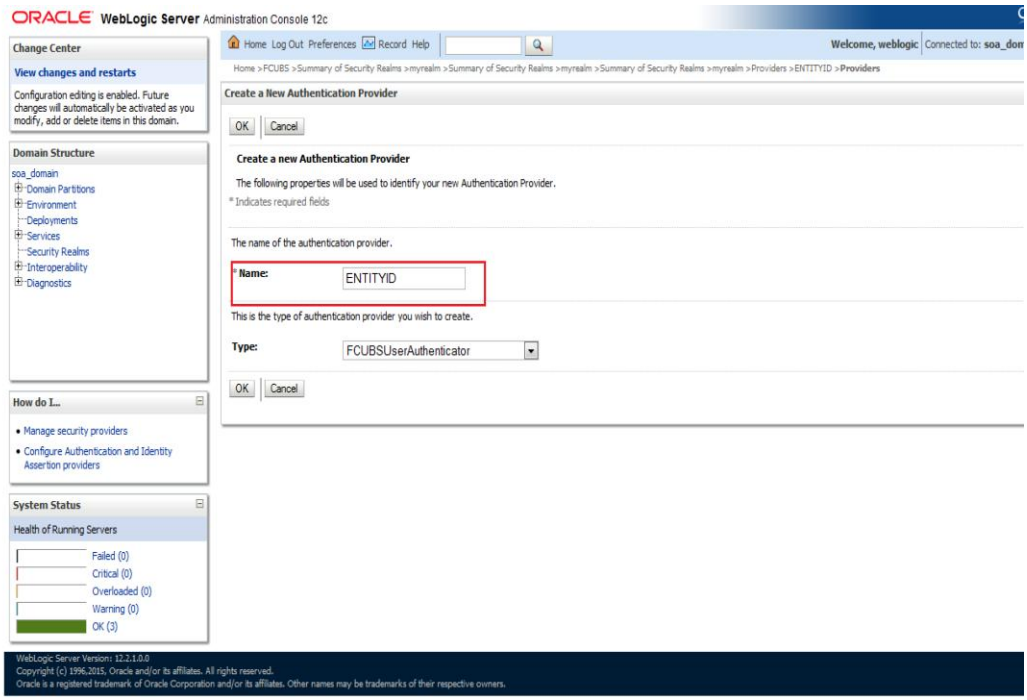
4. Click on Providers.



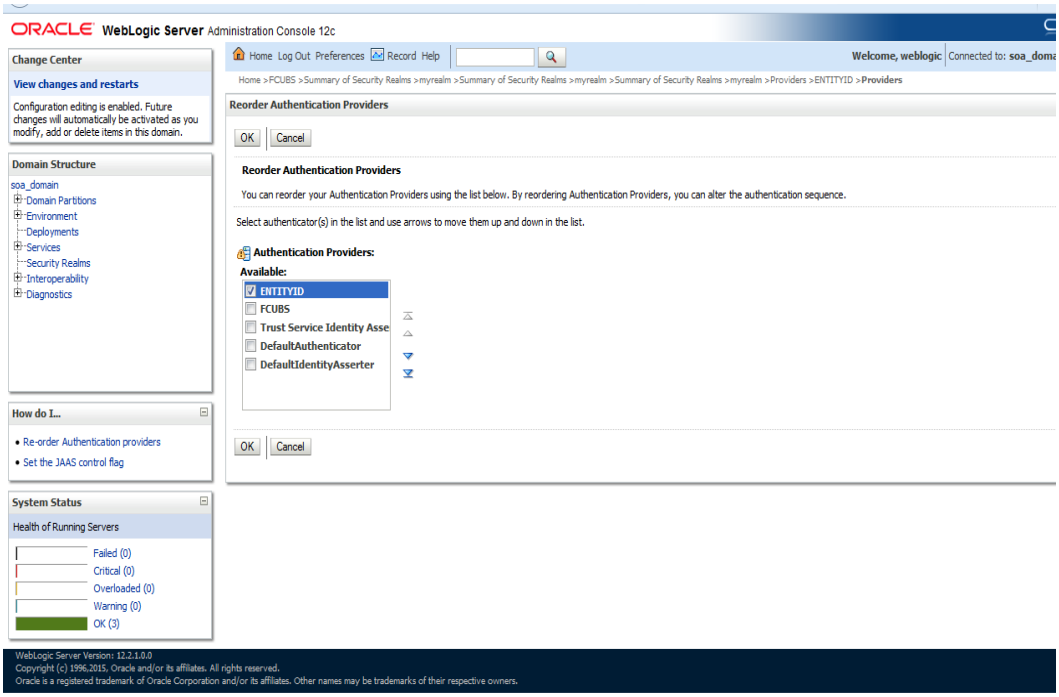
5. Click on New



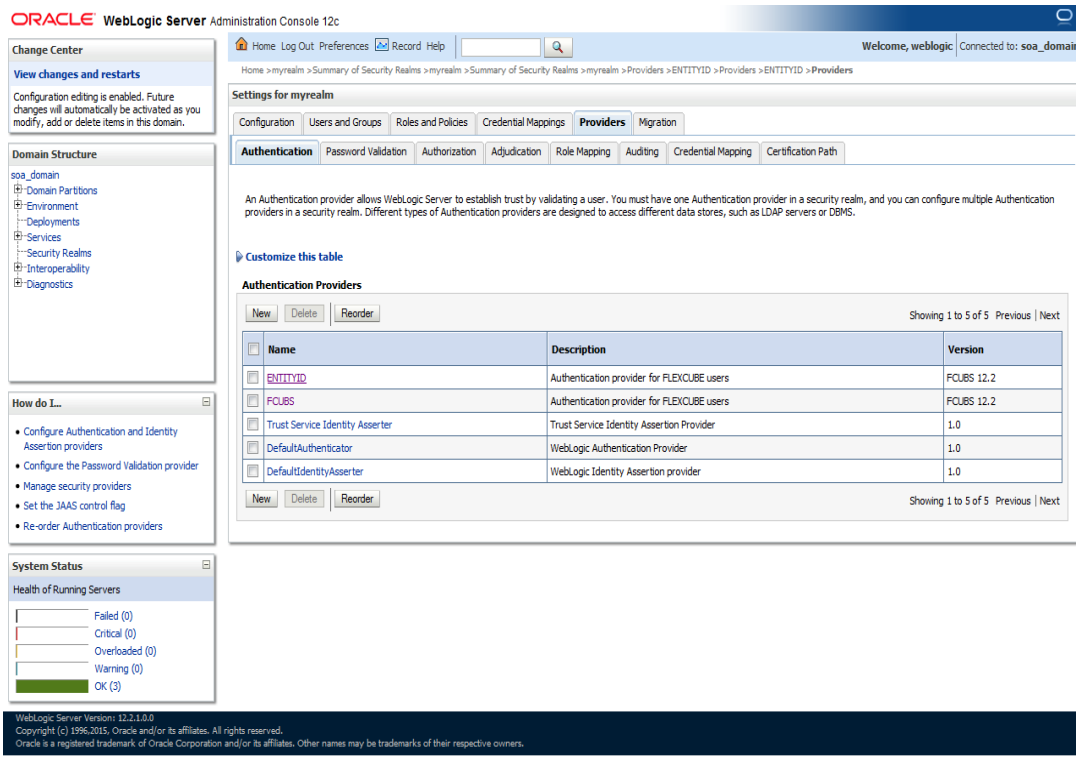
6. Enter the Name with proper Entity Name(entity name we mapped in propertyfile) and select the type as FCUBSUserAuthenticator



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

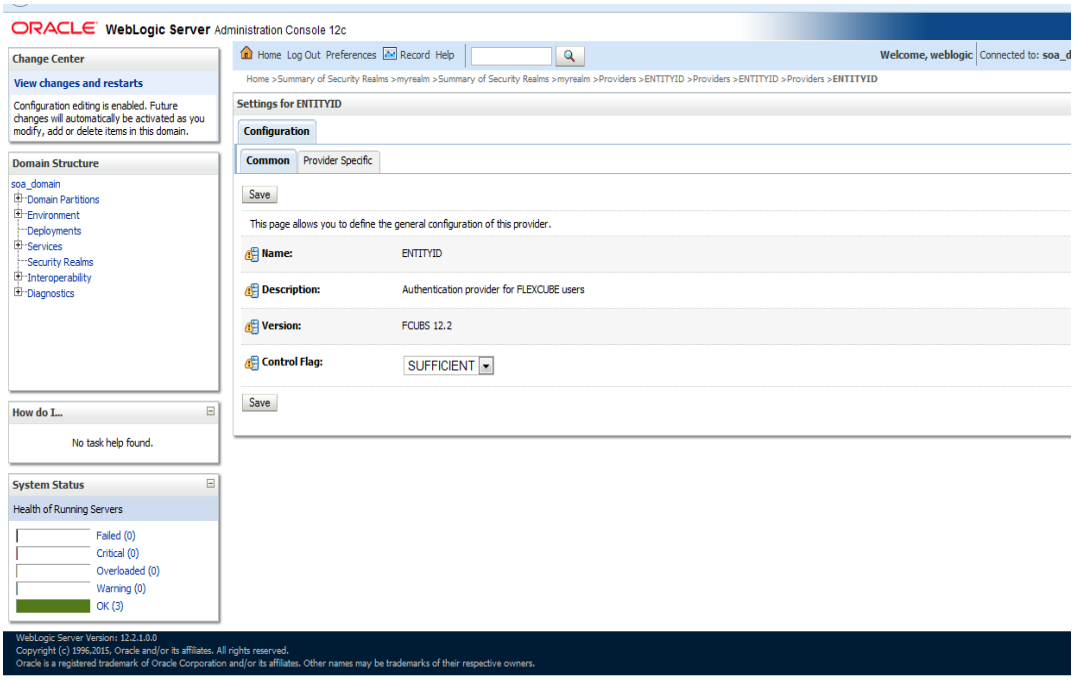


8. Click the Provider that we have created.

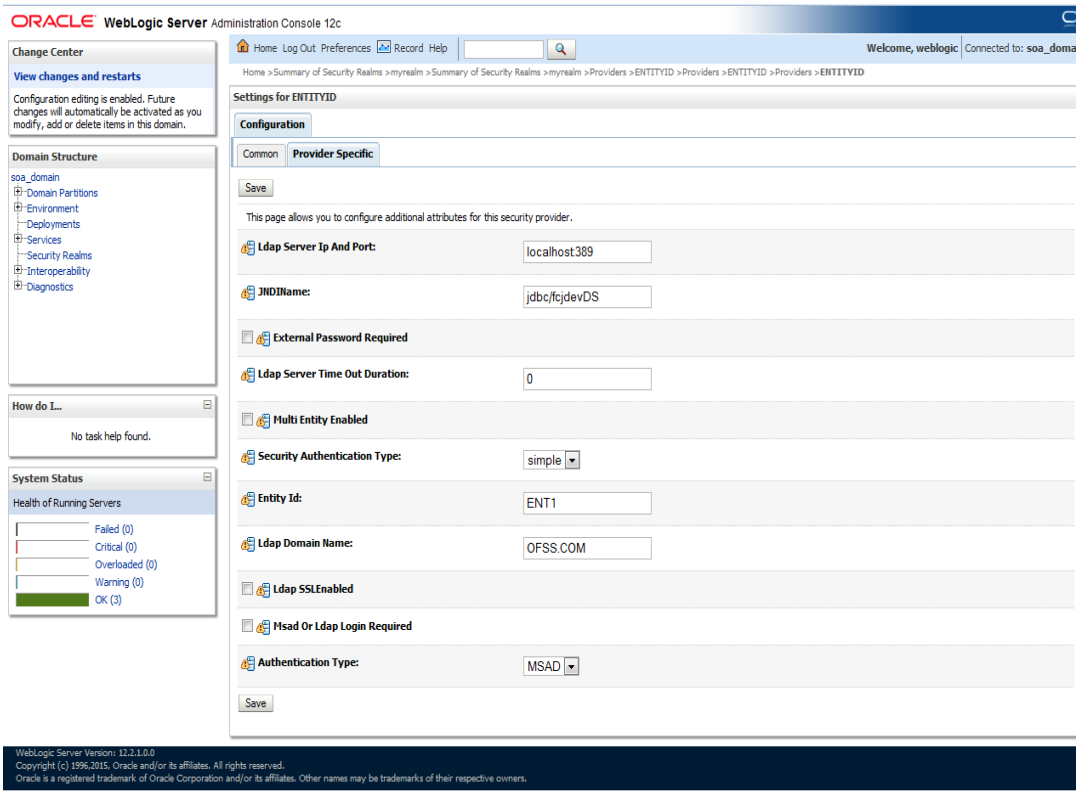


10.184.133.168:7401/console/console.portal?_nfpb=true&DispatcherPortletperspective=configuration&_pageLabel=...viders.authentication.FCUBSUserAuthenticatorMBean%22%29&DispatcherPortletproviderType=AuthenticationProvider

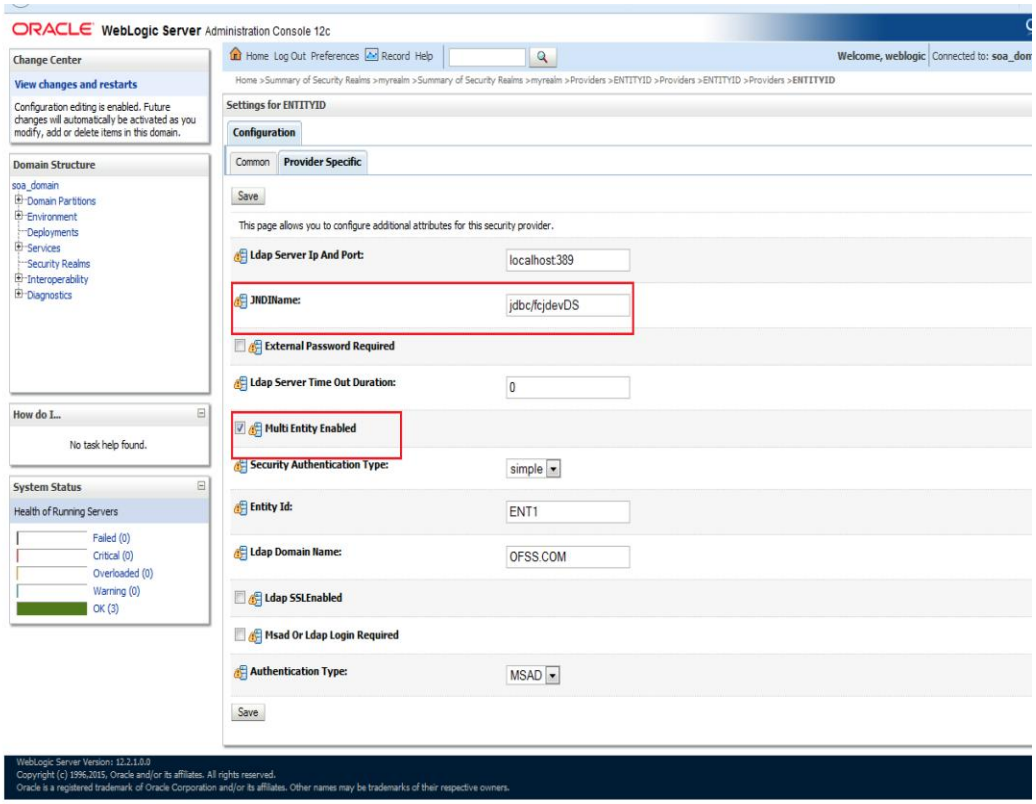
9. In comman tab select the control flag as SUFFICENT from the list and click on save.



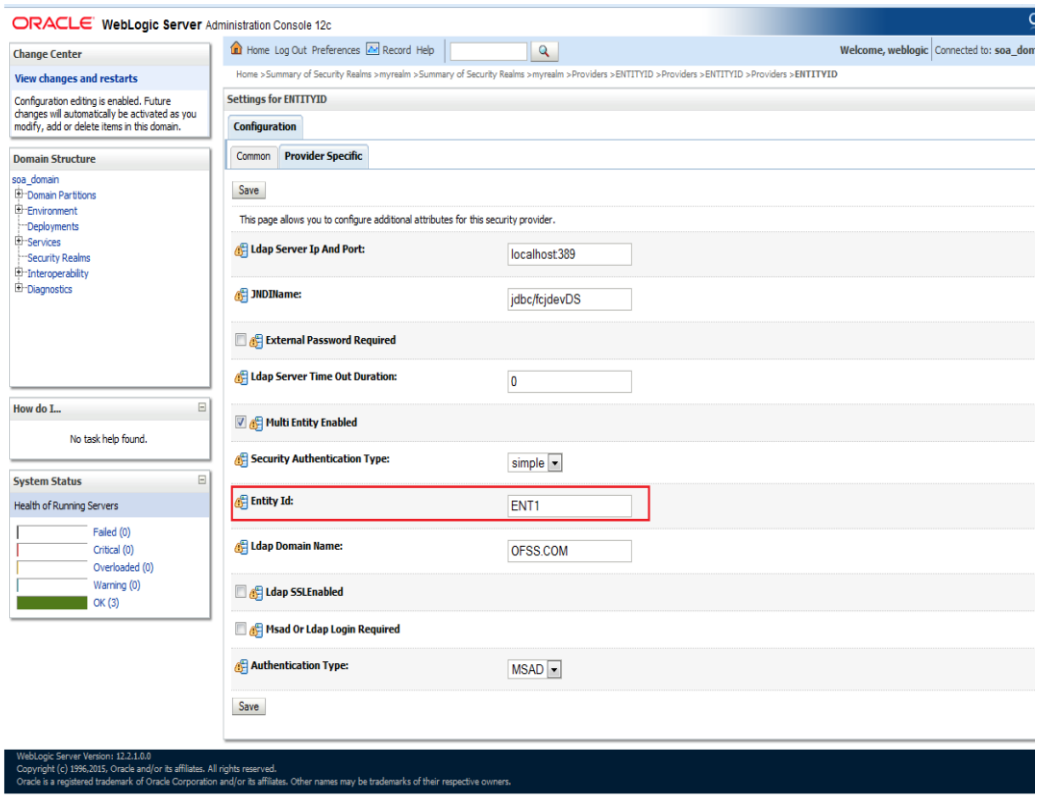
10. Select the provider specific tab .



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



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

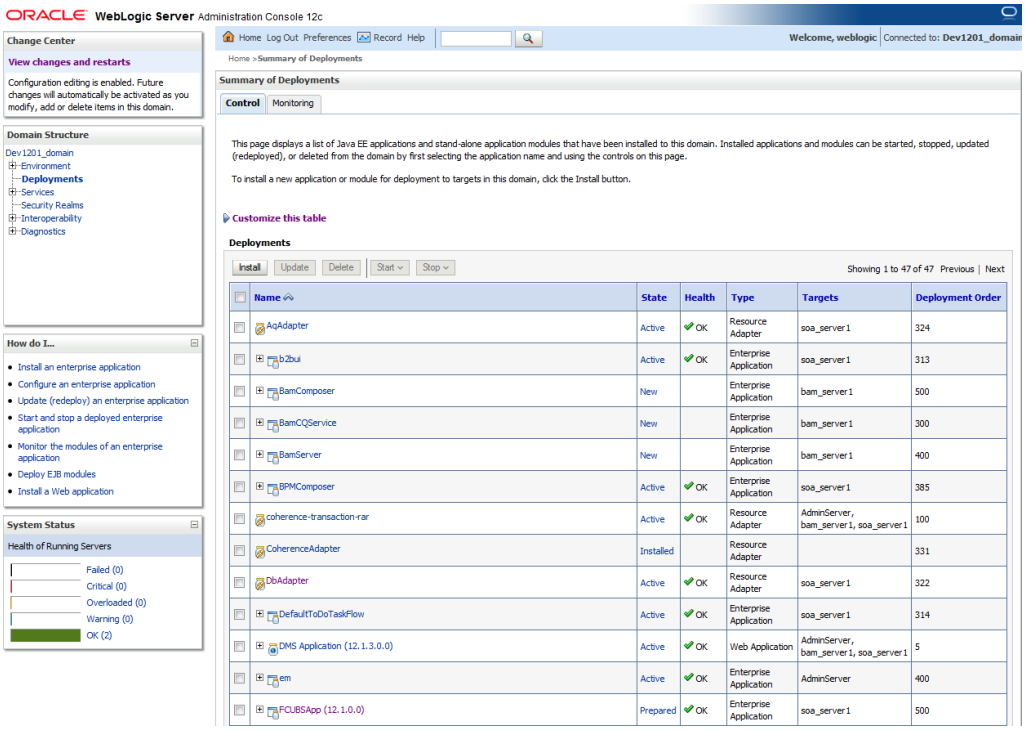


13. Create the new datsource for each entity with the JNDI name which we mapped in the property file.
14. Restart the Admin server
15. Continue the step1 to step15 for each provider creation in mutlientity scenario.

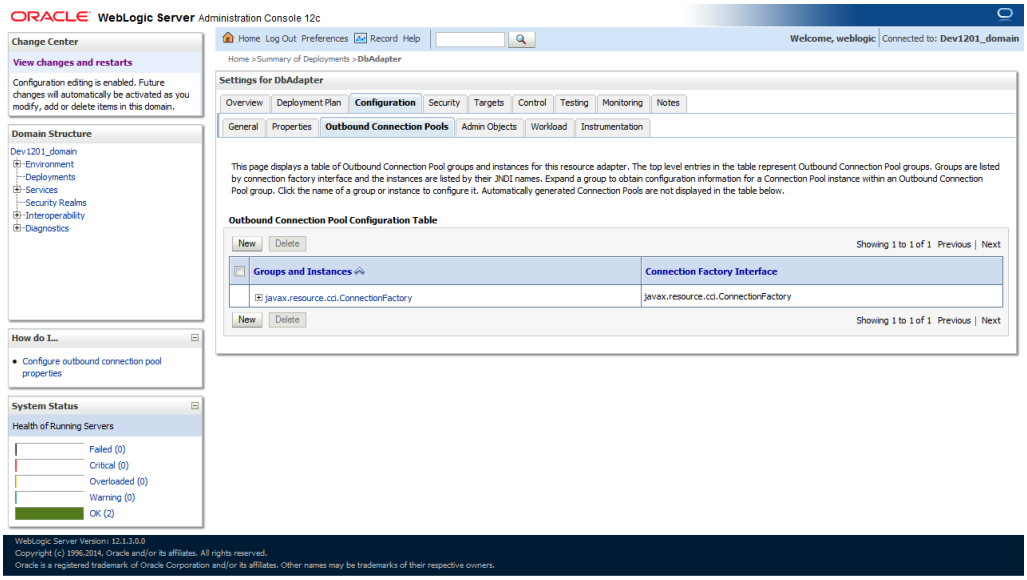
1.2.5 Configuring DBAdapter

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

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



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

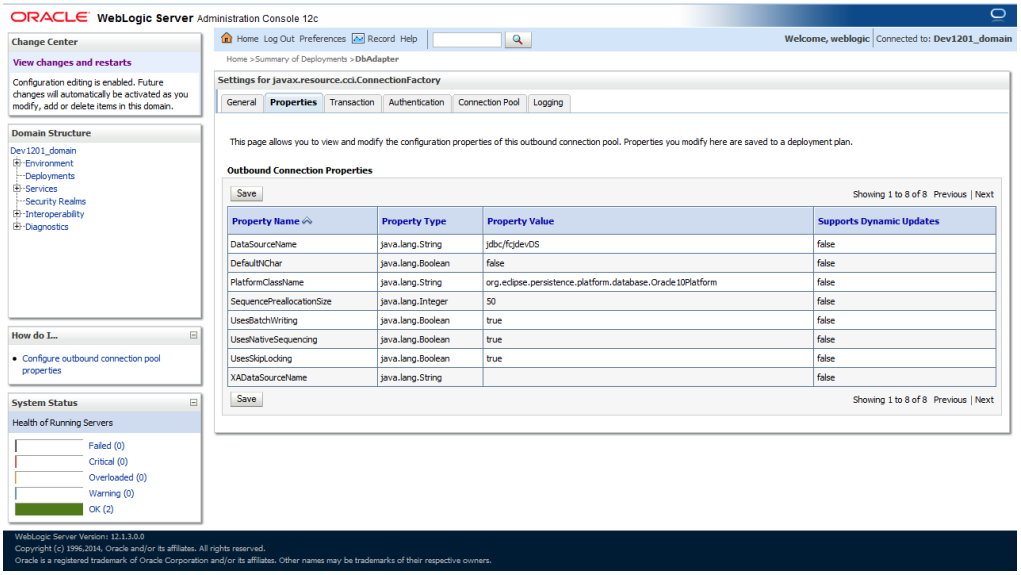


12. Click ‘Configuration’ tab and select ‘Outbound Connection Pools’ under it.

13. Under ‘Groups and Instances’, click and expand ‘javax.resource.cci.ConnectionFactory’.
14. Click ‘New’ and select ‘javax.resource.cci.ConnectionFactory' in Outbound Connection Group.
15. Define ‘JNDI Name’ as ‘eis/DB/FCCDEV’ and click on ‘Finish’.

The ‘jndi name’ should be the same as the one in ‘Dbutility sub-process’.

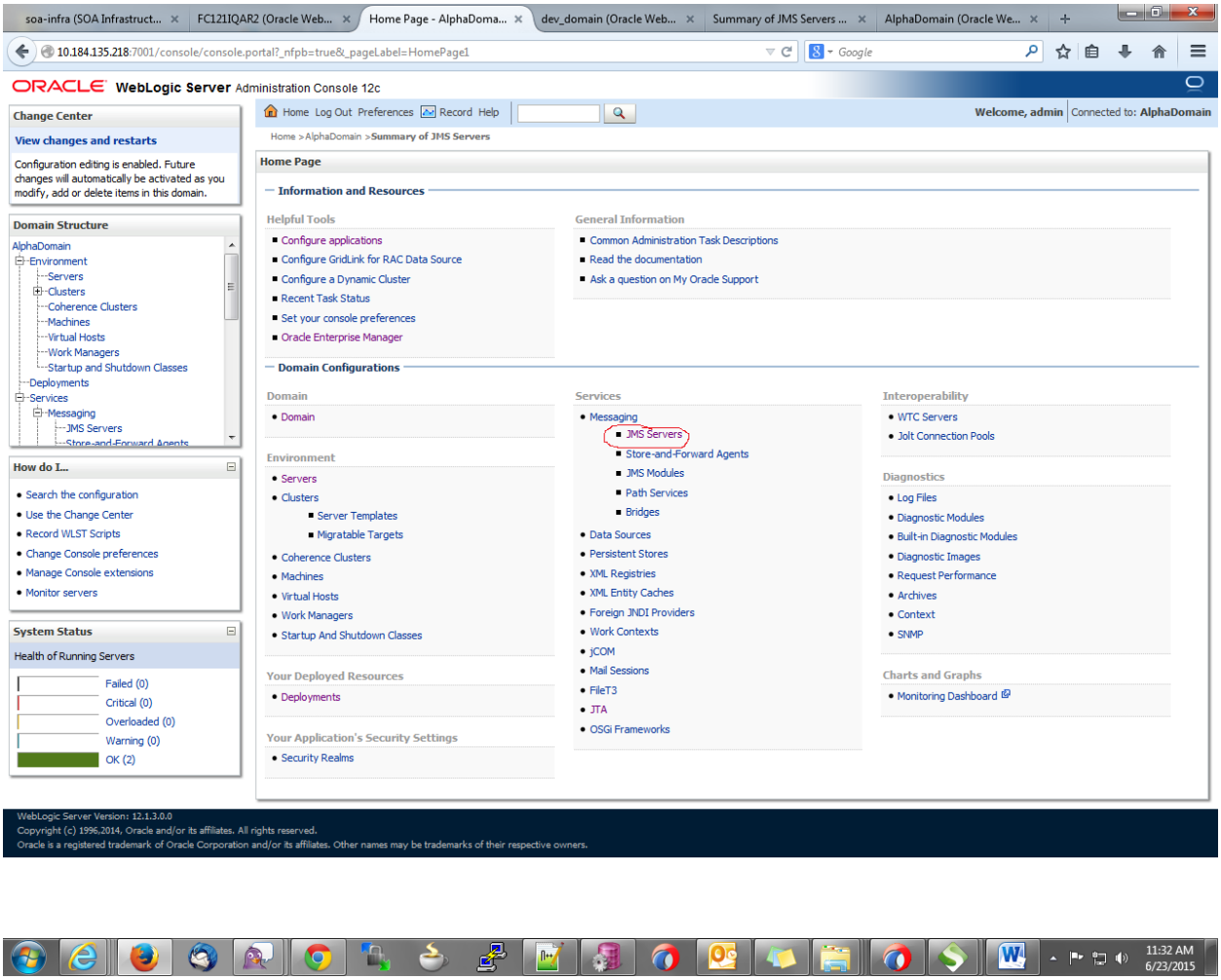
16. Click ‘DbAdapter’ again. The new JNDI name is listed.
17. Click on the hyperlink ‘eis/DB/FCCDEV’.



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

1.2.6 Configuring JMS Adapter

Login in to console → Click on JMS Servers→New


soa-infra (SOA Infrastruct...
FC121IQAR2 (Oracle Web...
Home Page - AlphaDoma...
dev_domain (Oracle Web...
Summary of JMS Servers ...
AlphaDomain (Oracle We...
10.184.135.218:7001/console/console.portal?_nfpb=true&_pageLabel=HomePage1
ORACLE WebLogic Server Administration Console 12c
Change Center
View changes and restarts
Configuration editing is enabled. Future changes will automatically be activated as you modify, add or delete items in this domain.
Domain Structure
AlphaDomain
Environment
Servers
Clusters
Coherence Clusters
Machines
Virtual Hosts
Work Managers
Startup and Shutdown Classes
Deployments
Services
Messaging
JMS Servers
How do I...
Search the configuration
Use the Change Center
Record WLST Scripts
Change Console preferences
Manage Console extensions
Monitor servers
System Status
Health of Running Servers
Failed (0)
Critical (0)
Overloaded (0)
Warning (0)
OK (2)
Home Log Out Preferences Record Help
Welcome, admin Connected to: AlphaDomain
Home >AlphaDomain >Summary of JMS Servers
Home Page
Information and Resources
Helpful Tools
Configure applications
Configure GridLink for RAC Data Source
Configure a Dynamic Cluster
Recent Task Status
Set your console preferences
Oracle Enterprise Manager
General Information
Common Administration Task Descriptions
Read the documentation
Ask a question on My Oracle Support
Domain Configurations
Domain
Domain
Environment
Servers
Clusters
Server Templates
Migratable Targets
Coherence Clusters
Machines
Virtual Hosts
Work Managers
Startup And Shutdown Classes
Your Deployed Resources
Deployments
Your Application's Security Settings
Security Realms
Services
Messaging
JMS Servers
Store-and-Forward Agents
JMS Modules
Path Services
Bridges
Data Sources
Persistent Stores
XML Registries
XML Entity Caches
Foreign JNDI Providers
Work Contexts
JCOM
Mail Sessions
FileT3
JTA
OSGi Frameworks
Interoperability
WTC Servers
Jolt Connection Pools
Diagnostics
Log Files
Diagnostic Modules
Built-in Diagnostic Modules
Diagnostic Images
Request Performance
Archives
Context
SNMP
Charts and Graphs
Monitoring Dashboard
WebLogic Server Version: 12.1.3.0.0
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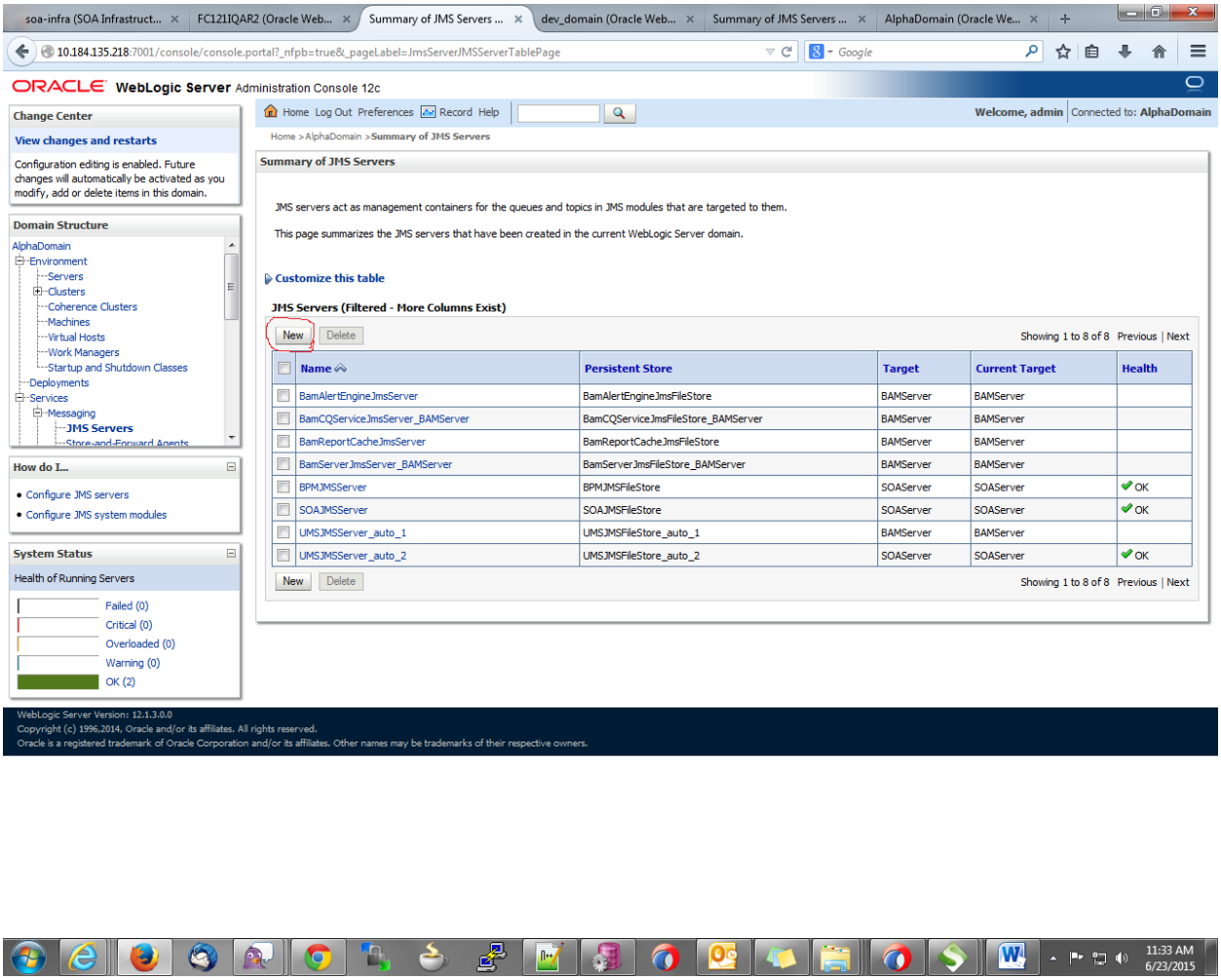
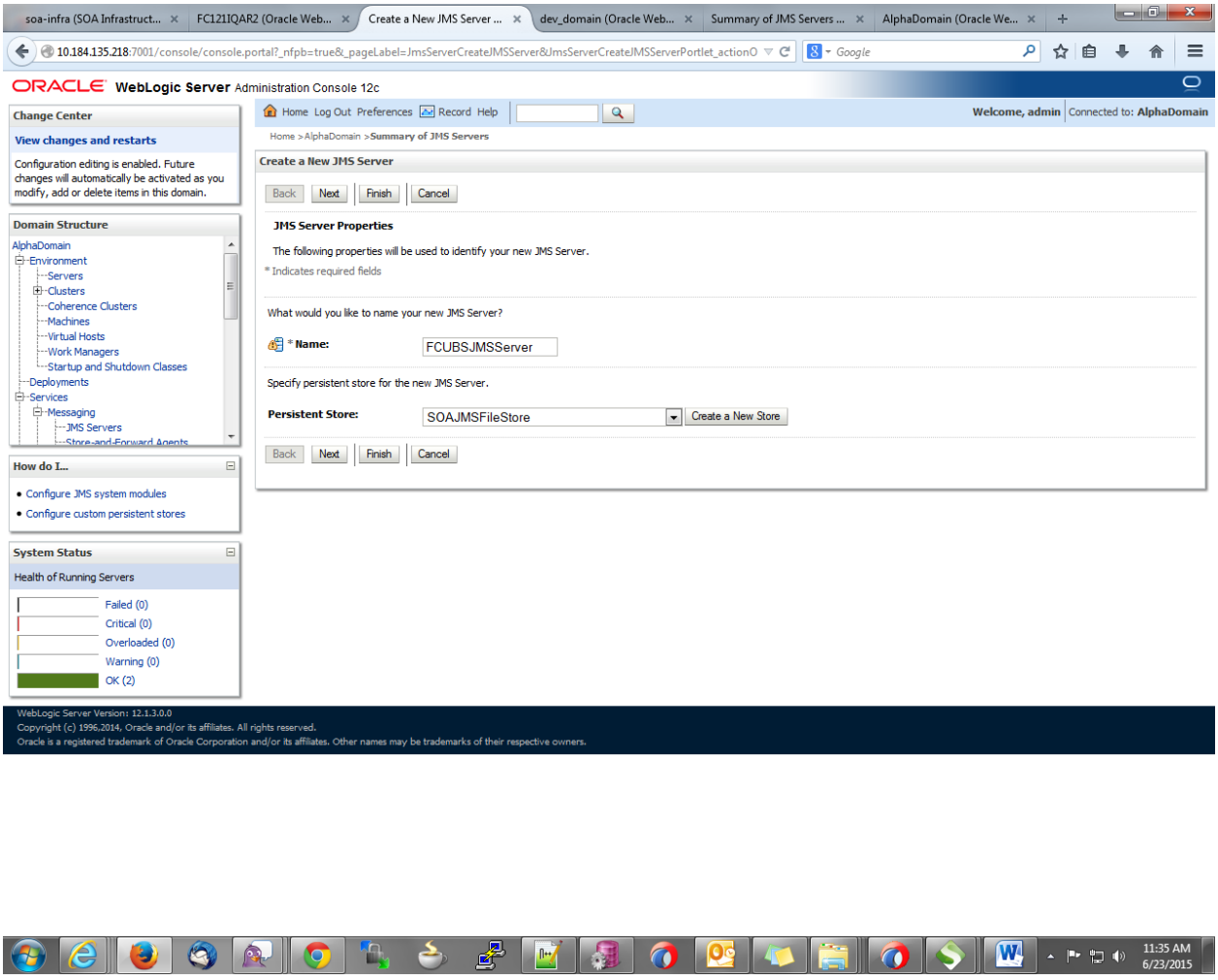
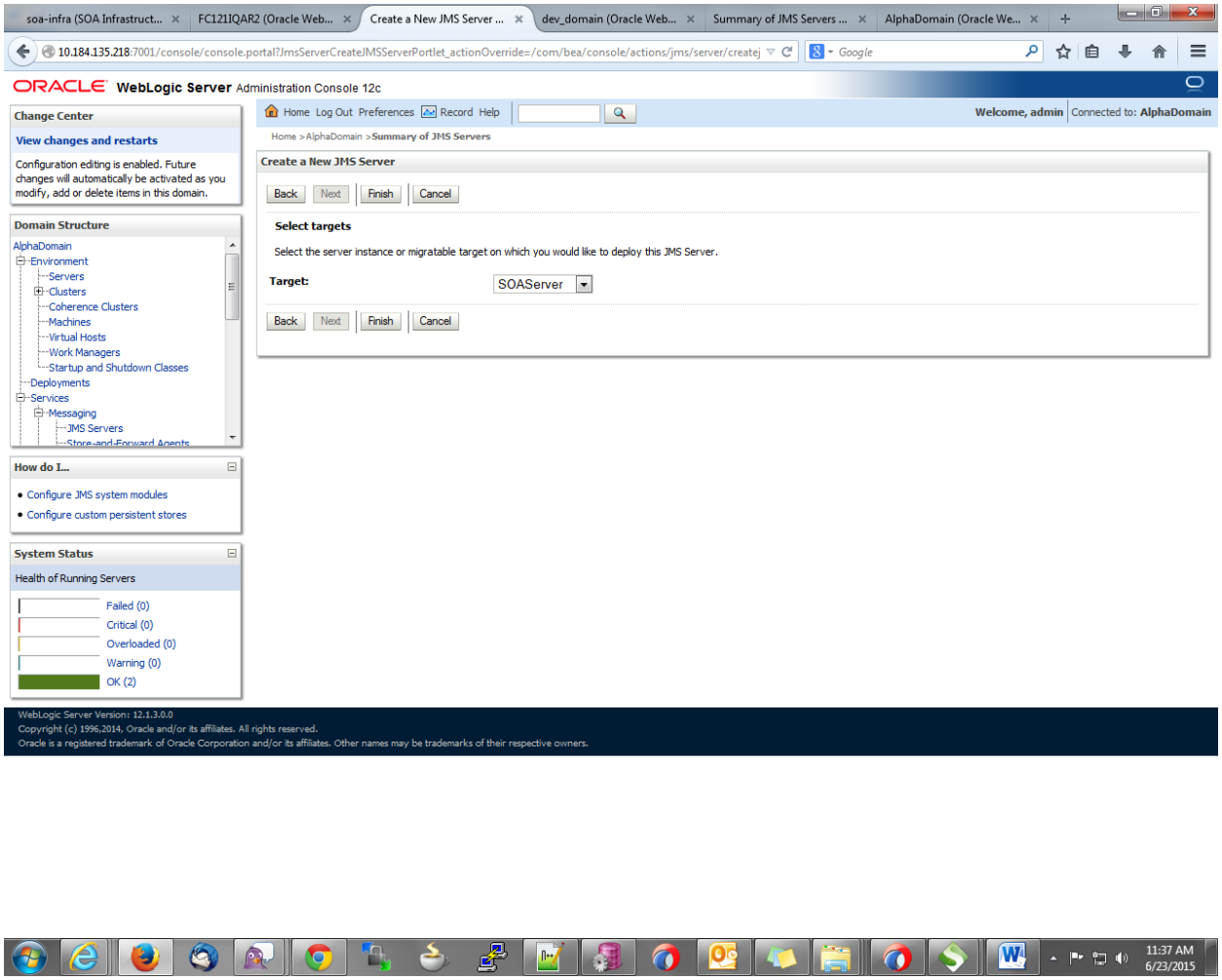
6/23/2015



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



21. Select the target as SOA Server →Finish


soa-infra (SOA Infrastruct...
FC1211QAR2 (Oracle Web...
Create a New JMS Server ...
dev_domain (Oracle Web...
Summary of JMS Servers ...
AlphaDomain (Oracle We...
10.184.135.218:7001/console/console.portal?JmsServerCreateJMSServerPortlet_actionOverride=/com/bea/console/actions/jms/server/createj
ORACLE WebLogic Server Administration Console 12c
Change Center
View changes and restarts
Configuration editing is enabled. Future changes will automatically be activated as you modify, add or delete items in this domain.
Domain Structure
AlphaDomain
Environment
Servers
Clusters
Coherence Clusters
Machines
Virtual Hosts
Work Managers
Startup and Shutdown Classes
Deployments
Services
Messaging
JMS Servers
How do I...
Configure JMS system modules
Configure custom persistent stores
System Status
Health of Running Servers
Failed (0)
Critical (0)
Overloaded (0)
Warning (0)
OK (2)
Home Log Out Preferences Record Help
Welcome, admin
Connected to: AlphaDomain
Home >AlphaDomain >Summary of JMS Servers
Create a New JMS Server
Back
Next
Finish
Cancel
Select targets
Select the server instance or migratable target on which you would like to deploy this JMS Server.
Target:
SOAServer
Back
Next
Finish
Cancel
WebLogic Server Version: 12.1.3.0.0
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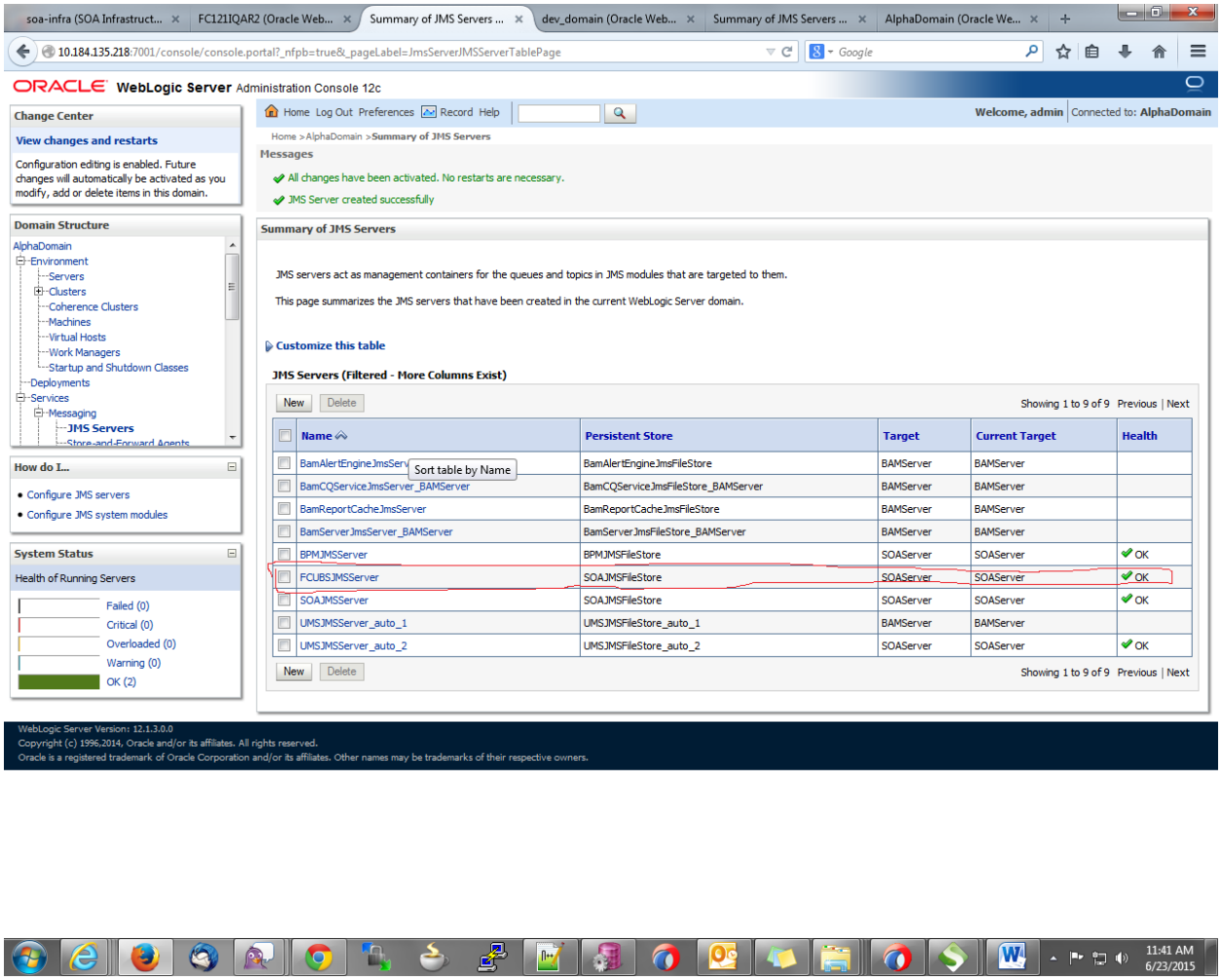
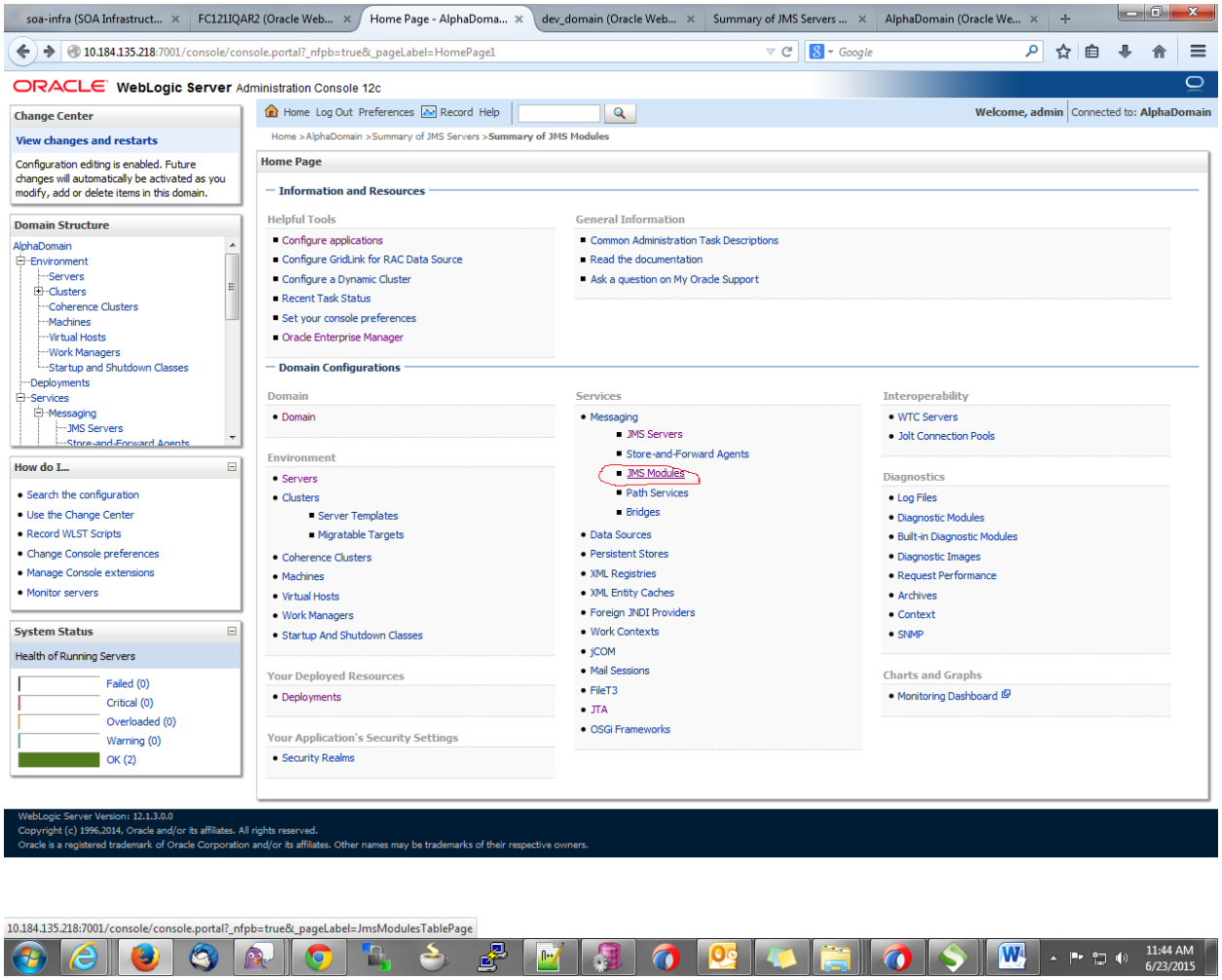
6/23/2015



4. Go back to Console →JMS Modules→New


soa-infra (SOA Infrastruct...
FC1211QAR2 (Oracle Web...
Home Page - AlphaDoma...
dev_domain (Oracle Web...
Summary of JMS Servers ...
AlphaDomain (Oracle We...
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ORACLE WebLogic Server Administration Console 12c
Change Center
View changes and restarts
Configuration editing is enabled. Future changes will automatically be activated as you modify, add or delete items in this domain.
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Change Console preferences
Manage Console extensions
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Critical (0)
Overloaded (0)
Warning (0)
OK (2)
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Home >AlphaDomain >Summary of JMS Servers >Summary of JMS Modules
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Configure GridLink for RAC Data Source
Configure a Dynamic Cluster
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Persistent Stores
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XML Entity Caches
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jCOM
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WTC Servers
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Diagnostics
Log Files
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Diagnostic Images
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Context
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Charts and Graphs
Monitoring Dashboard
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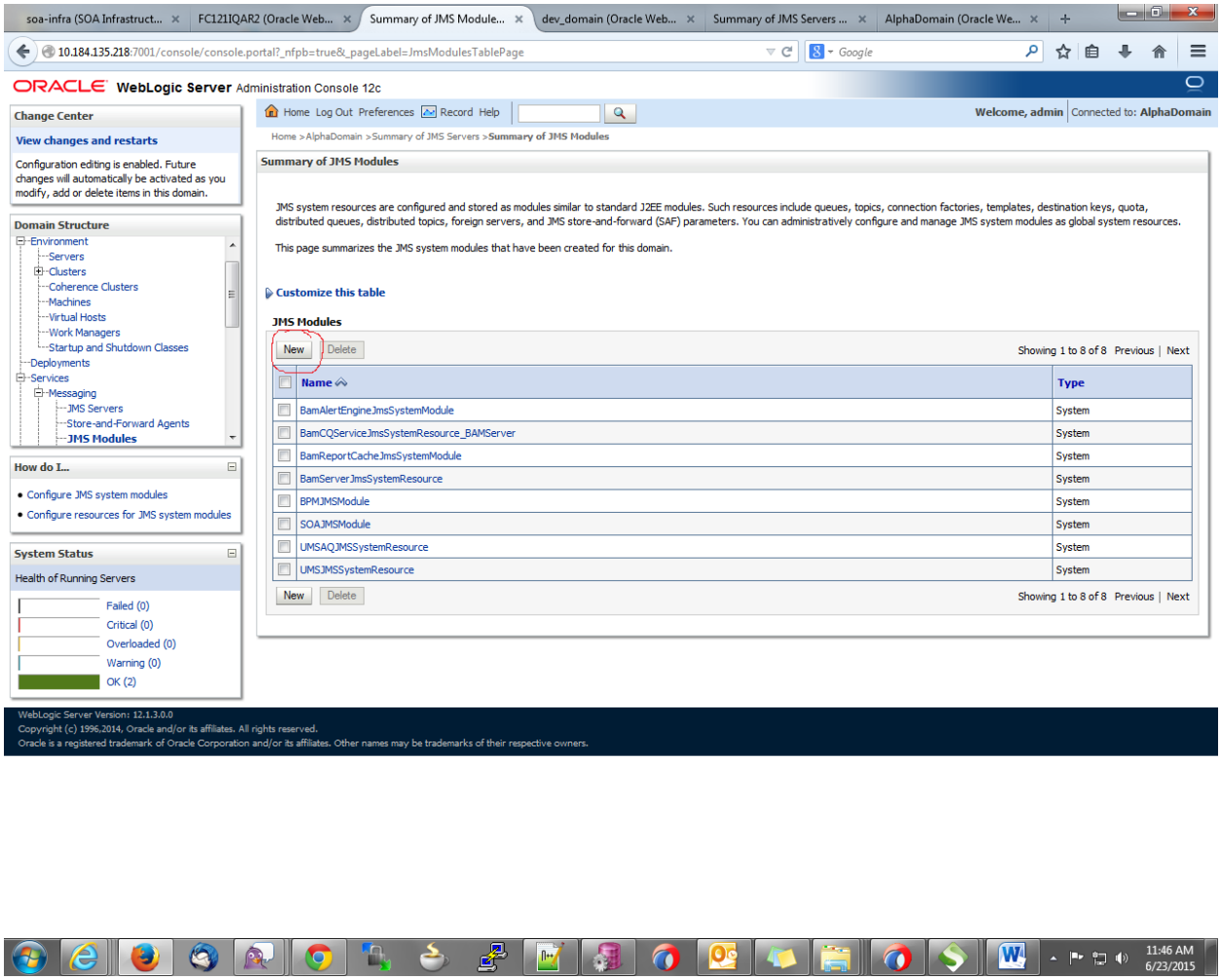
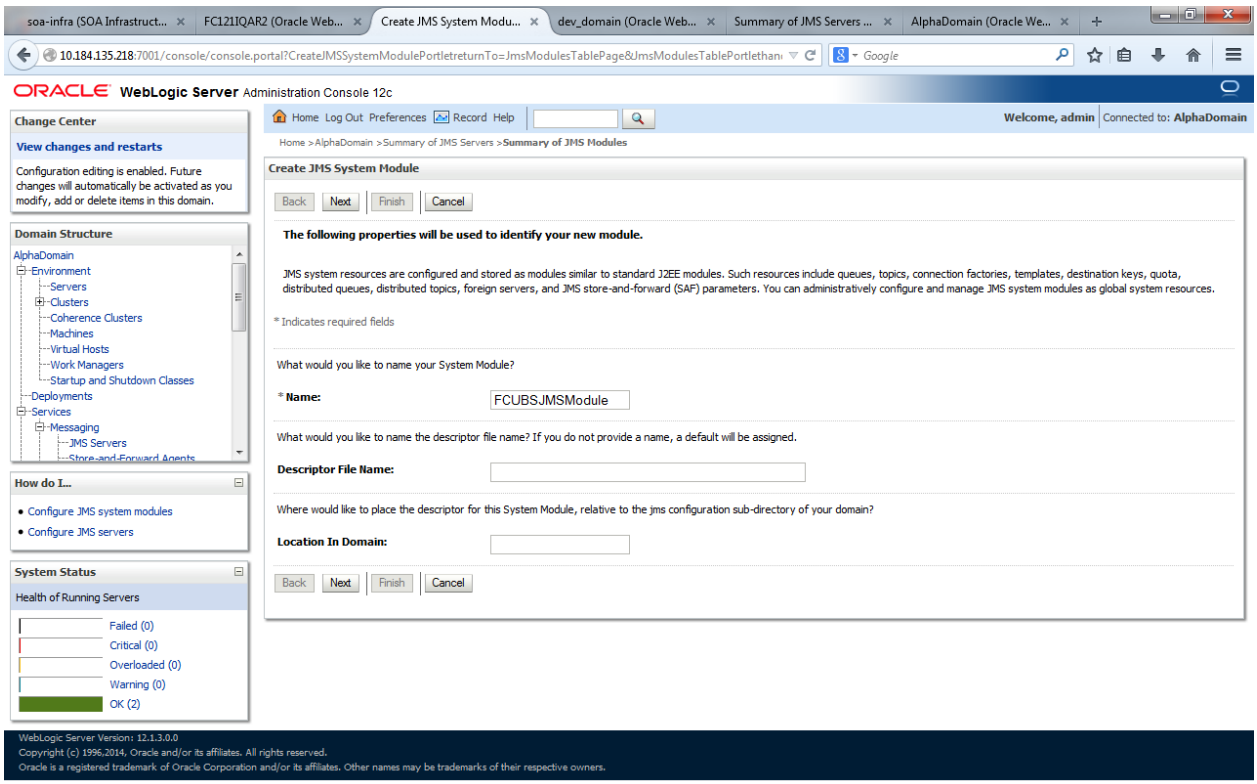


5. Create a JMS Module with the below Name→Next→Select the target as SOA Server→Finish


soa-infra (SOA Infrastruct...
FC121IQAR2 (Oracle Web...
Create JMS System Modu...
dev_domain (Oracle Web...
Summary of JMS Servers ...
AlphaDomain (Oracle We...
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ORACLE WebLogic Server Administration Console 12c
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Configuration editing is enabled. Future changes will automatically be activated as you modify, add or delete items in this domain.
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Home Log Out Preferences Record Help
Welcome, admin Connected to: AlphaDomain
Home >AlphaDomain >Summary of JMS Servers >Summary of JMS Modules
Create JMS System Module
Back Next Finish Cancel
The following properties will be used to identify your new module.
JMS system resources are configured and stored as modules similar to standard J2EE modules. Such resources include queues, topics, connection factories, templates, destination keys, quota, distributed queues, distributed topics, foreign servers, and JMS store-and-forward (SAF) parameters. You can administratively configure and manage JMS system modules as global system resources.
* Indicates required fields
What would you like to name your System Module?
* Name:
FCUBSJMSModule
What would you like to name the descriptor file name? If you do not provide a name, a default will be assigned.
Descriptor File Name:
Where would like to place the descriptor for this System Module, relative to the jms configuration sub-directory of your domain?
Location In Domain:
Back Next Finish Cancel
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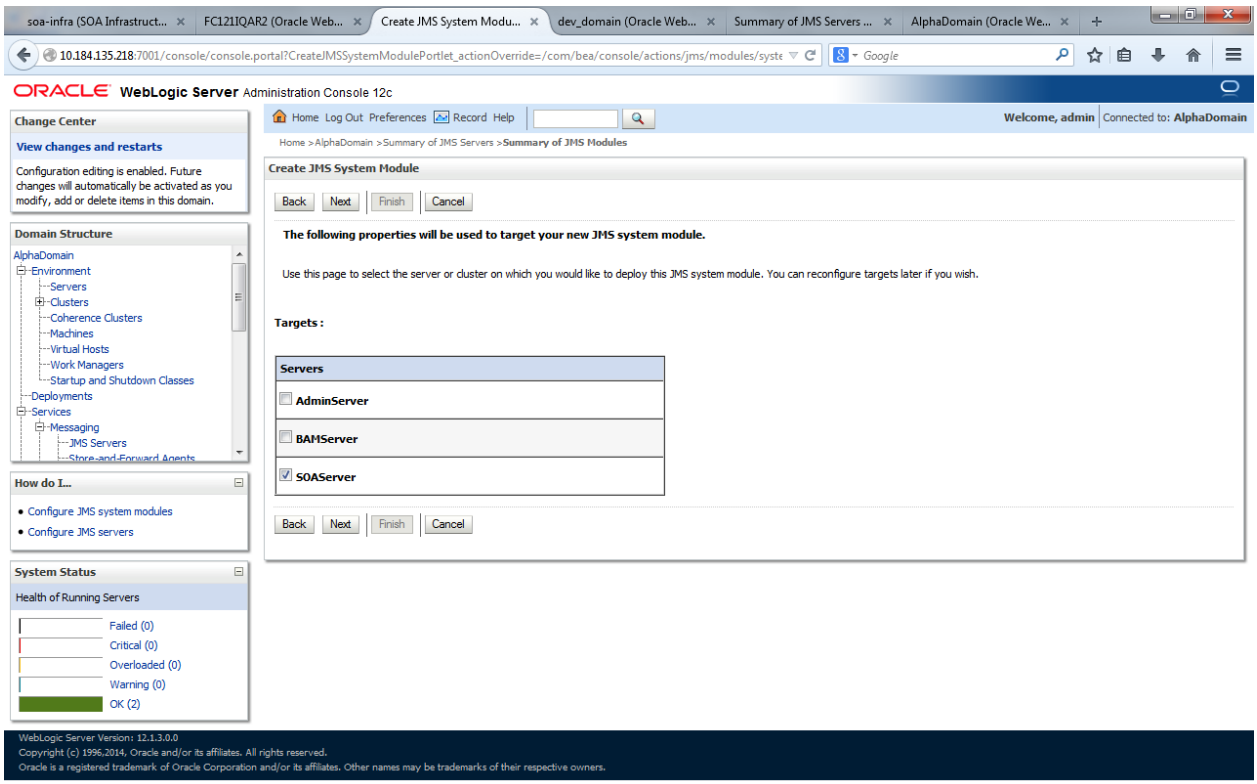
soa-infra (SOA Infrastruct...
FC121IQAR2 (Oracle Web...
Create JMS System Modu...
dev_domain (Oracle Web...
Summary of JMS Servers ...
AlphaDomain (Oracle We...
10.184.135.218:7001/console/console.portal?CreateJMSSystemModulePortlet_actionOverride=/com/bea/console/actions/jms/modules/syste
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Overloaded (0)
Warning (0)
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Home Log Out Preferences Record Help
Welcome, admin Connected to: AlphaDomain
Home >AlphaDomain >Summary of JMS Servers >Summary of JMS Modules
Create JMS System Module
Back Next Finish Cancel
The following properties will be used to target your new JMS system module.
Use this page to select the server or cluster on which you would like to deploy this JMS system module. You can reconfigure targets later if you wish.
Targets :
Servers
AdminServer
BAMServer
SOAServer
Back Next Finish Cancel
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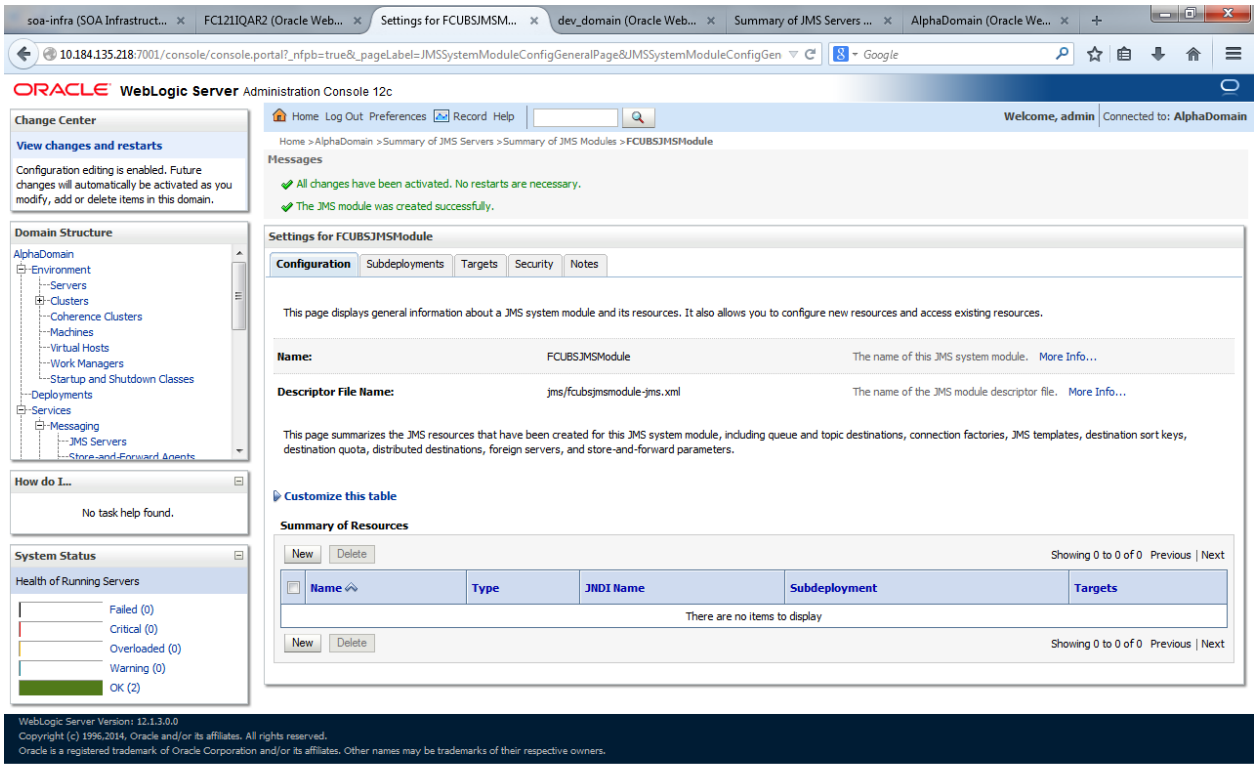
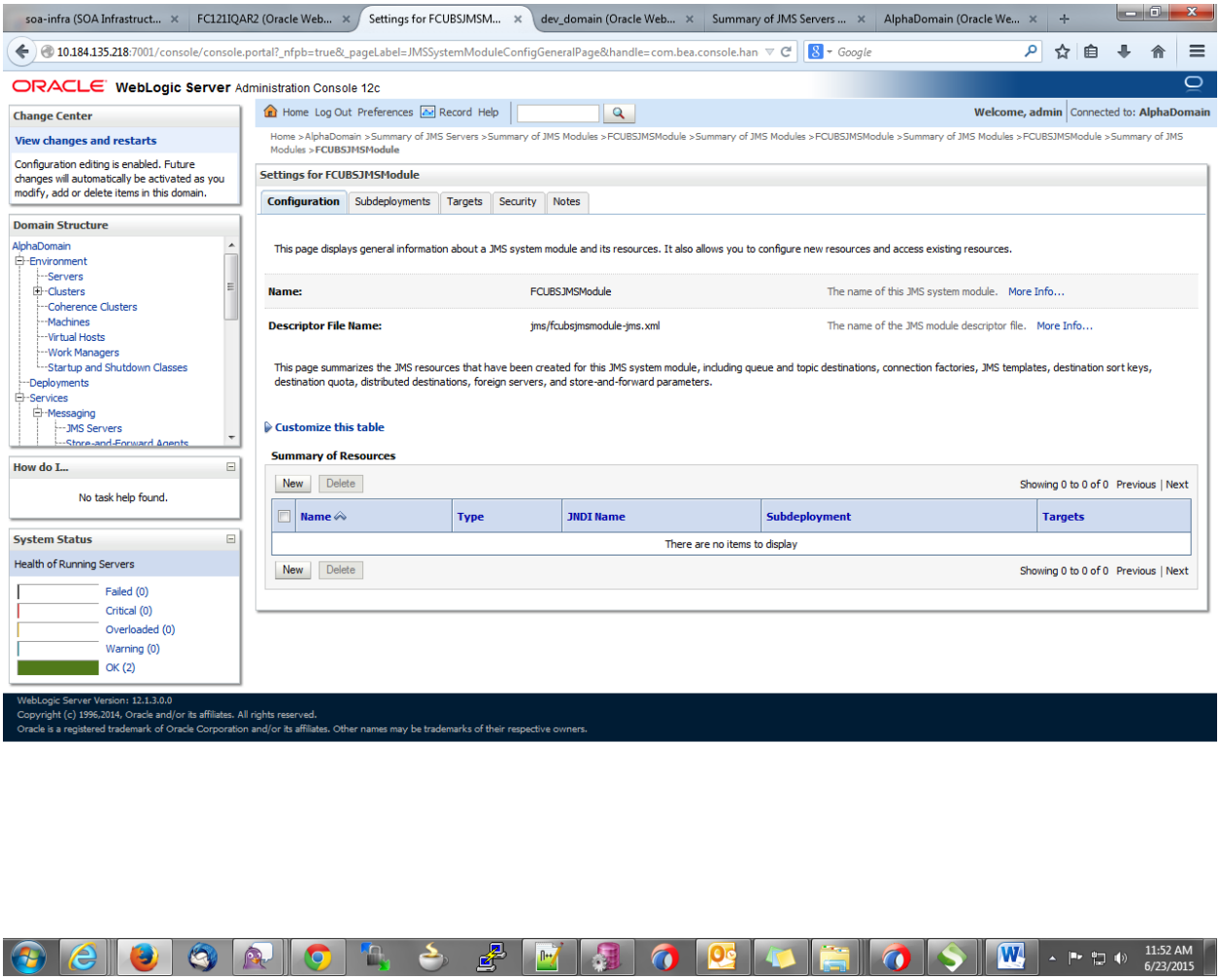
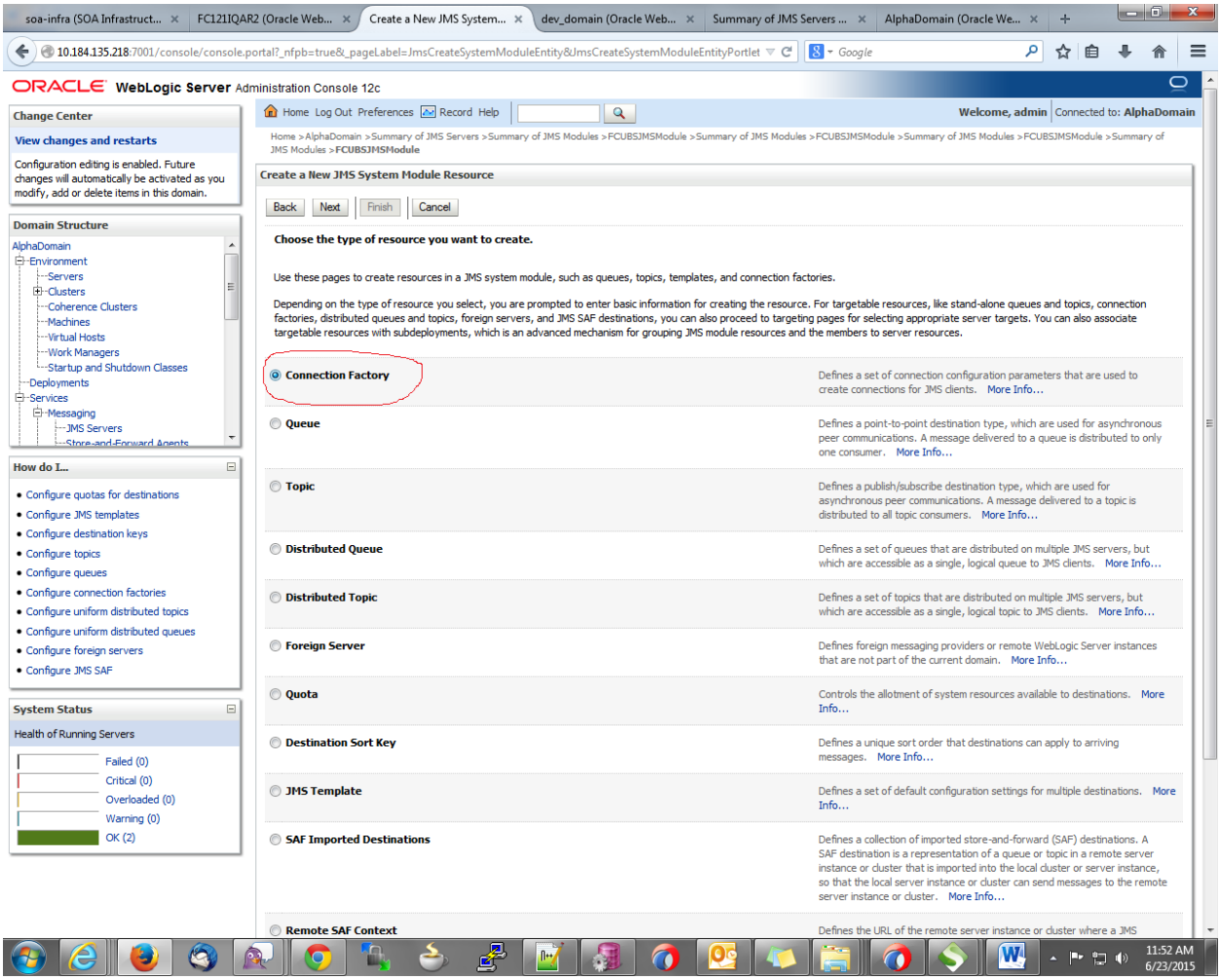


1. Go back to JMS Modules→FCUBSJMSModule→New



2. Click on Connection Factory→ next→Create the connection Factory with the below Names→Next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ORACLE WebLogic Server Administration Console 12c
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Create a New JMS System Module Resource
Back Next Finish Cancel
Choose the type of resource you want to create.
Use these pages to create resources in a JMS system module, such as queues, topics, templates, and connection factories.
Depending on the type of resource you select, you are prompted to enter basic information for creating the resource. For targetable resources, like stand-alone queues and topics, connection factories, distributed queues and topics, foreign servers, and JMS SAF destinations, you can also proceed to targeting pages for selecting appropriate server targets. You can also associate targetable resources with subdeployments, which is an advanced mechanism for grouping JMS module resources and the members to server resources.
Connection Factory
Defines a set of connection configuration parameters that are used to create connections for JMS clients. More Info...
Queue
Defines a point-to-point destination type, which are used for asynchronous peer communications. A message delivered to a queue is distributed to only one consumer. More Info...
Topic
Defines a publish/subscribe destination type, which are used for asynchronous peer communications. A message delivered to a topic is distributed to all topic consumers. More Info...
Distributed Queue
Defines a set of queues that are distributed on multiple JMS servers, but which are accessible as a single, logical queue to JMS clients. More Info...
Distributed Topic
Defines a set of topics that are distributed on multiple JMS servers, but which are accessible as a single, logical topic to JMS clients. More Info...
Foreign Server
Defines foreign messaging providers or remote WebLogic Server instances that are not part of the current domain. More Info...
Quota
Controls the allotment of system resources available to destinations. More Info...
Destination Sort Key
Defines a unique sort order that destinations can apply to arriving messages. More Info...
JMS Template
Defines a set of default configuration settings for multiple destinations. More Info...
SAF Imported Destinations
Defines a collection of imported store-and-forward (SAF) destinations. A SAF destination is a representation of a queue or topic in a remote server instance or cluster that is imported into the local cluster or server instance, so that the local server instance or cluster can send messages to the remote server instance or cluster. More Info...
Remote SAF Context
Defines the URL of the remote server instance or cluster where a JMS
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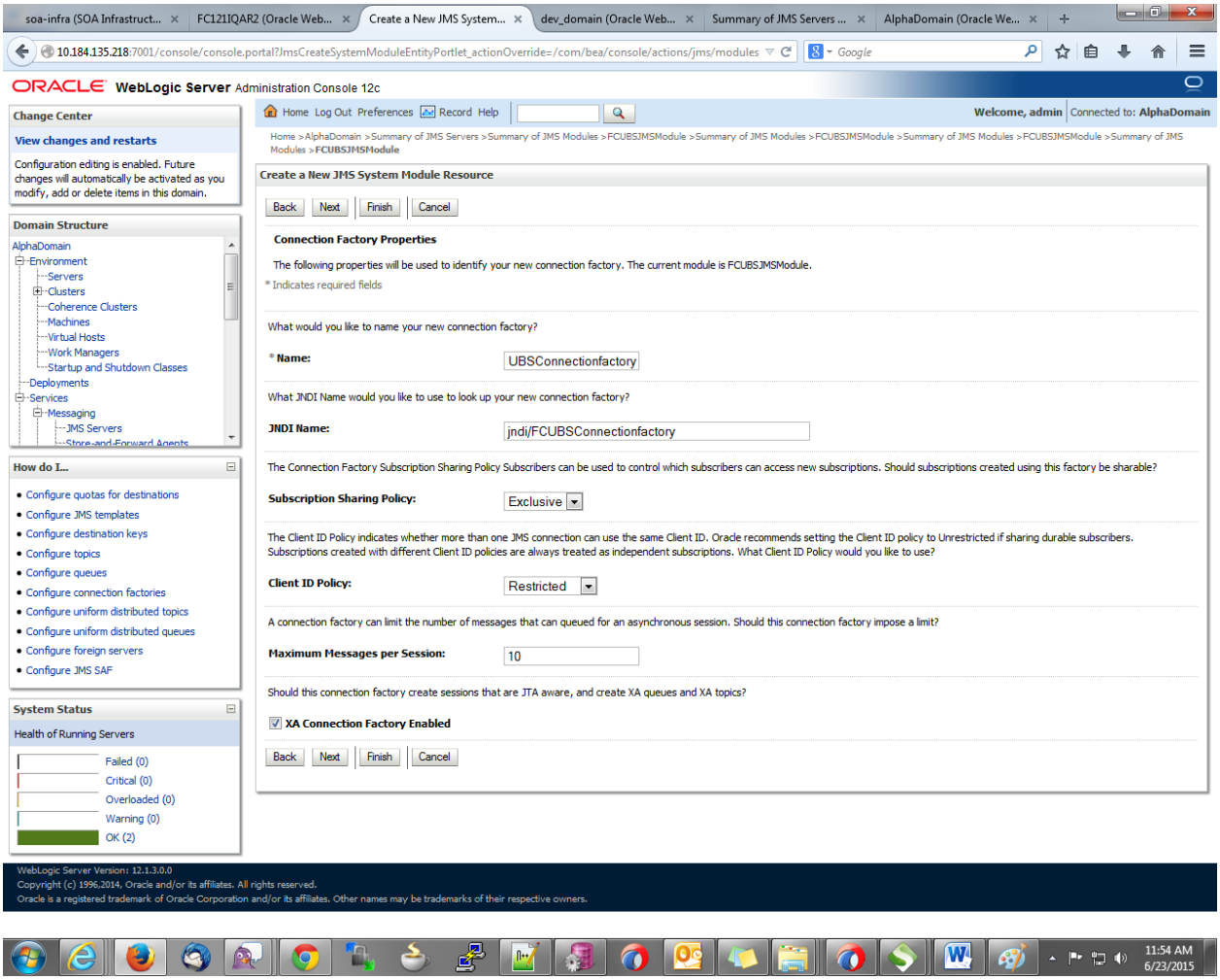
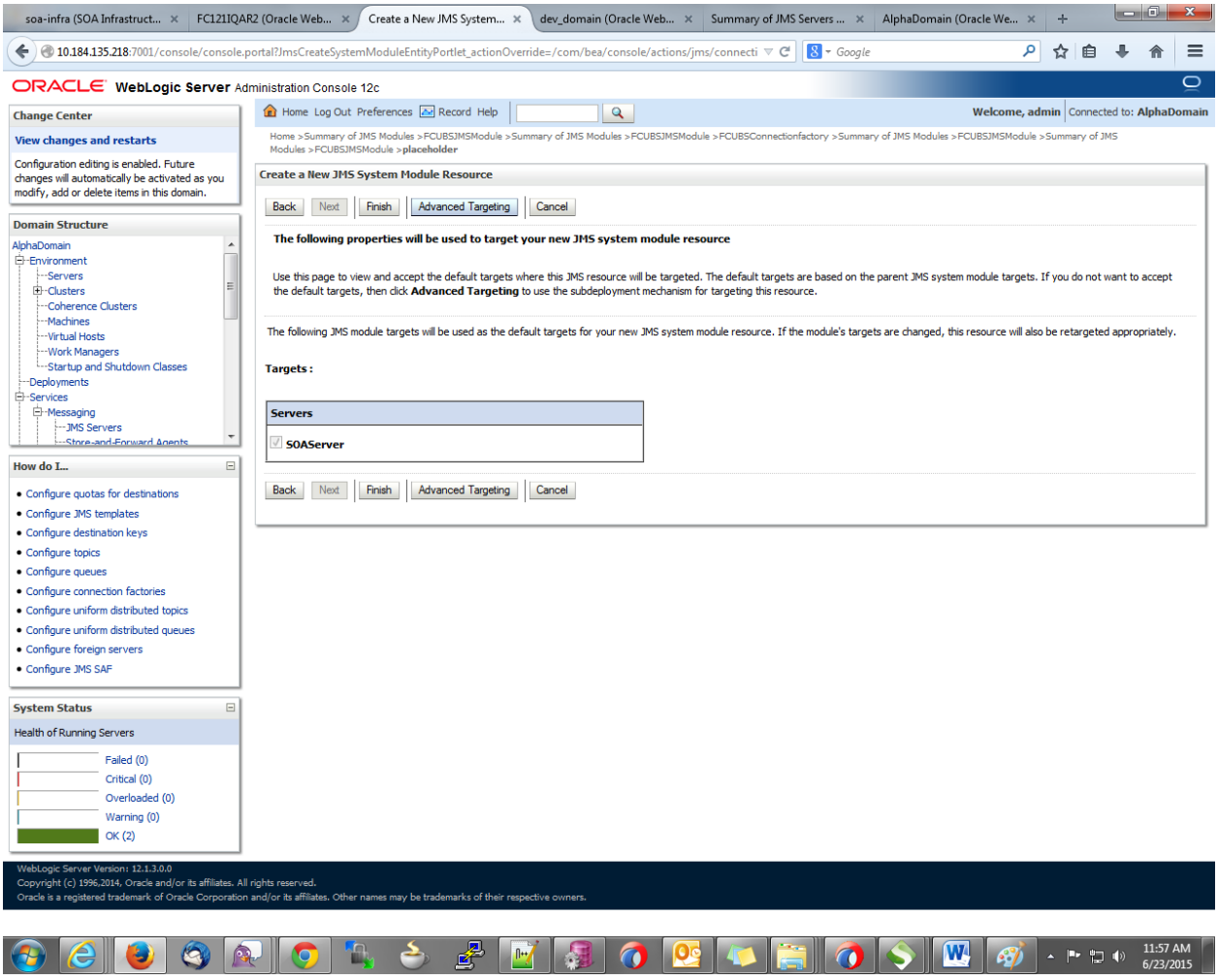


3. Select Advanced targeting→create New Sub Deployment with the below Name→Select the target as JMS server which we have created on top→Finish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Create a New JMS System...
dev_domain (Oracle Web...
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AlphaDomain (Oracle We...
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ORACLE WebLogic Server Administration Console 12c
Change Center
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Create a New JMS System Module Resource
Back
Next
Finish
Advanced Targeting
Cancel
The following properties will be used to target your new JMS system module resource
Use this page to view and accept the default targets where this JMS resource will be targeted. The default targets are based on the parent JMS system module targets. If you do not want to accept the default targets, then click Advanced Targeting to use the subdeployment mechanism for targeting this resource.
The following JMS module targets will be used as the default targets for your new JMS system module resource. If the module's targets are changed, this resource will also be retargeted appropriately.
Targets :
Servers
SOAServer
Back
Next
Finish
Advanced Targeting
Cancel
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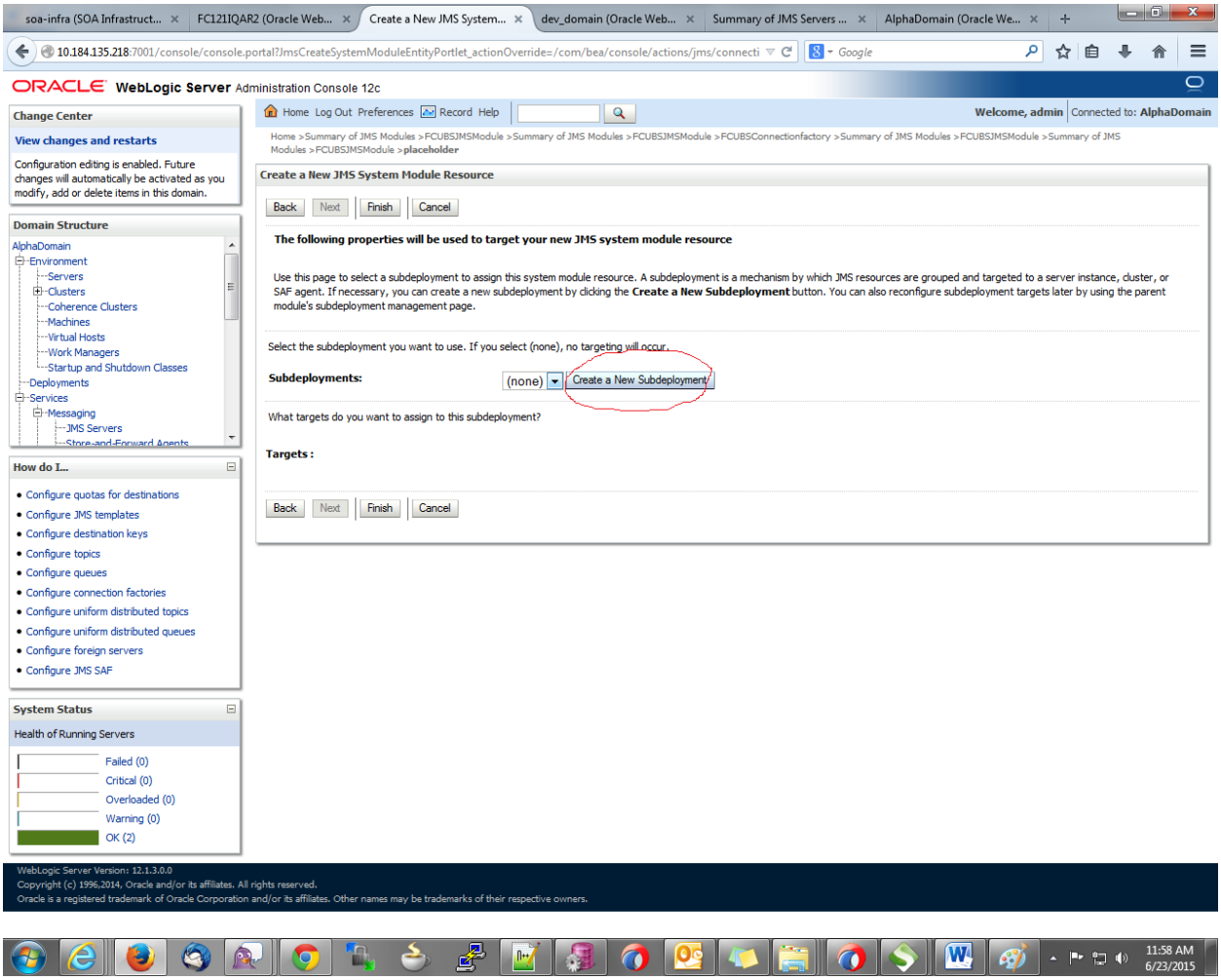
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Create a New JMS System...
dev_domain (Oracle Web...
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AlphaDomain (Oracle We...
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Configuration editing is enabled. Future changes will automatically be activated as you modify, add or delete items in this domain.
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Warning (0)
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Create a New JMS System Module Resource
Back Next Finish Cancel
The following properties will be used to target your new JMS system module resource
Use this page to select a subdeployment to assign this system module resource. A subdeployment is a mechanism by which JMS resources are grouped and targeted to a server instance, cluster, or SAF agent. If necessary, you can create a new subdeployment by clicking the Create a New Subdeployment button. You can also reconfigure subdeployment targets later by using the parent module's subdeployment management page.
Select the subdeployment you want to use. If you select (none), no targeting will occur.
Subdeployments:
(none)
Create a New Subdeployment
What targets do you want to assign to this subdeployment?
Targets :
Back Next Finish Cancel
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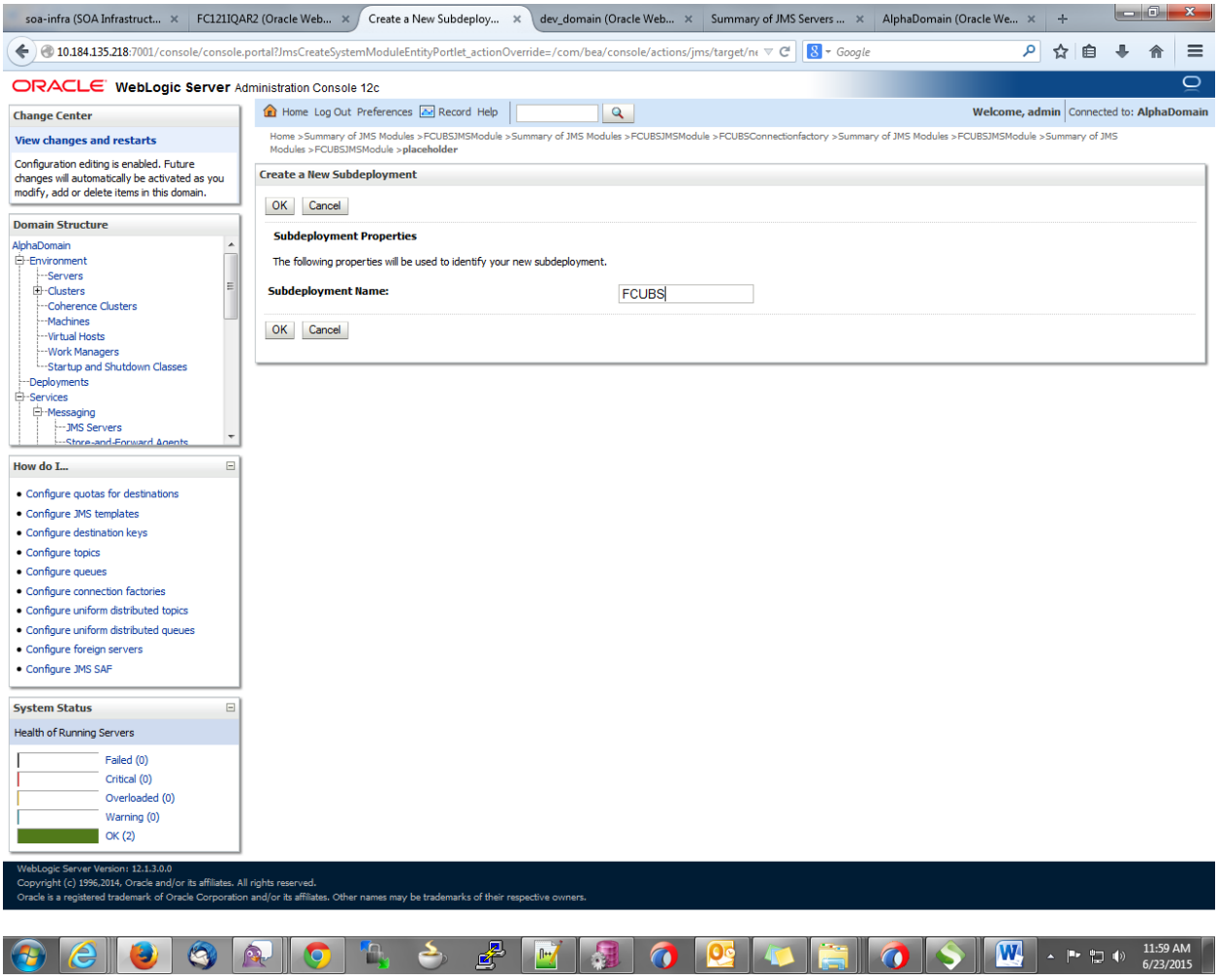
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Create a New Subdeploy...
dev_domain (Oracle Web...
Summary of JMS Servers ...
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ORACLE WebLogic Server Administration Console 12c
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Overloaded (0)
Warning (0)
OK (2)
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Connected to: AlphaDomain
Home >Summary of JMS Modules >FCUBSJMSModule >Summary of JMS Modules >FCUBSJMSModule >FCUBSConnectionfactory >Summary of JMS Modules >FCUBSJMSModule >Summary of JMS Modules >FCUBSJMSModule >placeholder
Create a New Subdeployment
OK
Cancel
Subdeployment Properties
The following properties will be used to identify your new subdeployment.
Subdeployment Name:
FCUBS
OK
Cancel
WebLogic Server Version: 12.1.3.0.0
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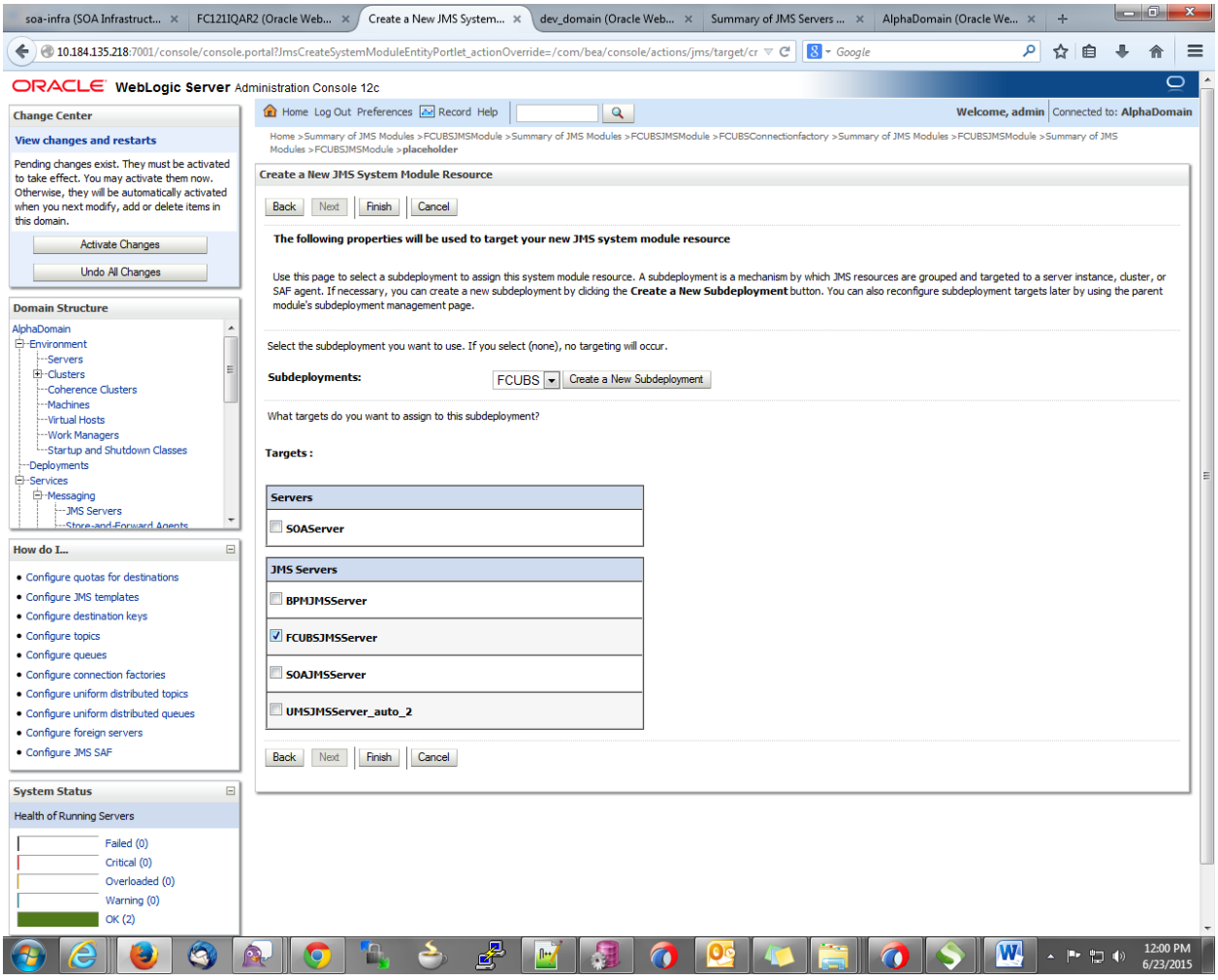
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Create a New JMS System...
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ORACLE WebLogic Server Administration Console 12c
Change Center
View changes and restarts
Pending changes exist. They must be activated to take effect. You may activate them now. Otherwise, they will be automatically activated when you next modify, add or delete items in this domain.
Activate Changes
Undo All Changes
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Create a New JMS System Module Resource
Back Next Finish Cancel
The following properties will be used to target your new JMS system module resource
Use this page to select a subdeployment to assign this system module resource. A subdeployment is a mechanism by which JMS resources are grouped and targeted to a server instance, cluster, or SAF agent. If necessary, you can create a new subdeployment by clicking the Create a New Subdeployment button. You can also reconfigure subdeployment targets later by using the parent module's subdeployment management page.
Select the subdeployment you want to use. If you select (none), no targeting will occur.
Subdeployments:
FCUBS
Create a New Subdeployment
What targets do you want to assign to this subdeployment?
Targets :
Servers
SOAServer
JMS Servers
BPMJMSServer
FCUBSJMSServer
SOAJMSServer
UMSJMSServer_auto_2
Back Next Finish Cancel
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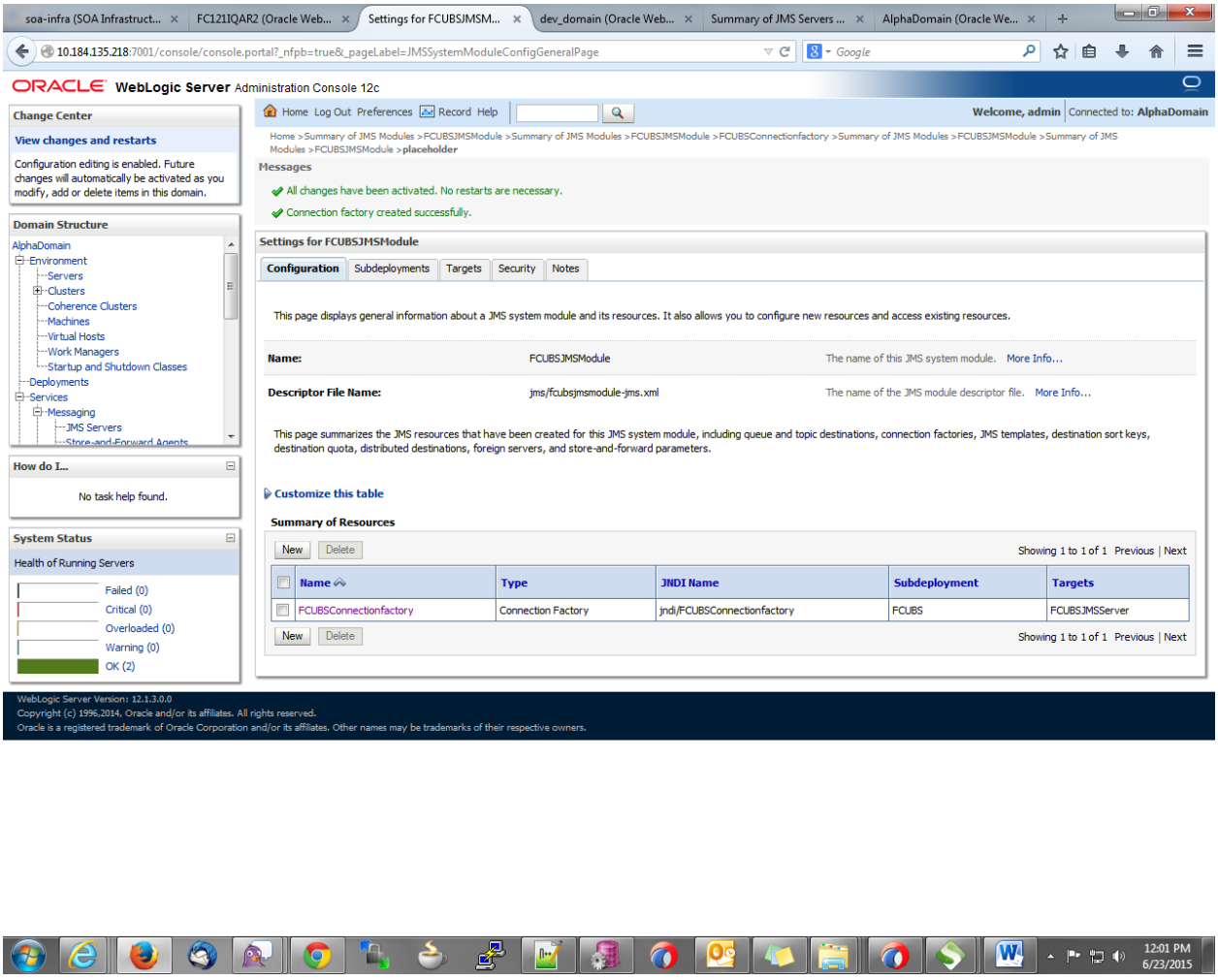
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Settings for FCUBSJMSM...
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Home >Summary of JMS Modules >FCUBSJMSModule >Summary of JMS Modules >FCUBSJMSModule >FCUBSConnectionfactory >Summary of JMS Modules >FCUBSJMSModule >Summary of JMS Modules >FCUBSJMSModule >placeholder
Messages
All changes have been activated. No restarts are necessary.
Connection factory created successfully.
Settings for FCUBSJMSModule
Configuration
Subdeployments
Targets
Security
Notes
This page displays general information about a JMS system module and its resources. It also allows you to configure new resources and access existing resources.
Name:
FCUBSJMSModule
The name of this JMS system module. More Info...
Descriptor File Name:
jms/fcubsjmsmodule-jms.xml
The name of the JMS module descriptor file. More Info...
This page summarizes the JMS resources that have been created for this JMS system module, including queue and topic destinations, connection factories, JMS templates, destination sort keys, destination quota, distributed destinations, foreign servers, and store-and-forward parameters.
Customize this table
Summary of Resources
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Showing 1 to 1 of 1 Previous | Next
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JNDI Name
Subdeployment
Targets
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Connection Factory
jndi/FCUBSConnectionfactory
FCUBS
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New
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Showing 1 to 1 of 1 Previous | Next
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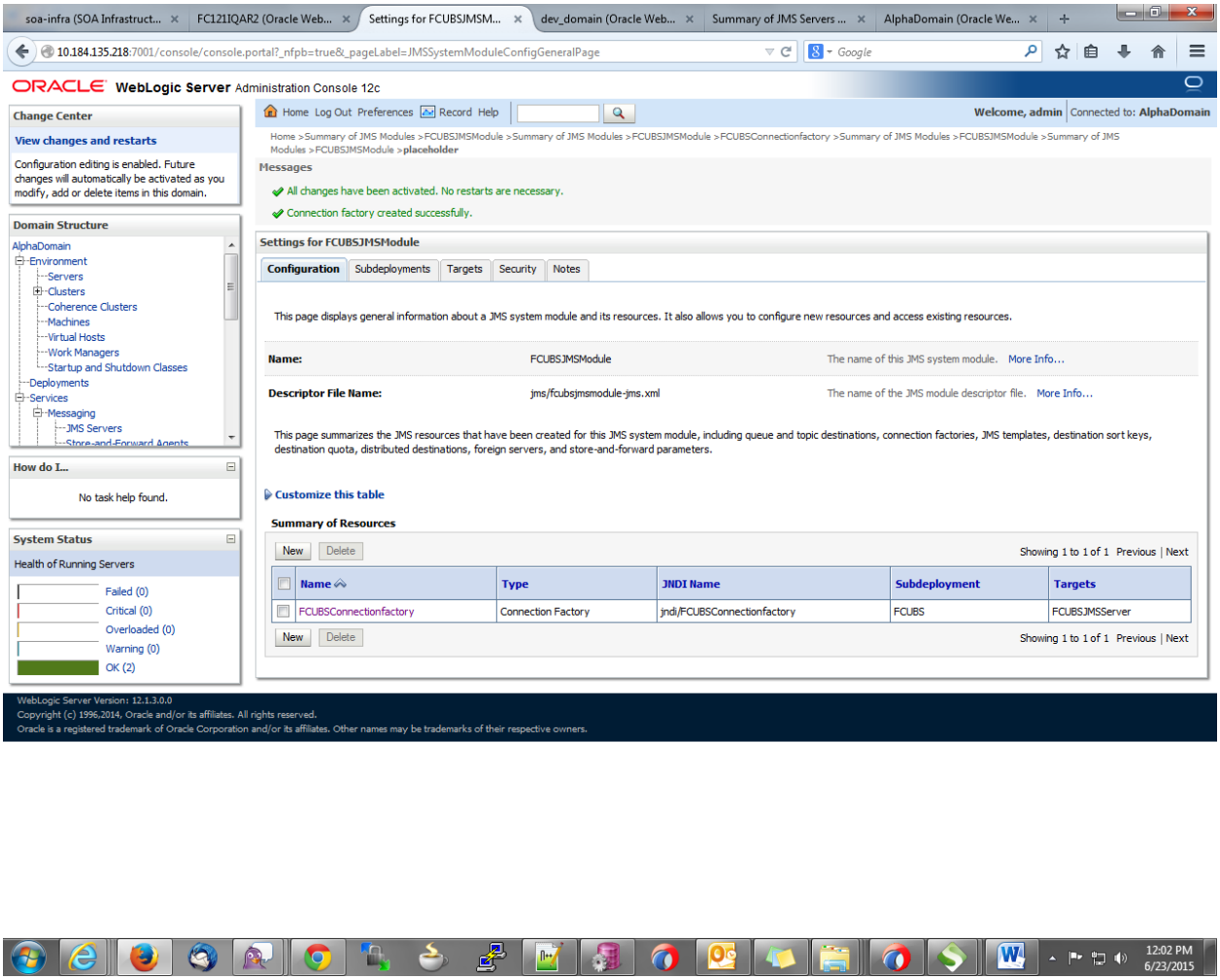
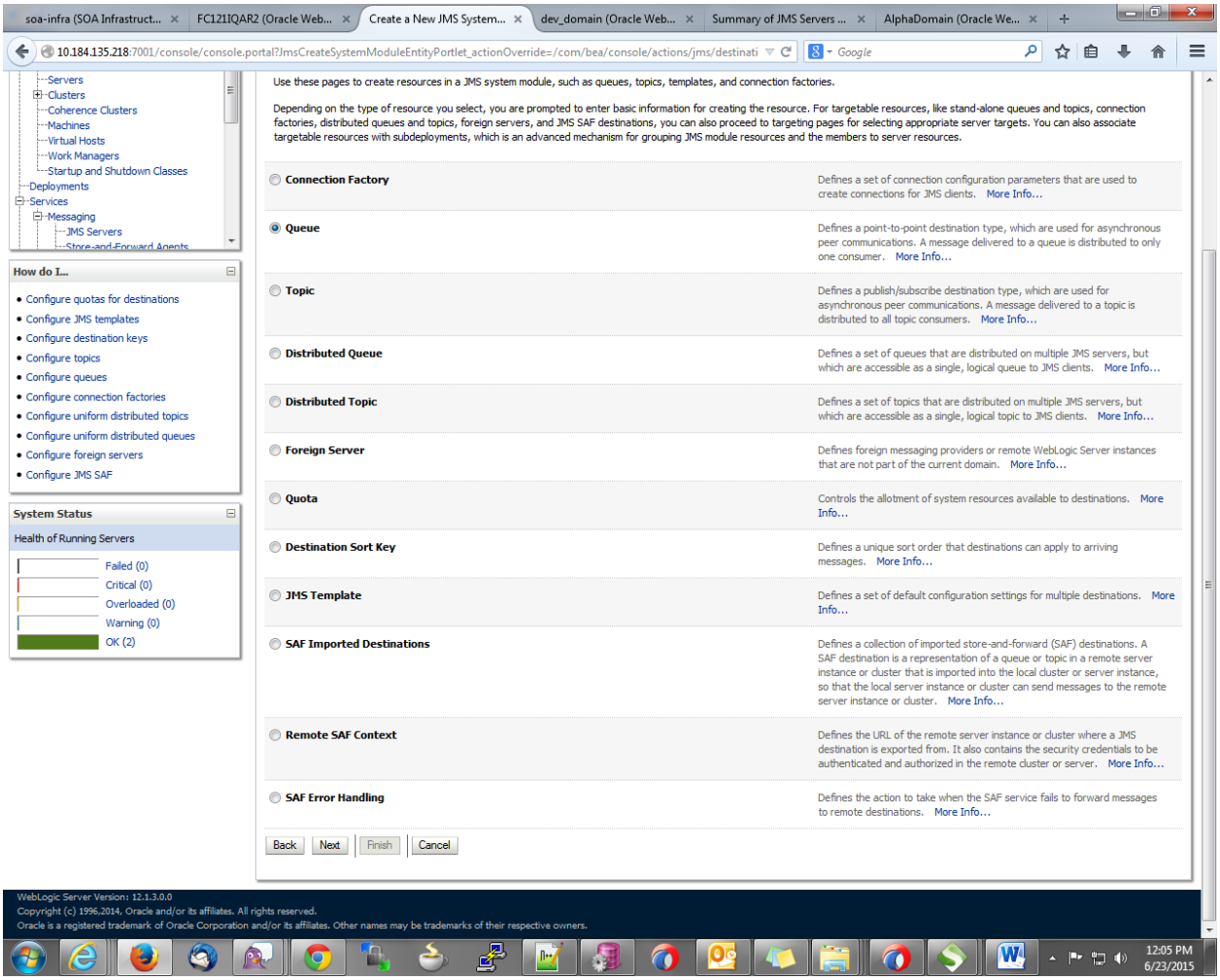
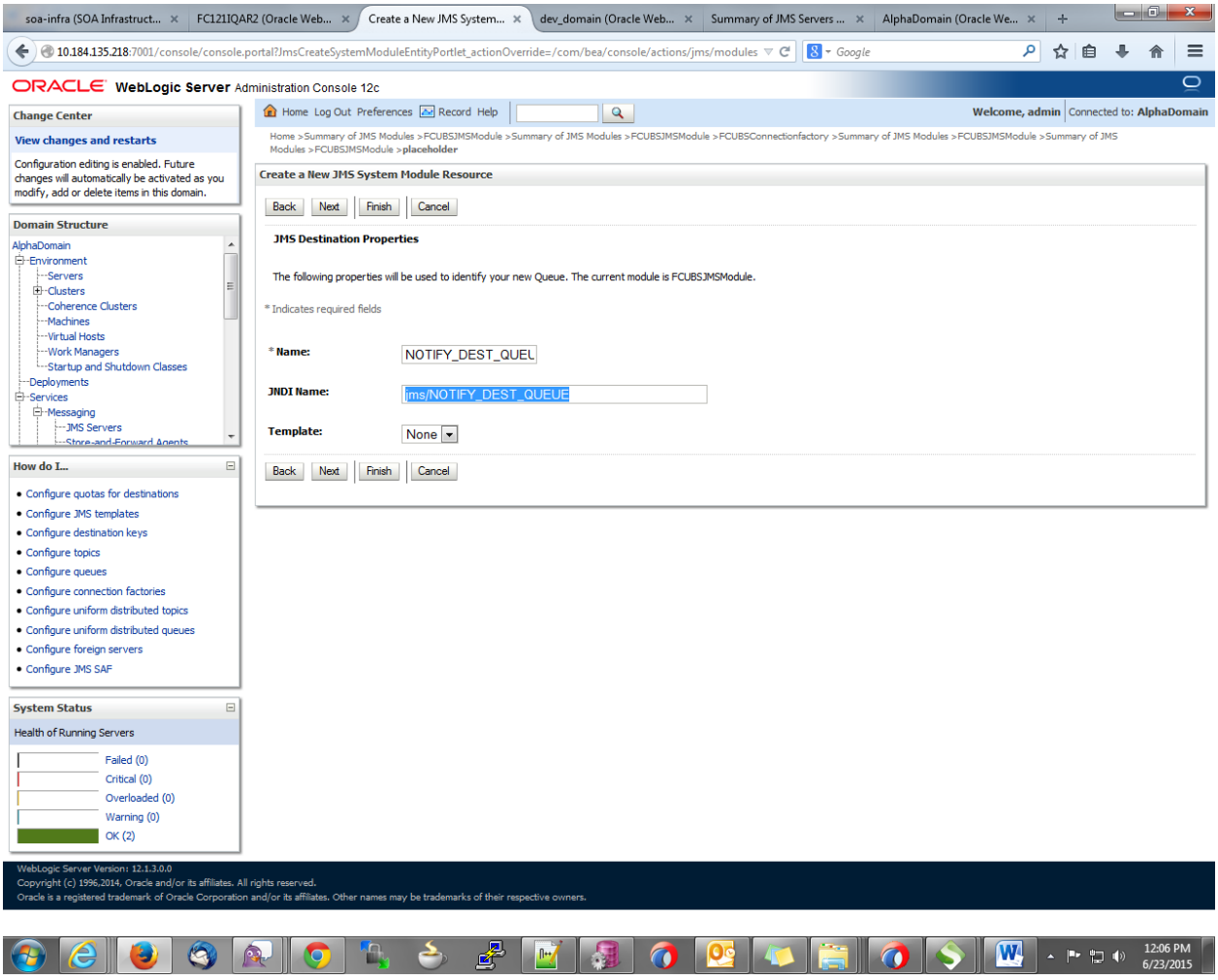


4. Go back to console →Click on JMS Modules →New → check on Queue→next



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


soa-infra (SOA Infrastruct...
FC121IQAR2 (Oracle Web...
Create a New JMS System...
dev_domain (Oracle Web...
Summary of JMS Servers ...
AlphaDomain (Oracle We...
10.184.135.218:7001/console/console.portal?JmsCreateSystemModuleEntityPortlet_actionOverride=/com/bea/console/actions/jms/modules
ORACLE WebLogic Server Administration Console 12c
Change Center
View changes and restarts
Configuration editing is enabled. Future changes will automatically be activated as you modify, add or delete items in this domain.
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Configure JMS templates
Configure destination keys
Configure topics
Configure queues
Configure connection factories
Configure uniform distributed topics
Configure uniform distributed queues
Configure foreign servers
Configure JMS SAF
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Health of Running Servers
Failed (0)
Critical (0)
Overloaded (0)
Warning (0)
OK (2)
Home Log Out Preferences Record Help
Welcome, admin
Connected to: AlphaDomain
Home >Summary of JMS Modules >FCUBSJMSModule >Summary of JMS Modules >FCUBSJMSModule >FCUBSConnectionfactory >Summary of JMS Modules >FCUBSJMSModule >Summary of JMS Modules >FCUBSJMSModule >placeholder
Create a New JMS System Module Resource
Back
Next
Finish
Cancel
JMS Destination Properties
The following properties will be used to identify your new Queue. The current module is FCUBSJMSModule.
* Indicates required fields
* Name:
NOTIFY_DEST_QUEU
JNDI Name:
jms/NOTIFY_DEST_QUEUE
Template:
None
Back
Next
Finish
Cancel
WebLogic Server Version: 12.1.3.0.0
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12:06 PM
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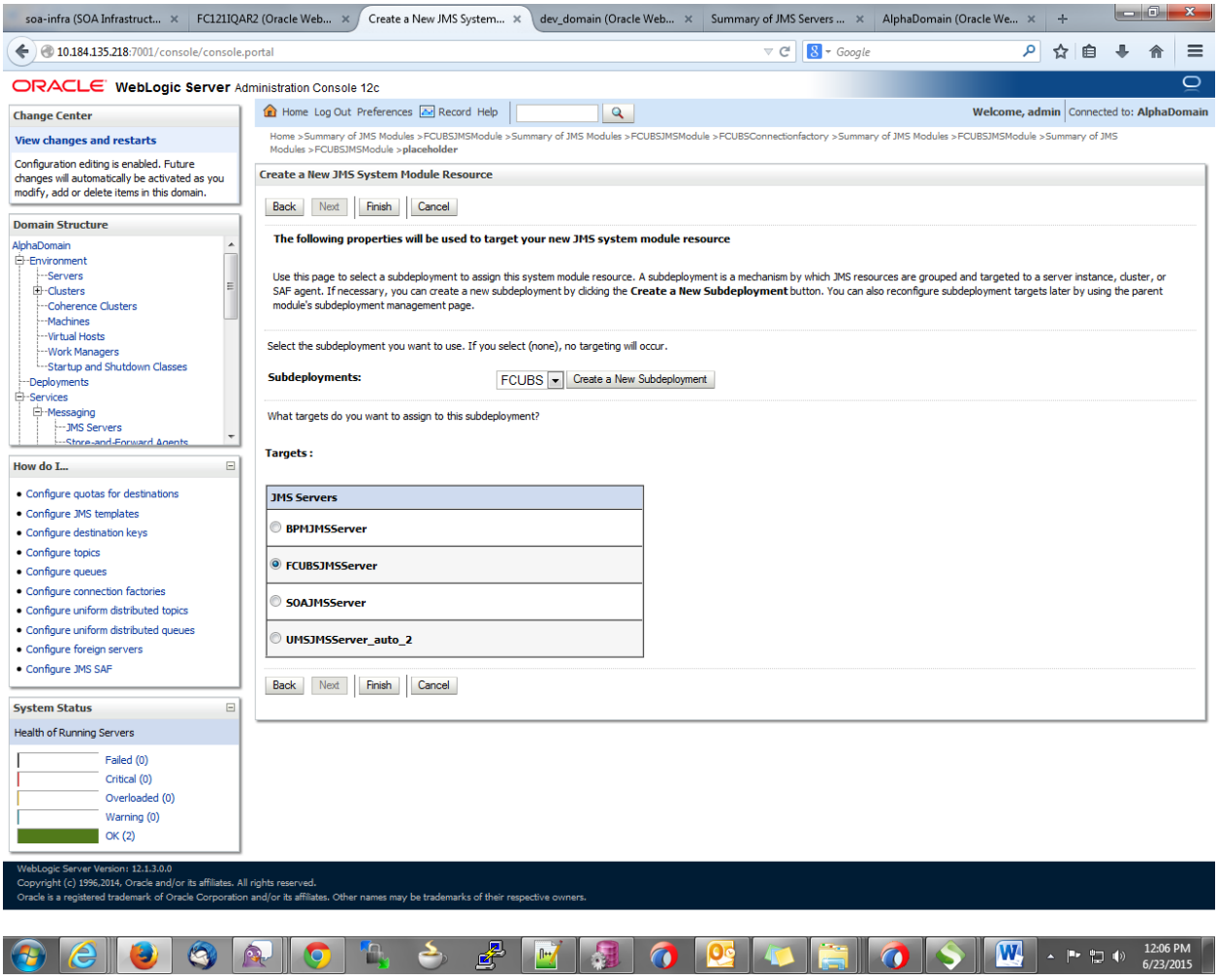
soa-infra (SOA Infrastruct...
FC121IQAR2 (Oracle Web...
Create a New JMS System...
dev_domain (Oracle Web...
Summary of JMS Servers ...
AlphaDomain (Oracle We...
10.184.135.218:7001/console/console.portal
ORACLE WebLogic Server Administration Console 12c
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View changes and restarts
Configuration editing is enabled. Future changes will automatically be activated as you modify, add or delete items in this domain.
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Configure destination keys
Configure topics
Configure queues
Configure connection factories
Configure uniform distributed topics
Configure uniform distributed queues
Configure foreign servers
Configure JMS SAF
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Failed (0)
Critical (0)
Overloaded (0)
Warning (0)
OK (2)
Home Log Out Preferences Record Help
Welcome, admin
Connected to: AlphaDomain
Home >Summary of JMS Modules >FCUBSJMSModule >Summary of JMS Modules >FCUBSJMSModule >FCUBSConnectionfactory >Summary of JMS Modules >FCUBSJMSModule >Summary of JMS Modules >FCUBSJMSModule >placeholder
Create a New JMS System Module Resource
Back
Next
Finish
Cancel
The following properties will be used to target your new JMS system module resource.
Use this page to select a subdeployment to assign this system module resource. A subdeployment is a mechanism by which JMS resources are grouped and targeted to a server instance, cluster, or SAF agent. If necessary, you can create a new subdeployment by clicking the Create a New Subdeployment button. You can also reconfigure subdeployment targets later by using the parent module's subdeployment management page.
Select the subdeployment you want to use. If you select (none), no targeting will occur.
Subdeployments:
FCUBS
Create a New Subdeployment
What targets do you want to assign to this subdeployment?
Targets :
JMS Servers
BPMJMSServer
FCUBSJMSServer
SOAJMSServer
UMSJMSServer_auto_2
Back
Next
Finish
Cancel
WebLogic Server Version: 12.1.3.0.0
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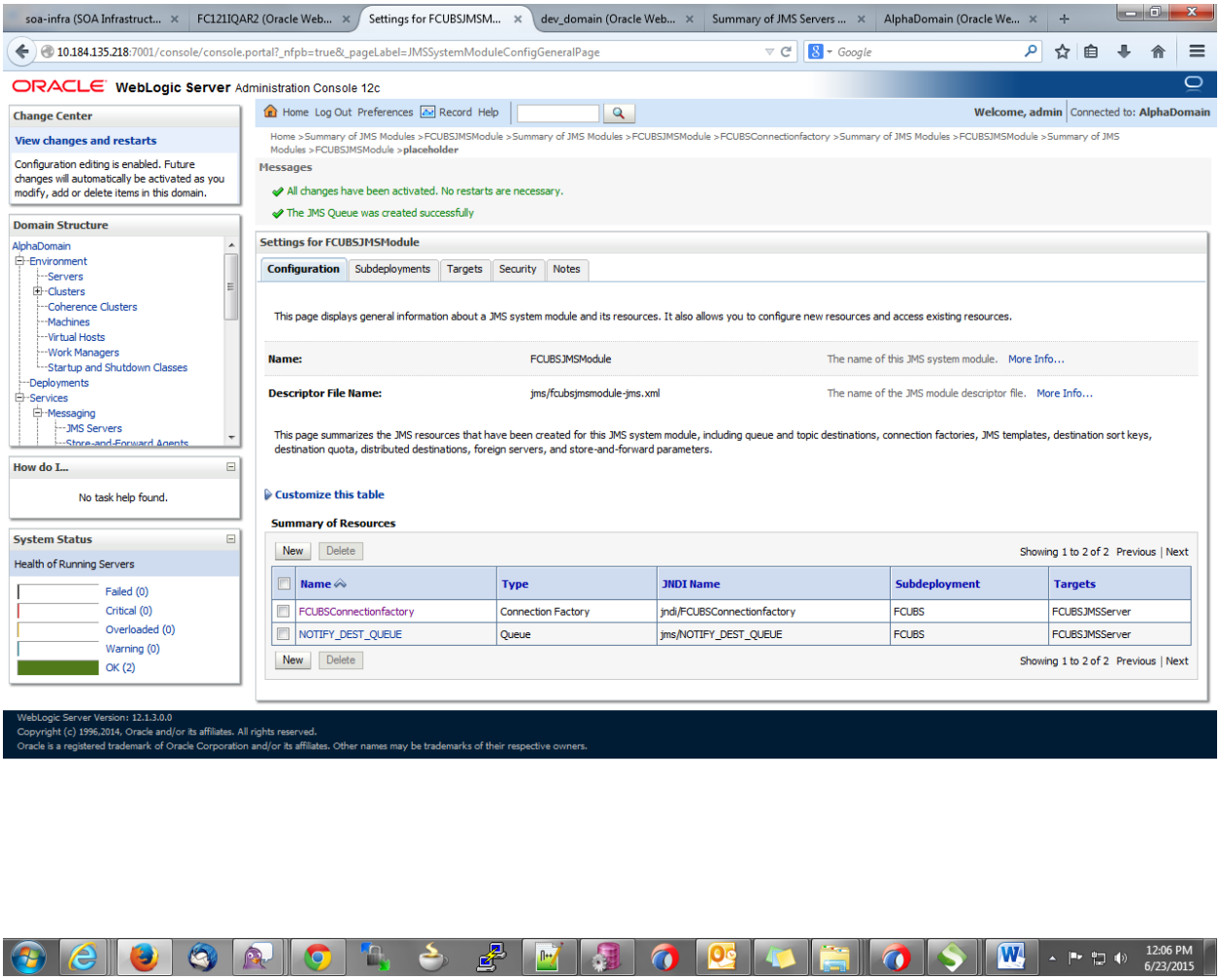
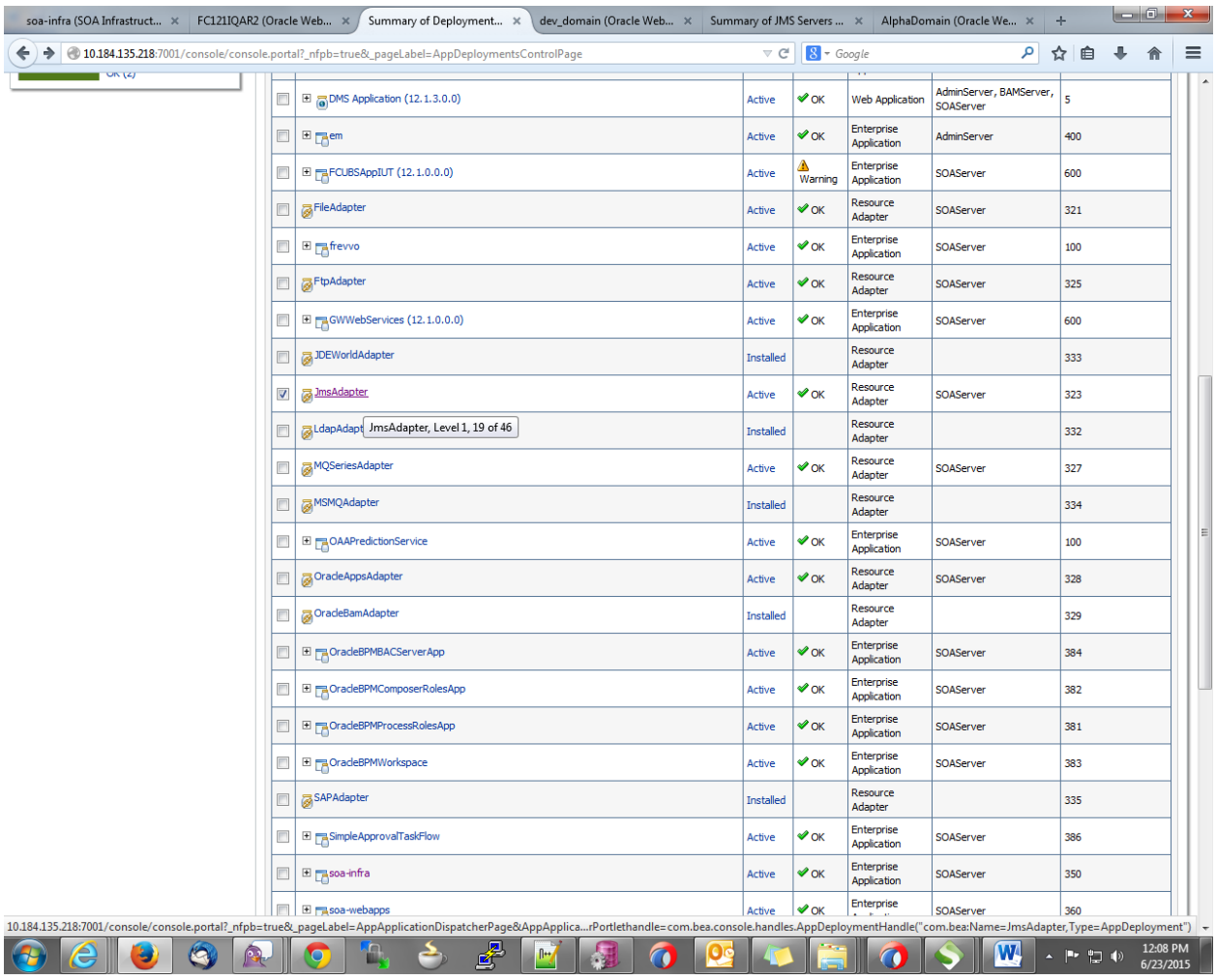
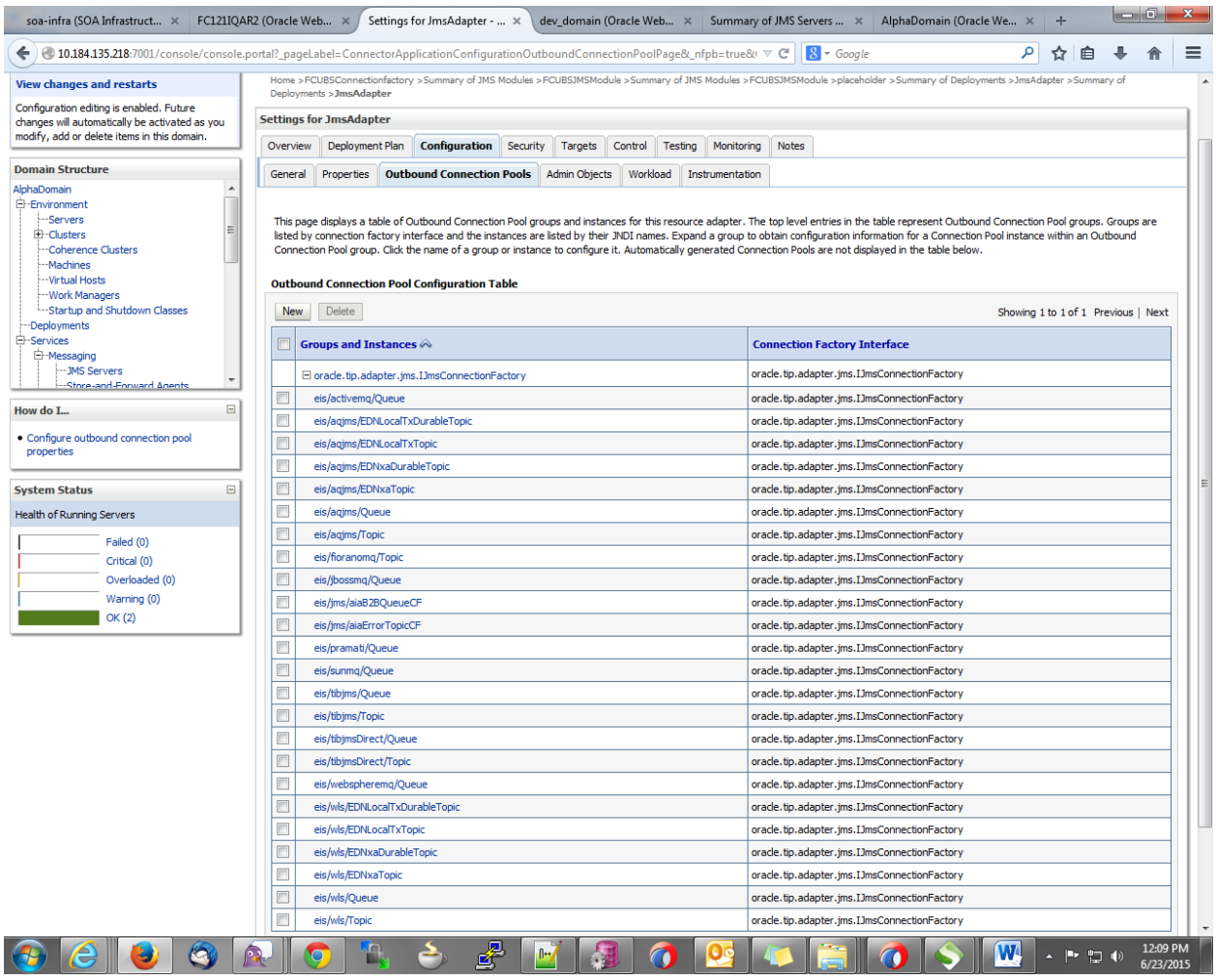


11. Please create the **MDB_QUEUE_RESPONSE**, **eis/jms/ORGateway**, **FAULT_QUEUE_RESPONSE** Queues as above in console with in **FCUBSJMSModule**.(Follow step 9-10 in 1.2.7)

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


soa-infra (SOA Infrastruct...
FC121IQAR2 (Oracle Web...
Summary of Deployment...
dev_domain (Oracle Web...
Summary of JMS Servers ...
AlphaDomain (Oracle We...
10.184.135.218:7001/console/console.portal?_nfpb=true&_pageLabel=AppDeploymentsControlPage
DMS Application (12.1.3.0.0) Active OK Web Application AdminServer, BAMServer, SOAServer 5
em Active OK Enterprise Application AdminServer 400
FCUBSAppIUT (12.1.0.0.0) Active Warning Enterprise Application SOAServer 600
FileAdapter Active OK Resource Adapter SOAServer 321
frevvo Active OK Enterprise Application SOAServer 100
FtpAdapter Active OK Resource Adapter SOAServer 325
GWWebServices (12.1.0.0.0) Active OK Enterprise Application SOAServer 600
JDEWorldAdapter Installed Resource Adapter 333
JmsAdapter Active OK Resource Adapter SOAServer 323
LdapAdapt JmsAdapter, Level 1, 19 of 46 Installed Resource Adapter 332
MQSeriesAdapter Active OK Resource Adapter SOAServer 327
MSMQAdapter Installed Resource Adapter 334
OAAPredictionService Active OK Enterprise Application SOAServer 100
OracleAppsAdapter Active OK Resource Adapter SOAServer 328
OracleBamAdapter Installed Resource Adapter 329
OracleBPMBACServerApp Active OK Enterprise Application SOAServer 384
OracleBPMComposerRolesApp Active OK Enterprise Application SOAServer 382
OracleBPMProcessRolesApp Active OK Enterprise Application SOAServer 381
OracleBPMWorkspace Active OK Enterprise Application SOAServer 383
SAPAdapter Installed Resource Adapter 335
SimpleApprovalTaskFlow Active OK Enterprise Application SOAServer 386
soa-infra Active OK Enterprise Application SOAServer 350
soa-webapps Active OK Enterprise Application SOAServer 360
10.184.135.218:7001/console/console.portal?_nfpb=true&_pageLabel=AppApplicationDispatcherPage&AppApplica...rPortlethandle=com.bea.console.handles.AppDeploymentHandle("com.bea:Name=JmsAdapter,Type=AppDeployment")
12:08 PM
6/23/2015


soa-infra (SOA Infrastruct...
FC121IQAR2 (Oracle Web...
Settings for JmsAdapter - ...
dev_domain (Oracle Web...
Summary of JMS Servers ...
AlphaDomain (Oracle We...
10.184.135.218:7001/console/console.portal?_pageLabel=ConnectorApplicationConfigurationOutboundConnectionPoolPage&_nfpb=true&
View changes and restarts
Configuration editing is enabled. Future changes will automatically be activated as you modify, add or delete items in this domain.
Domain Structure
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Configure outbound connection pool properties
System Status
Health of Running Servers
Failed (0)
Critical (0)
Overloaded (0)
Warning (0)
OK (2)
Home >FCUBSConnectionfactory >Summary of JMS Modules >FCUBSJMSModule >Summary of JMS Modules >FCUBSJMSModule >placeholder >Summary of Deployments >JmsAdapter >Summary of Deployments >JmsAdapter
Settings for JmsAdapter
Overview
Deployment Plan
Configuration
Security
Targets
Control
Testing
Monitoring
Notes
General
Properties
Outbound Connection Pools
Admin Objects
Workload
Instrumentation
This page displays a table of Outbound Connection Pool groups and instances for this resource adapter. The top level entries in the table represent Outbound Connection Pool groups. Groups are listed by connection factory interface and the instances are listed by their JNDI names. Expand a group to obtain configuration information for a Connection Pool instance within an Outbound Connection Pool group. Click the name of a group or instance to configure it. Automatically generated Connection Pools are not displayed in the table below.
Outbound Connection Pool Configuration Table
New
Delete
Showing 1 to 1 of 1 Previous | Next
Groups and Instances
Connection Factory Interface
oracle.tip.adapter.jms.IJmsConnectionFactory
eis/activemq/Queue
eis/aqjms/EDNLocalTxDurableTopic
eis/aqjms/EDNLocalTxTopic
eis/aqjms/EDNxaDurableTopic
eis/aqjms/EDNxaTopic
eis/aqjms/Queue
eis/aqjms/Topic
eis/fioranomq/Topic
eis/jbossmq/Queue
eis/jms/aiaB2BQueueCF
eis/jms/aiaErrorTopicCF
eis/pramati/Queue
eis/sunmq/Queue
eis/tibjms/Queue
eis/tibjms/Topic
eis/tibjmsDirect/Queue
eis/tibjmsDirect/Topic
eis/webspheremq/Queue
eis/wls/EDNLocalTxDurableTopic
eis/wls/EDNLocalTxTopic
eis/wls/EDNxaDurableTopic
eis/wls/EDNxaTopic
eis/wls/Queue
eis/wls/Topic
oracle.tip.adapter.jms.IJmsConnectionFactory
12:09 PM
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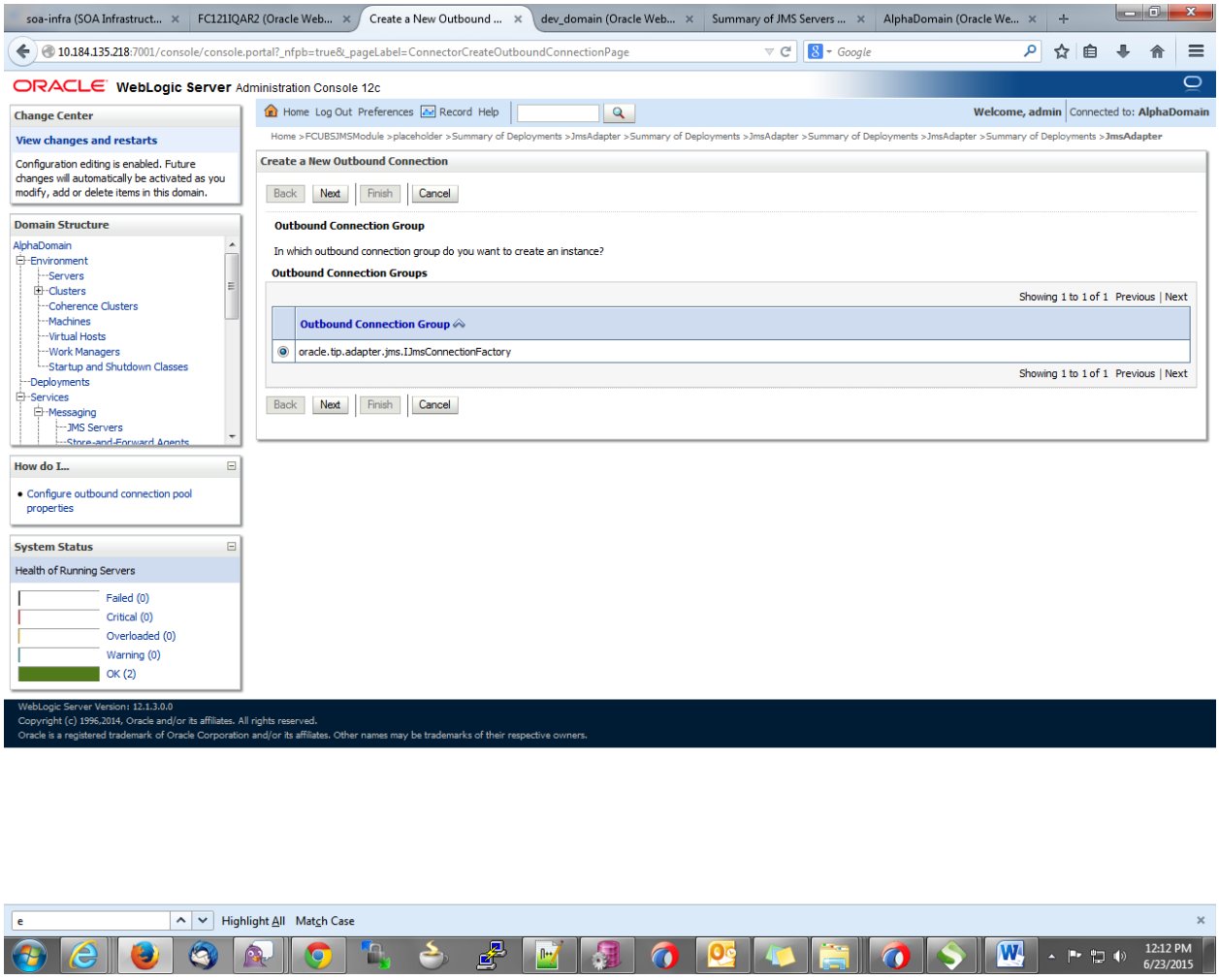
soa-infra (SOA Infrastruct...
FC121IQAR2 (Oracle Web...
Create a New Outbound ...
dev_domain (Oracle Web...
Summary of JMS Servers ...
AlphaDomain (Oracle We...
10.184.135.218:7001/console/console.portal?_nfpb=true&_pageLabel=ConnectorCreateOutboundConnectionPage
ORACLE WebLogic Server Administration Console 12c
Change Center
View changes and restarts
Configuration editing is enabled. Future changes will automatically be activated as you modify, add or delete items in this domain.
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Configure outbound connection pool properties
System Status
Health of Running Servers
Failed (0)
Critical (0)
Overloaded (0)
Warning (0)
OK (2)
Home Log Out Preferences Record Help
Welcome, admin Connected to: AlphaDomain
Home >FCUBSJMSModule >placeholder >Summary of Deployments >JmsAdapter >Summary of Deployments >JmsAdapter >Summary of Deployments >JmsAdapter >Summary of Deployments >JmsAdapter
Create a New Outbound Connection
Back Next Finish Cancel
Outbound Connection Group
In which outbound connection group do you want to create an instance?
Outbound Connection Groups
Showing 1 to 1 of 1 Previous | Next
Outbound Connection Group
oracle.tip.adapter.jms.IJmsConnectionFactory
Showing 1 to 1 of 1 Previous | Next
Back Next Finish Cancel
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e
Highlight All
Match Case
12:12 PM
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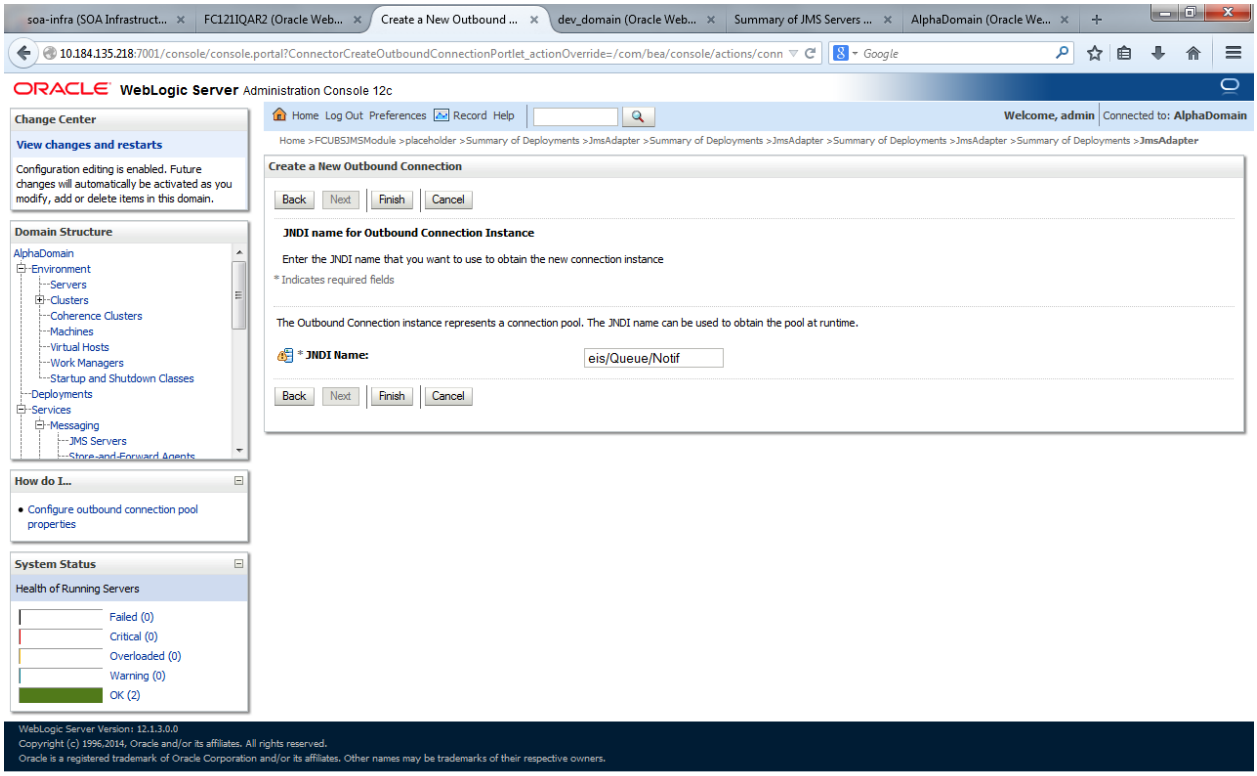
soa-infra (SOA Infrastruct...
FC121IQAR2 (Oracle Web...
Create a New Outbound ...
dev_domain (Oracle Web...
Summary of JMS Servers ...
AlphaDomain (Oracle We...
10.184.135.218:7001/console/console.portal?ConnectorCreateOutboundConnectionPortlet_actionOverride=/com/bea/console/actions/conn
ORACLE WebLogic Server Administration Console 12c
Change Center
View changes and restarts
Configuration editing is enabled. Future changes will automatically be activated as you modify, add or delete items in this domain.
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Critical (0)
Overloaded (0)
Warning (0)
OK (2)
Home Log Out Preferences Record Help
Welcome, admin Connected to: AlphaDomain
Home >FCUBSJMSModule >placeholder >Summary of Deployments >JmsAdapter >Summary of Deployments >JmsAdapter >Summary of Deployments >JmsAdapter >Summary of Deployments >JmsAdapter
Create a New Outbound Connection
Back Next Finish Cancel
JNDI name for Outbound Connection Instance
Enter the JNDI name that you want to use to obtain the new connection instance
* Indicates required fields
The Outbound Connection instance represents a connection pool. The JNDI name can be used to obtain the pool at runtime.
* JNDI Name:
eis/Queue/Notif
Back Next Finish Cancel
WebLogic Server Version: 12.1.3.0.0
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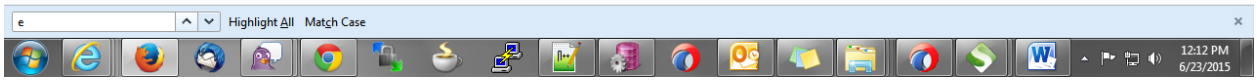
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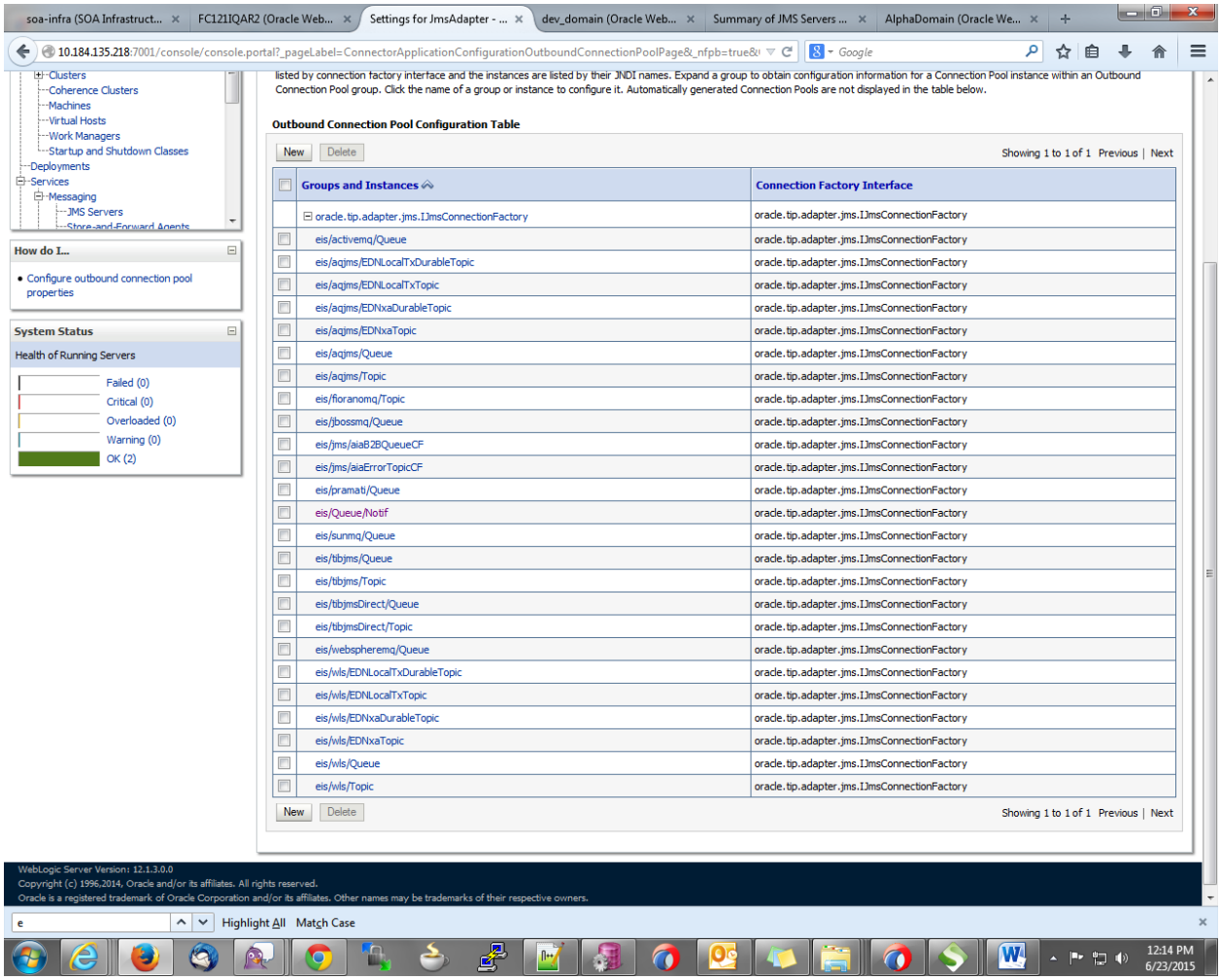
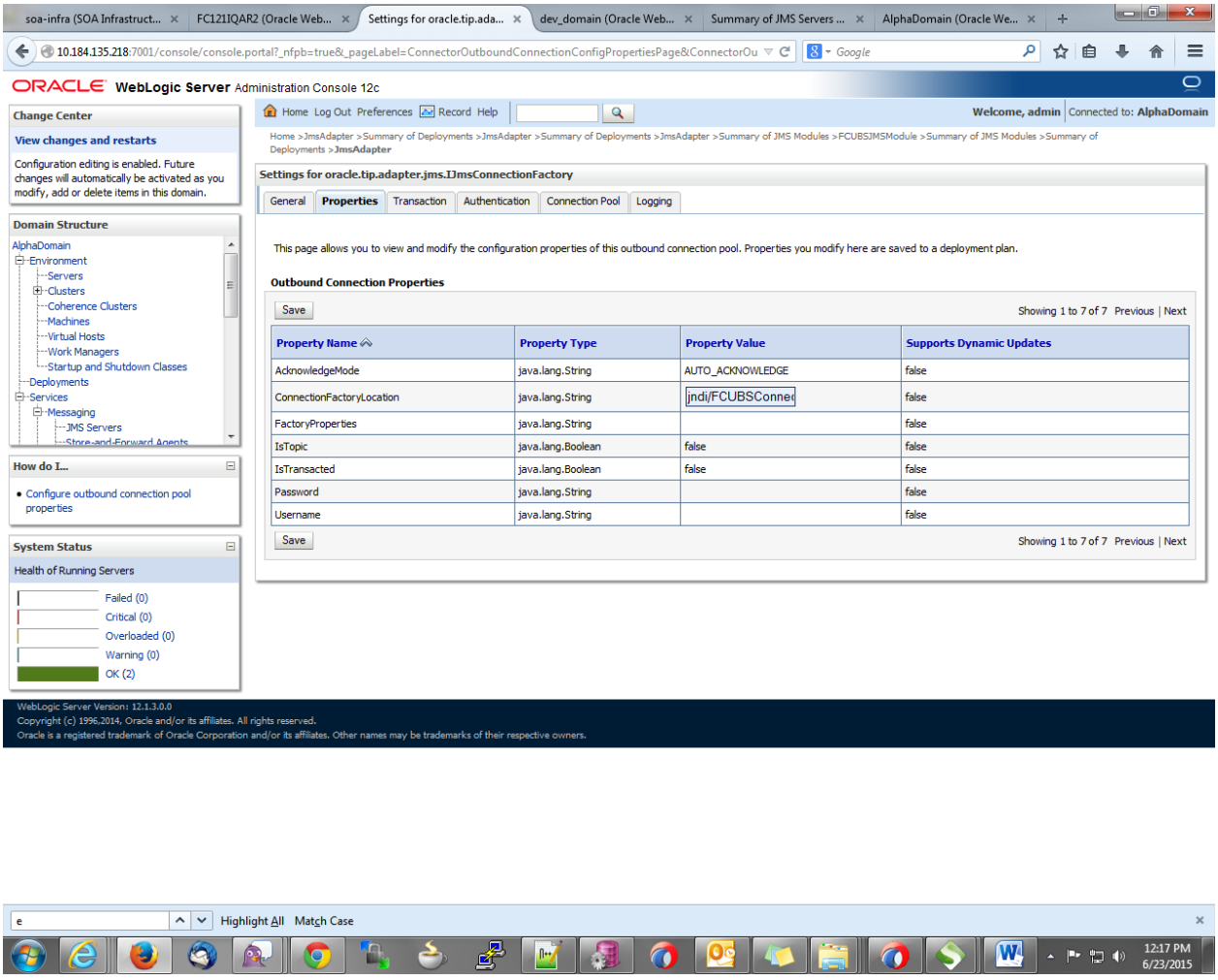


6. Click on the Outbound connection pool with **eis/Queue/Notif** and enter the connection factory location as **jndi/FCUBSConnectionfactory**→press Enter and Save


soa-infra (SOA Infrastruct...
FC121IQAR2 (Oracle Web...
Settings for oracle.tip.ada...
dev_domain (Oracle Web...
Summary of JMS Servers ...
AlphaDomain (Oracle We...
10.184.135.218:7001/console/console.portal?_nfpb=true&_pageLabel=ConnectorOutboundConnectionConfigPropertiesPage&ConnectorOu
ORACLE WebLogic Server Administration Console 12c
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Configure outbound connection pool properties
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Health of Running Servers
Failed (0)
Critical (0)
Overloaded (0)
Warning (0)
OK (2)
Home Log Out Preferences Record Help
Welcome, admin | Connected to: AlphaDomain
Home >JmsAdapter >Summary of Deployments >JmsAdapter >Summary of Deployments >JmsAdapter >Summary of JMS Modules >FCUBSJMSModule >Summary of JMS Modules >Summary of Deployments >JmsAdapter
Settings for oracle.tip.adapter.jms.IJmsConnectionFactory
General
Properties
Transaction
Authentication
Connection Pool
Logging
This page allows you to view and modify the configuration properties of this outbound connection pool. Properties you modify here are saved to a deployment plan.
Outbound Connection Properties
Save
Showing 1 to 7 of 7 Previous | Next
Property Name
Property Type
Property Value
Supports Dynamic Updates
AcknowledgeMode
java.lang.String
AUTO_ACKNOWLEDGE
false
ConnectionFactoryLocation
java.lang.String
jndi/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
Save
Showing 1 to 7 of 7 Previous | Next
WebLogic Server Version: 12.1.3.0.0
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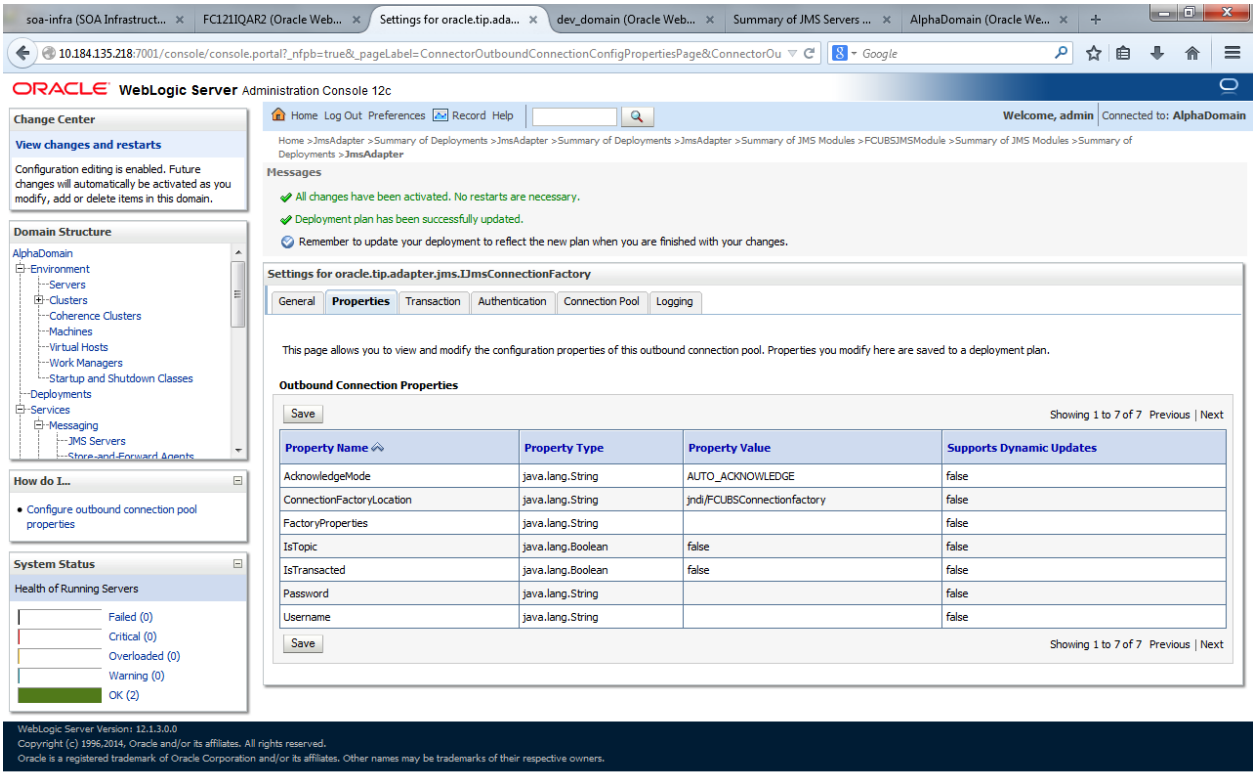
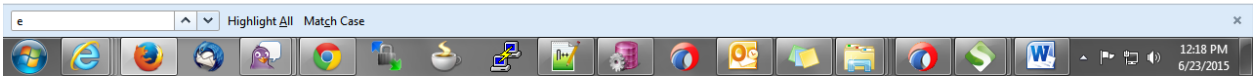
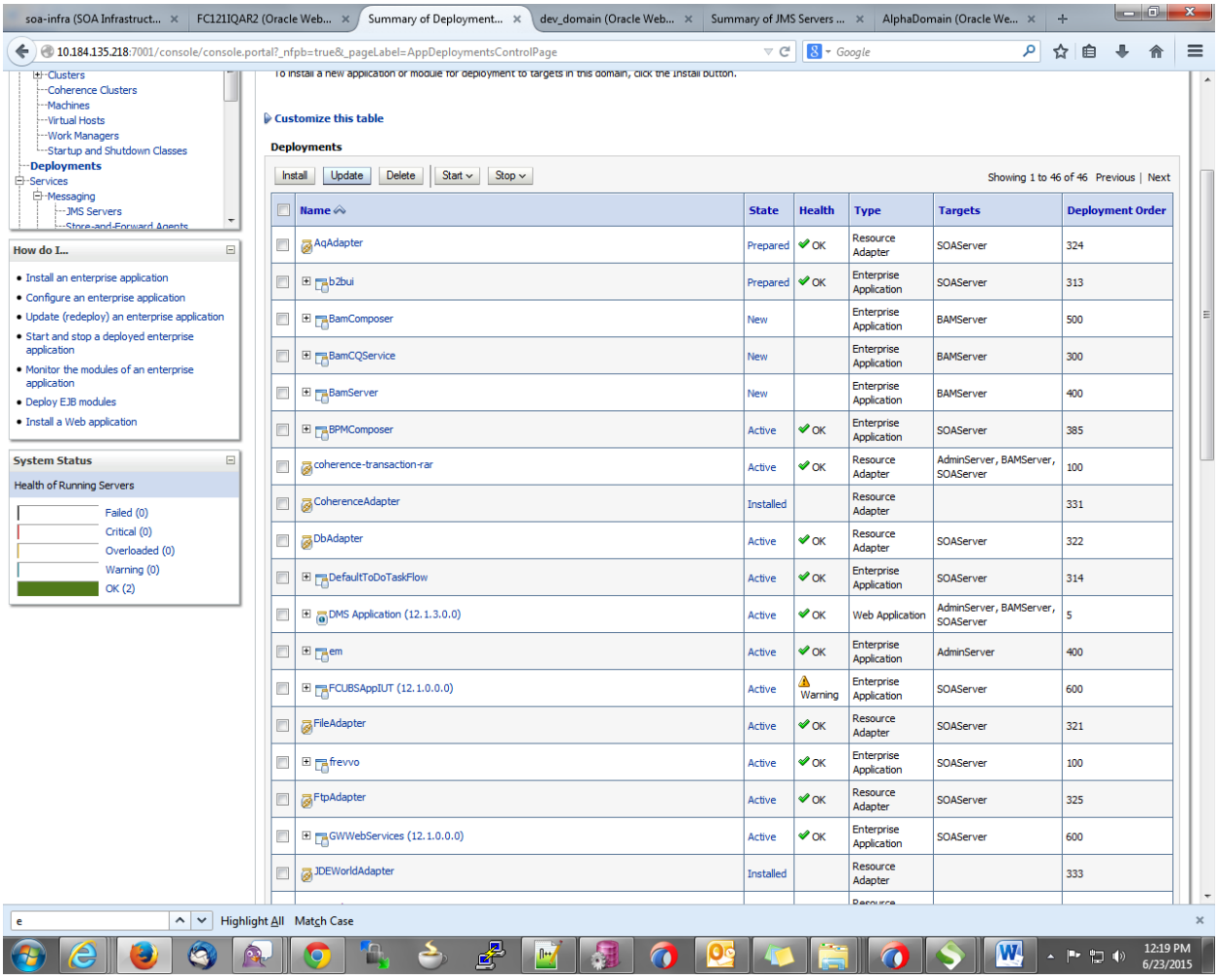




15. Go to console →Deployments→JMS adapter→Update→Next→ Next →finish


soa-infra (SOA Infrastruct...
FC121IQAR2 (Oracle Web...
Summary of Deployment...
dev_domain (Oracle Web...
Summary of JMS Servers ...
AlphaDomain (Oracle We...
10.184.135.218:7001/console/console.portal?_nfpb=true&_pageLabel=AppDeploymentsControlPage
Clusters
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Startup and Shutdown Classes
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How do I...
Install an enterprise application
Configure an enterprise application
Update (redeploy) an enterprise application
Start and stop a deployed enterprise application
Monitor the modules of an enterprise application
Deploy EJB modules
Install a Web application
System Status
Health of Running Servers
Failed (0)
Critical (0)
Overloaded (0)
Warning (0)
OK (2)
To install a new application or module for deployment to targets in this domain, click the Install button.
Customize this table
Deployments
Install
Update
Delete
Start
Stop
Showing 1 to 46 of 46 Previous | Next
Name
State
Health
Type
Targets
Deployment Order
AqAdapter Prepared OK Resource Adapter SOAServer 324
b2bui Prepared OK Enterprise Application SOAServer 313
BamComposer New Enterprise Application BAMServer 500
BamCQService New Enterprise Application BAMServer 300
BamServer New Enterprise Application BAMServer 400
BPMComposer Active OK Enterprise Application SOAServer 385
coherence-transaction-rar Active OK Resource Adapter AdminServer, BAMServer, SOAServer 100
CoherenceAdapter Installed Resource Adapter 331
DbAdapter Active OK Resource Adapter SOAServer 322
DefaultToDoTaskFlow Active OK Enterprise Application SOAServer 314
DMS Application (12.1.3.0.0) Active OK Web Application AdminServer, BAMServer, SOAServer 5
em Active OK Enterprise Application AdminServer 400
FCUBSAppIUT (12.1.0.0.0) Active Warning Enterprise Application SOAServer 600
FileAdapter Active OK Resource Adapter SOAServer 321
frevvo Active OK Enterprise Application SOAServer 100
FtpAdapter Active OK Resource Adapter SOAServer 325
GWWebServices (12.1.0.0.0) Active OK Enterprise Application SOAServer 600
JDEWorldAdapter Installed Resource Adapter 333
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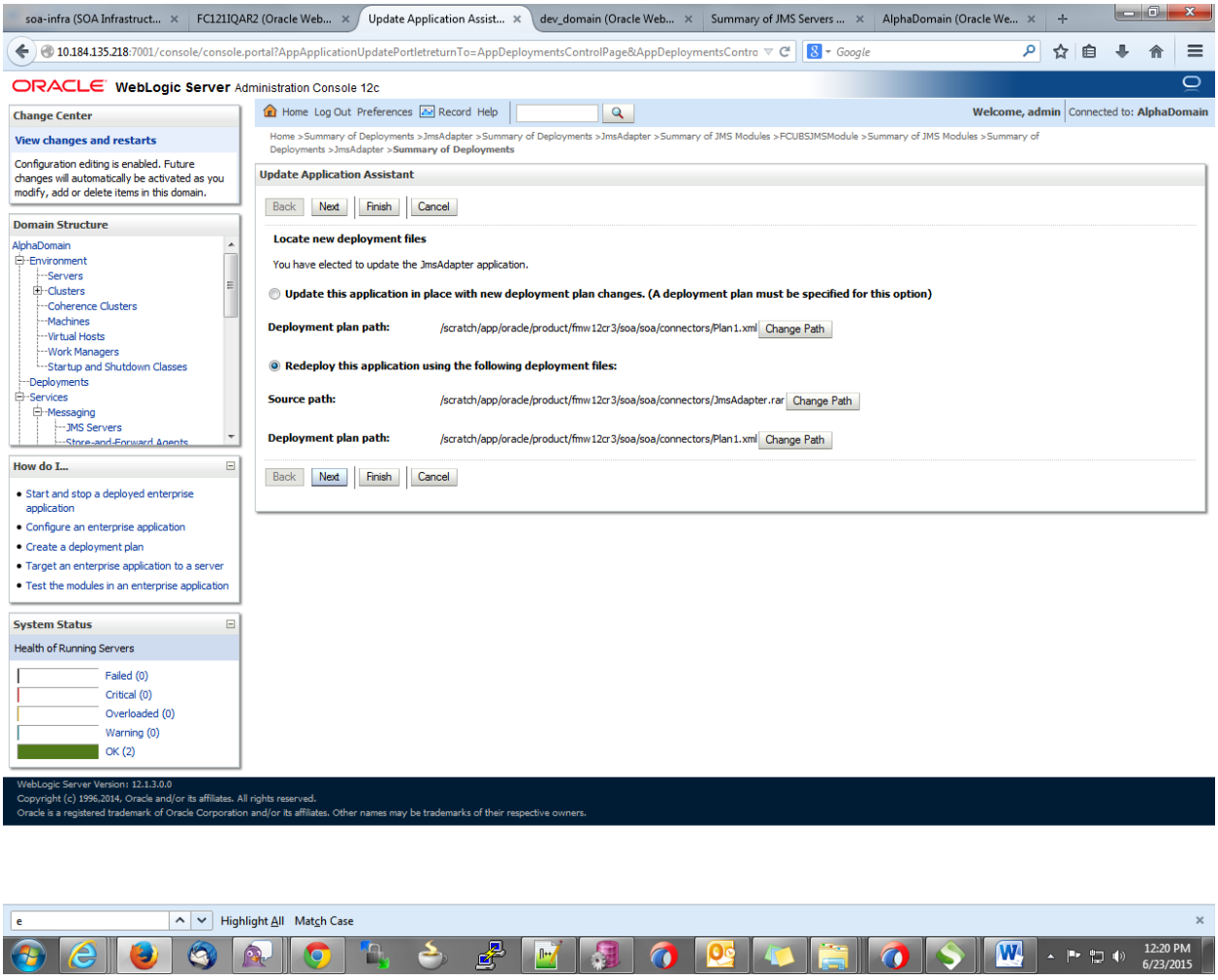
soa-infra (SOA Infrastruct...
FC121IQAR2 (Oracle Web...
Update Application Assist...
dev_domain (Oracle Web...
Summary of JMS Servers ...
AlphaDomain (Oracle We...
10.184.135.218:7001/console/console.portal?AppApplicationUpdatePortletreturnTo=AppDeploymentsControlPage&AppDeploymentsContro
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Configuration editing is enabled. Future changes will automatically be activated as you modify, add or delete items in this domain.
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Target an enterprise application to a server
Test the modules in an enterprise application
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Critical (0)
Overloaded (0)
Warning (0)
OK (2)
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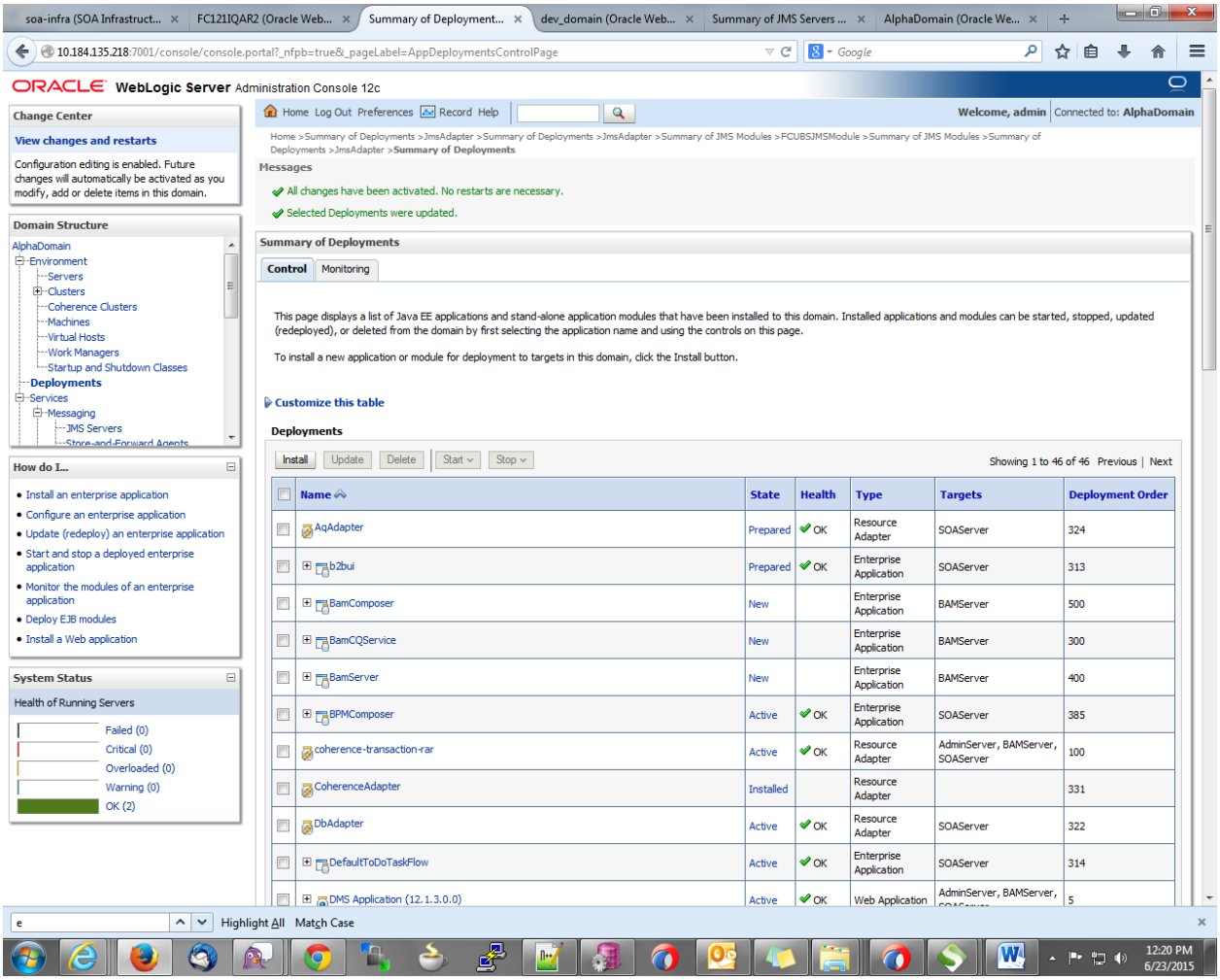
Welcome, admin Connected to: AlphaDomain
Home >Summary of Deployments >JmsAdapter >Summary of Deployments >JmsAdapter >Summary of JMS Modules >FCUBSJMSModule >Summary of JMS Modules >Summary of Deployments >JmsAdapter >Summary of Deployments
Update Application Assistant
Back Next Finish Cancel
Locate new deployment files
You have elected to update the JmsAdapter application.
Update this application in place with new deployment plan changes. (A deployment plan must be specified for this option)
Deployment plan path: /scratch/app/oracle/product/fmw12cr3/soa/soa/connectors/Plan1.xml Change Path
Redeploy this application using the following deployment files:
Source path: /scratch/app/oracle/product/fmw12cr3/soa/soa/connectors/JmsAdapter.rar Change Path
Deployment plan path: /scratch/app/oracle/product/fmw12cr3/soa/soa/connectors/Plan1.xml Change Path
Back Next Finish Cancel
WebLogic Server Version: 12.1.3.0.0
Copyright (c) 1996,2014, Oracle and/or its affiliates. All rights reserved.
Oracle is a registered trademark of Oracle Corporation and/or its affiliates. Other names may be trademarks of their respective owners.

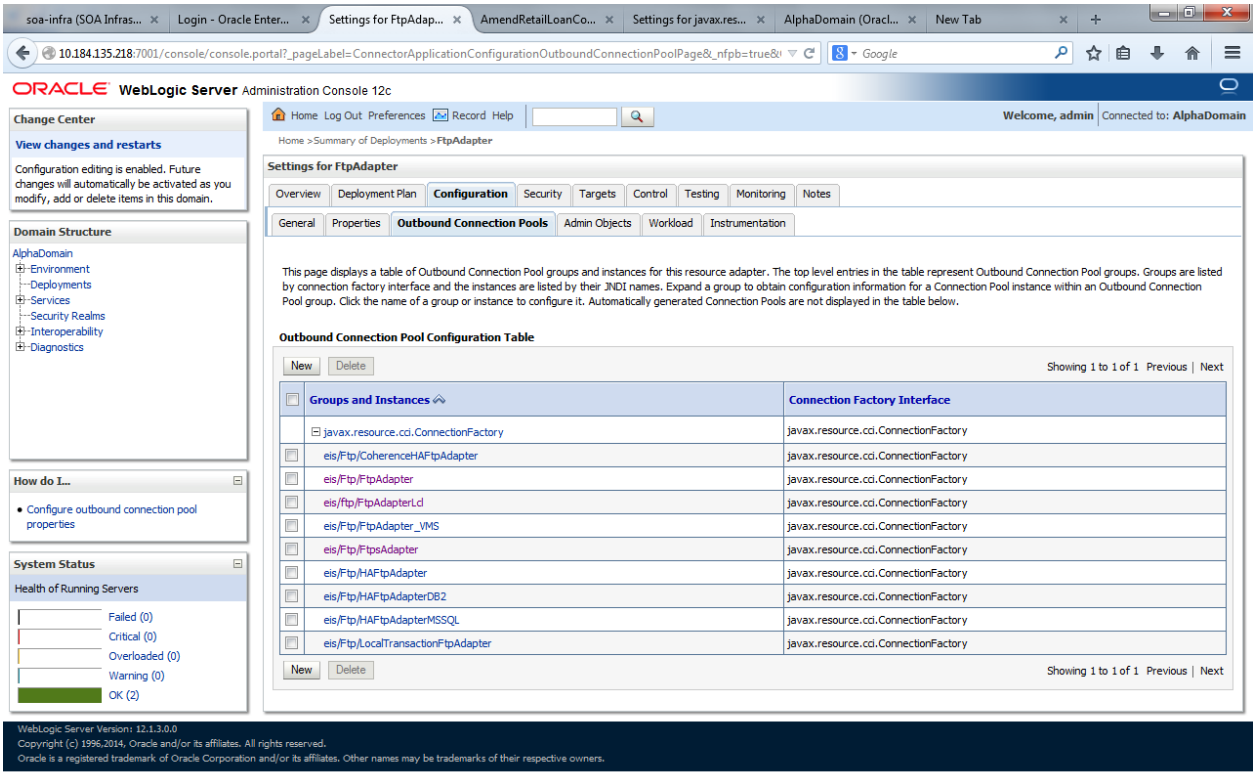
e
Highlight All
Match Case
12:20 PM
6/23/2015

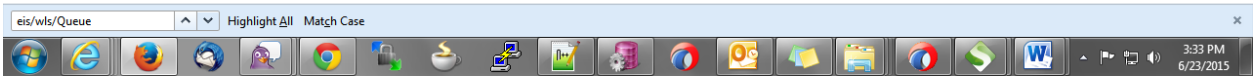


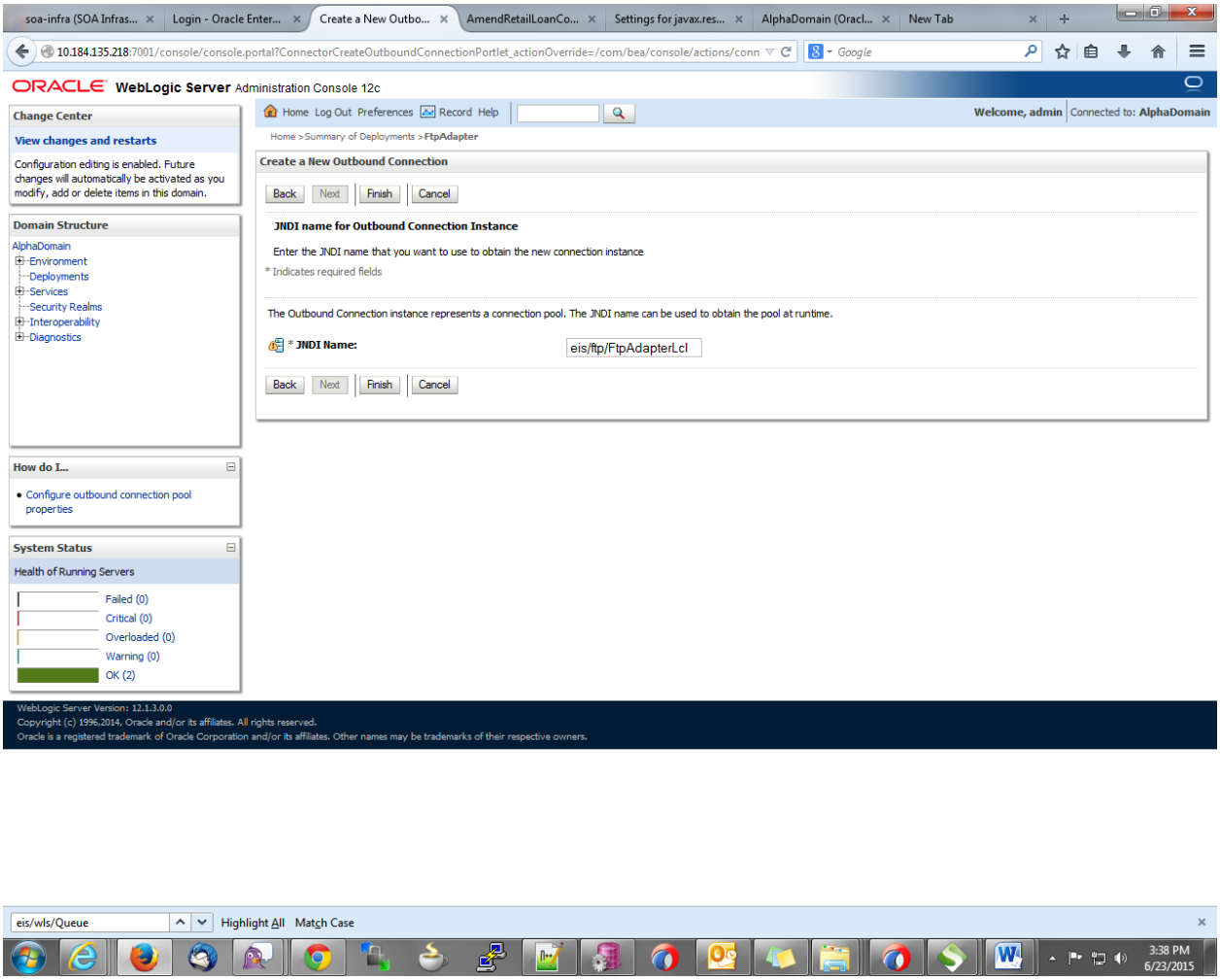
16. Create the out bound connection pool with the **eis/wls/Queue** name in the Deployments using connection factory jndi/FCUBSConnectionfactory.

1.2.7 Configuring FTP Adapter

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


soa-infra (SOA Infras...
Login - Oracle Enter...
Settings for FtpAdap...
AmendRetailLoanCo...
Settings for javax.res...
AlphaDomain (Oracl...
New Tab
10.184.135.218:7001/console/console.portal?_pageLabel=ConnectorApplicationConfigurationOutboundConnectionPoolPage&_nfpb=true&
ORACLE WebLogic Server Administration Console 12c
Change Center
View changes and restarts
Configuration editing is enabled. Future changes will automatically be activated as you modify, add or delete items in this domain.
Domain Structure
AlphaDomain
Environment
Deployments
Services
Security Realms
Interoperability
Diagnostics
How do I...
Configure outbound connection pool properties
System Status
Health of Running Servers
Failed (0)
Critical (0)
Overloaded (0)
Warning (0)
OK (2)
Home Log Out Preferences Record Help
Welcome, admin Connected to: AlphaDomain
Home >Summary of Deployments >FtpAdapter
Settings for FtpAdapter
Overview Deployment Plan Configuration Security Targets Control Testing Monitoring Notes
General Properties Outbound Connection Pools Admin Objects Workload Instrumentation
This page displays a table of Outbound Connection Pool groups and instances for this resource adapter. The top level entries in the table represent Outbound Connection Pool groups. Groups are listed by connection factory interface and the instances are listed by their JNDI names. Expand a group to obtain configuration information for a Connection Pool instance within an Outbound Connection Pool group. Click the name of a group or instance to configure it. Automatically generated Connection Pools are not displayed in the table below.
Outbound Connection Pool Configuration Table
New Delete
Showing 1 to 1 of 1 Previous | Next
Groups and Instances
Connection Factory Interface
javax.resource.cci.ConnectionFactory
eis/Ftp/CoherenceHAFtpAdapter
eis/Ftp/FtpAdapter
eis/ftp/FtpAdapterLcl
eis/Ftp/FtpAdapter_VMS
eis/Ftp/FtpsAdapter
eis/Ftp/HAFtpAdapter
eis/Ftp/HAFtpAdapterDB2
eis/Ftp/HAFtpAdapterMSSQL
eis/Ftp/LocalTransactionFtpAdapter
WebLogic Server Version: 12.1.3.0.0
Copyright (c) 1996,2014, Oracle and/or its affiliates. All rights reserved.
Oracle is a registered trademark of Oracle Corporation and/or its affiliates. Other names may be trademarks of their respective owners.


eis/wls/Queue
Highlight All
Match Case
3:33 PM
6/23/2015

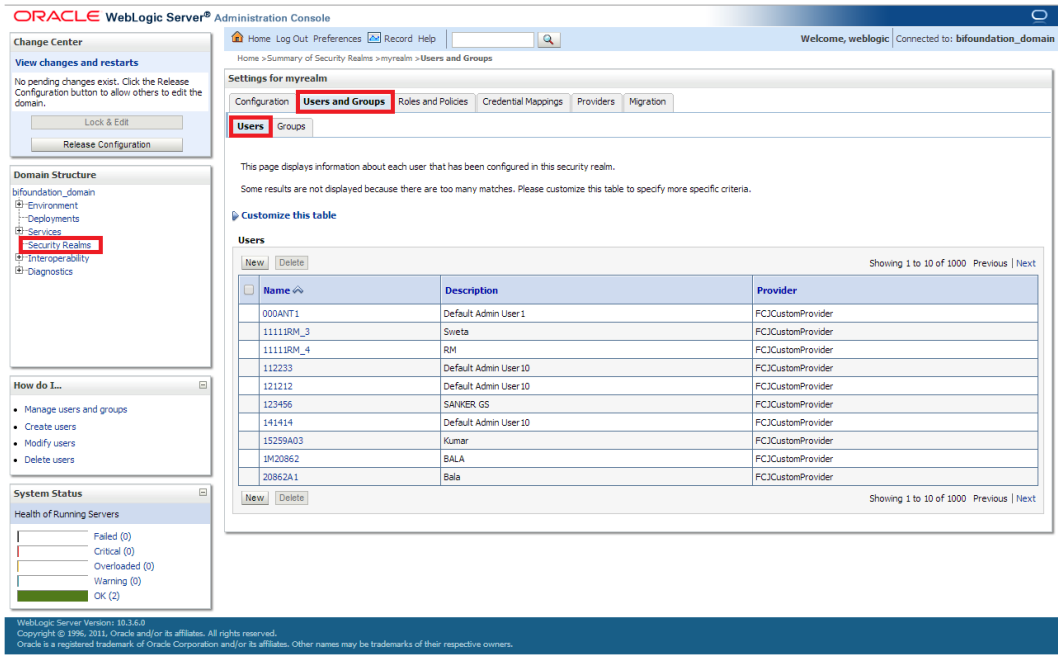


2)Click finish and save.

1.2.8 BIP Interactive reports configuration

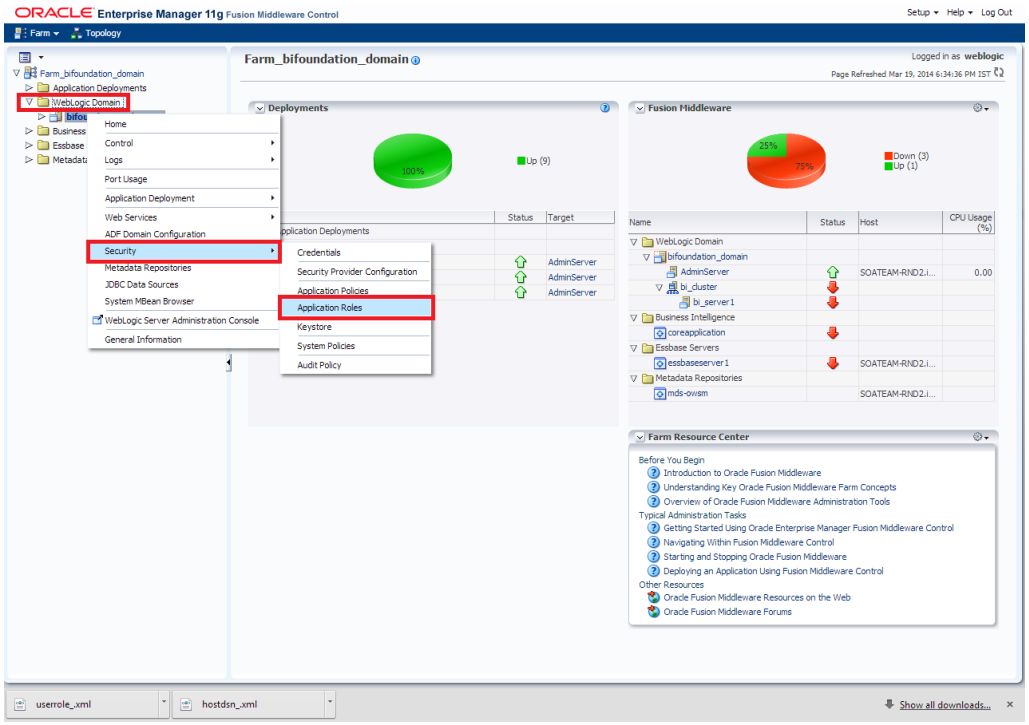
1) Login to the BIP domain console, http/s:<hostname>:<port>/console.
2) Follow the step 1.2.1 to add the “FCJCustomProvider”.

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



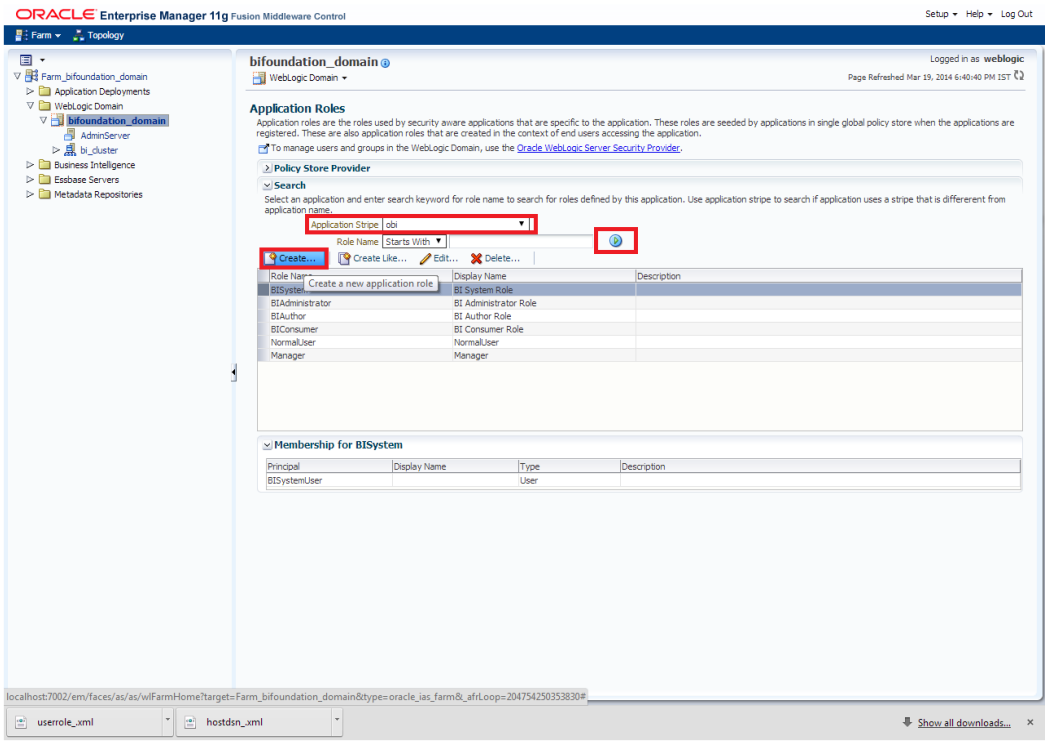
3) Login to the Enterprise Manager (em) http/s:<hostname>:<port>/em

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



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

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

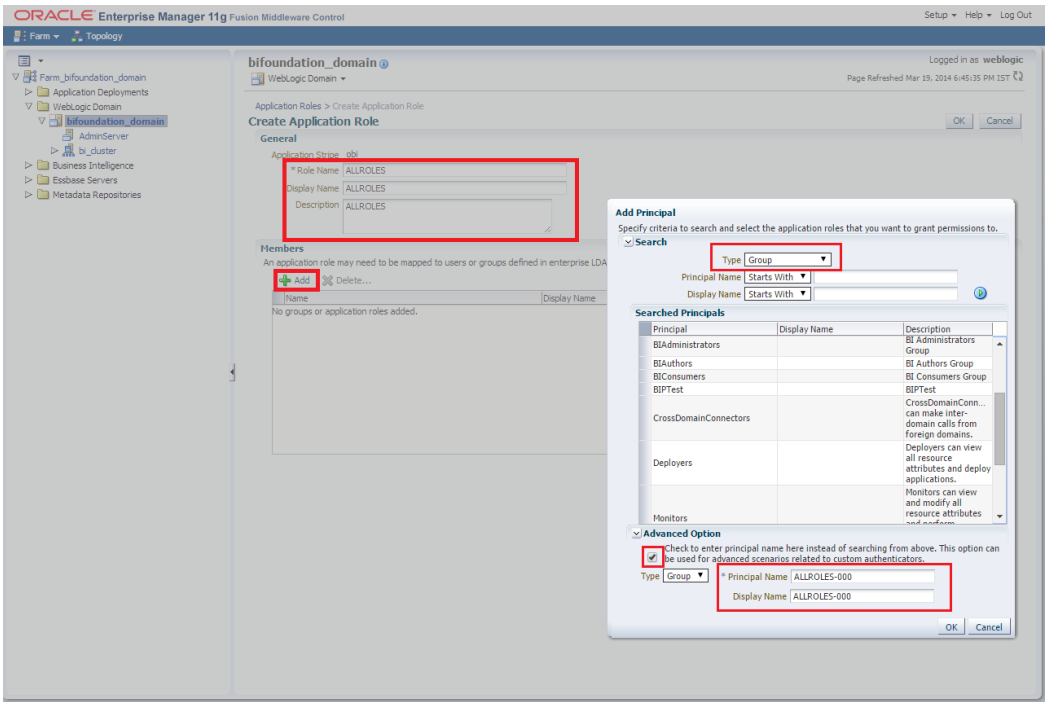


5) After navigating to next screen as in below screenshot,

- Enter the role name(mandatory), display name(optional), description(optional)
- Click on the Add button
- In the Add Principal pop up select type as “Group”
- In the advanced option check the checkbox and again select the type as “Group” below
  - Click on the Search button, if the roles are listed then select the roles like ALLROLES-000, ADMINROLE-000 from the list.

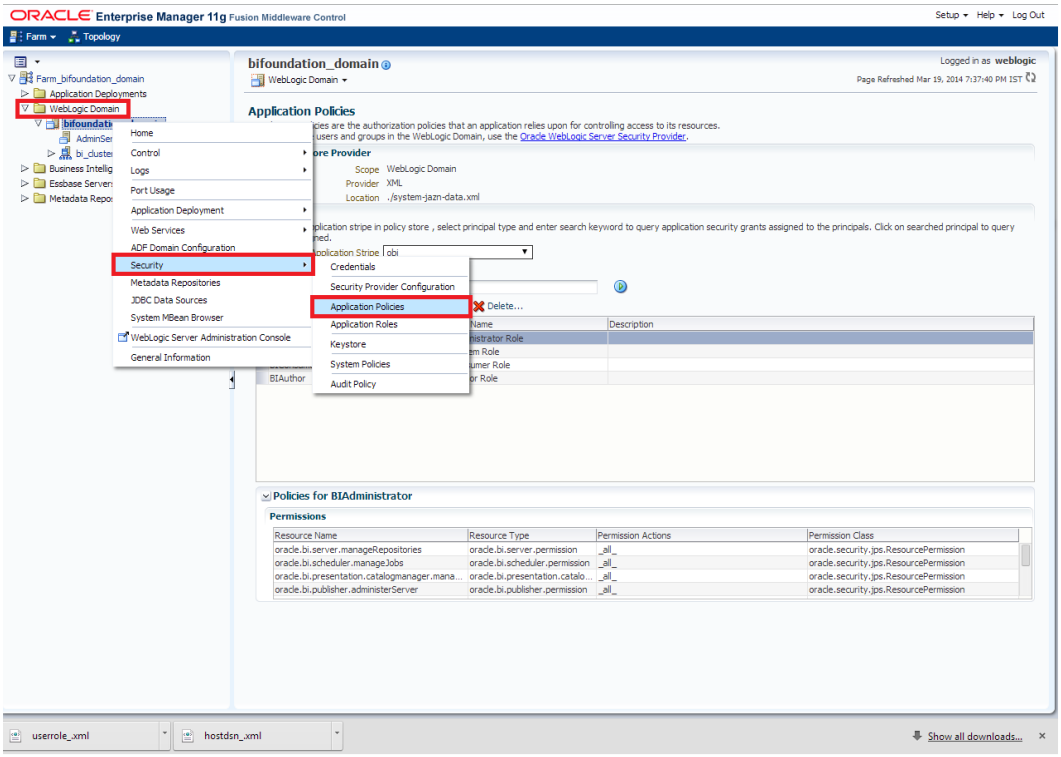
    or

  - Enter the Principal Name (mandatory), which is actually the role present in the FCUBS (ex: ALLROLES-000, ADMINROLE-000), Display Name (optional).
- After completing click on OK button in pop up window and also in the screen.

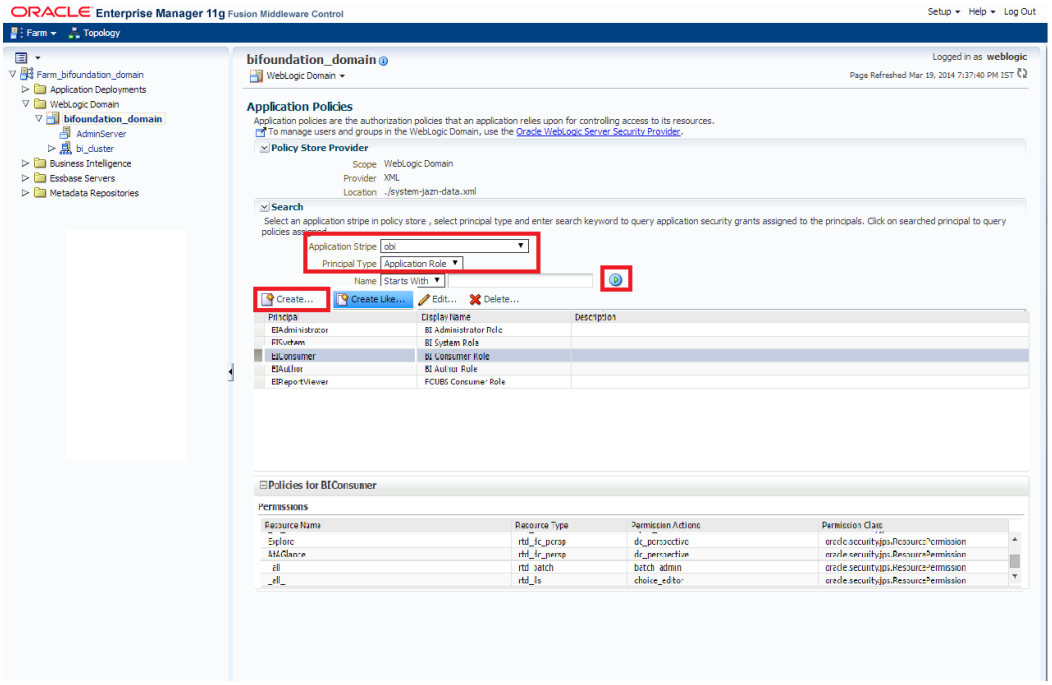


6) After getting information message like “A new role added successfully”, then again

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

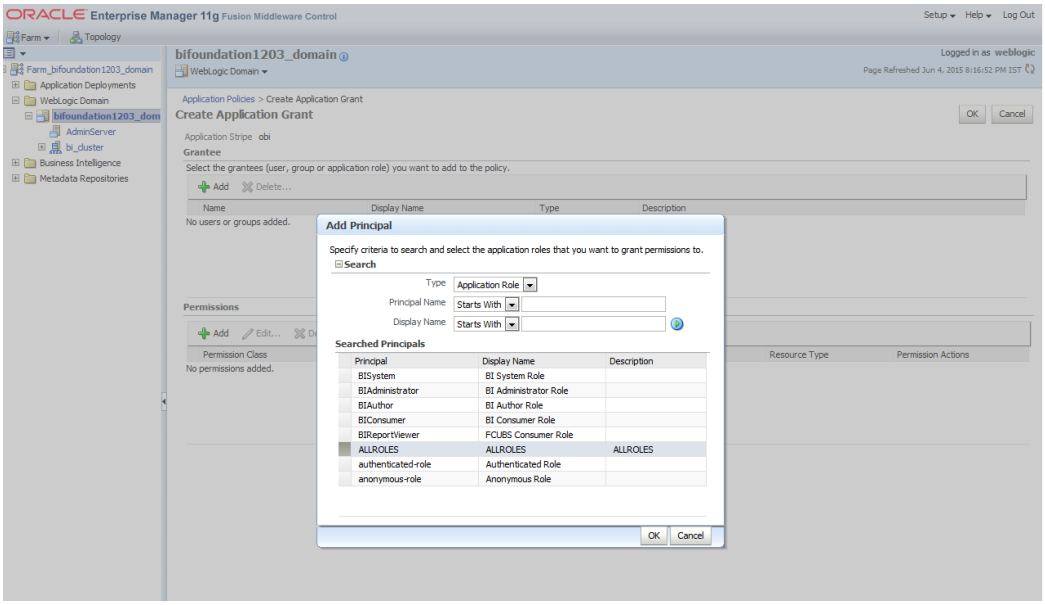


7) After navigating to next screen as per screen shot,
   - Select the application stripe as obi, principal type as “Application Role”
   - Click on the search button
   - Select BIConsumer(it should be highlighted) from the list and click on the create like button.

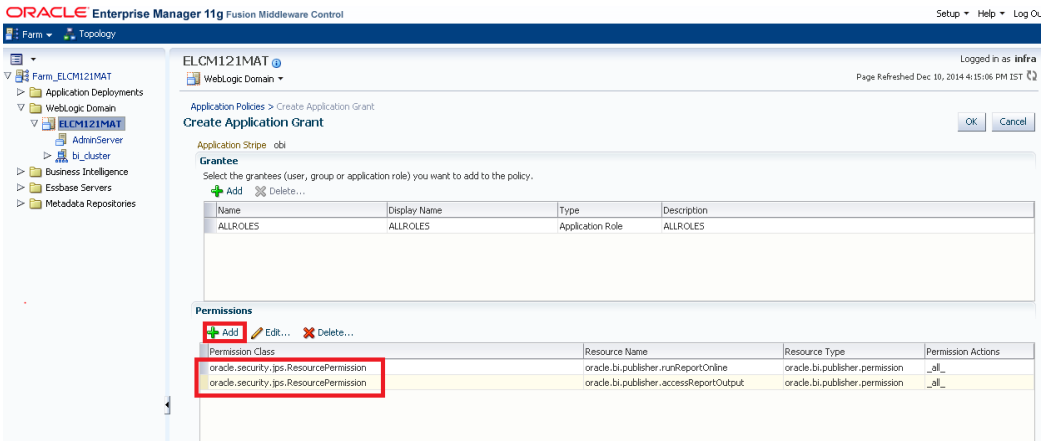


8) After navigating to next screen as per the screen shot,

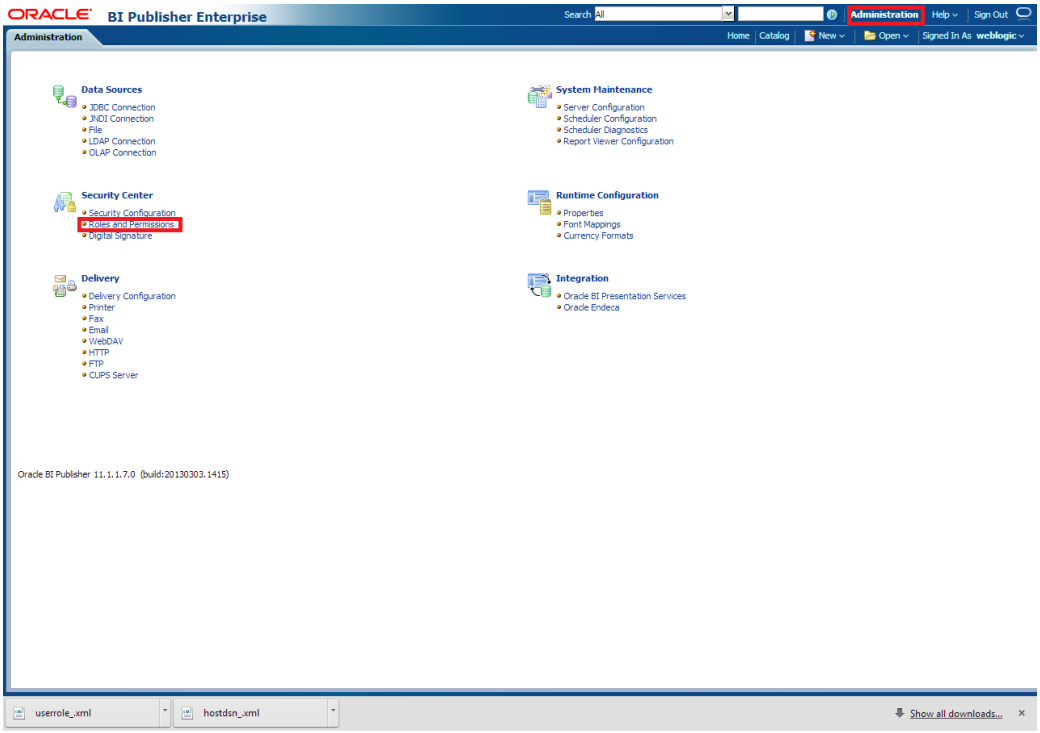
- Click on Add button , a new window “Add Principal” will be launched.
- Select Type as “Application Role” and click on the search button
- From the list select the role that has been created earlier in application role screen and click on OK button in pop up window and screen.



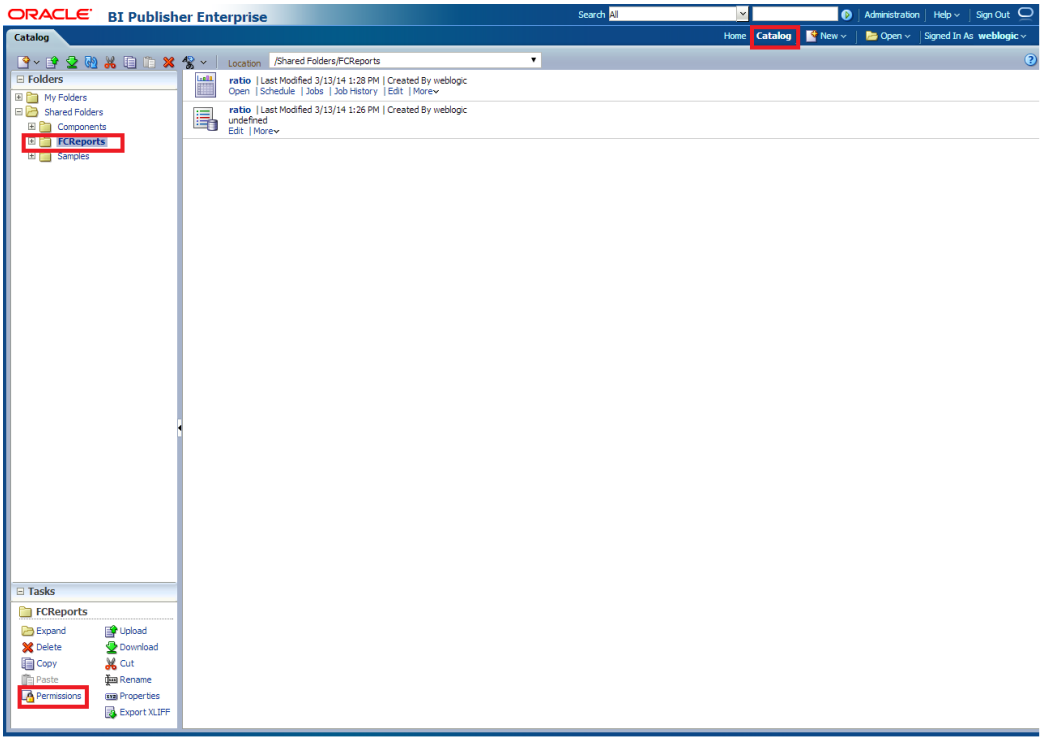
- Click Add button under Permissions and add the two permissions one by one as mentioned below.
    - oracle.bi.publisher.runReportOnline
    - oracle.bi.publisher.accessReportOutput



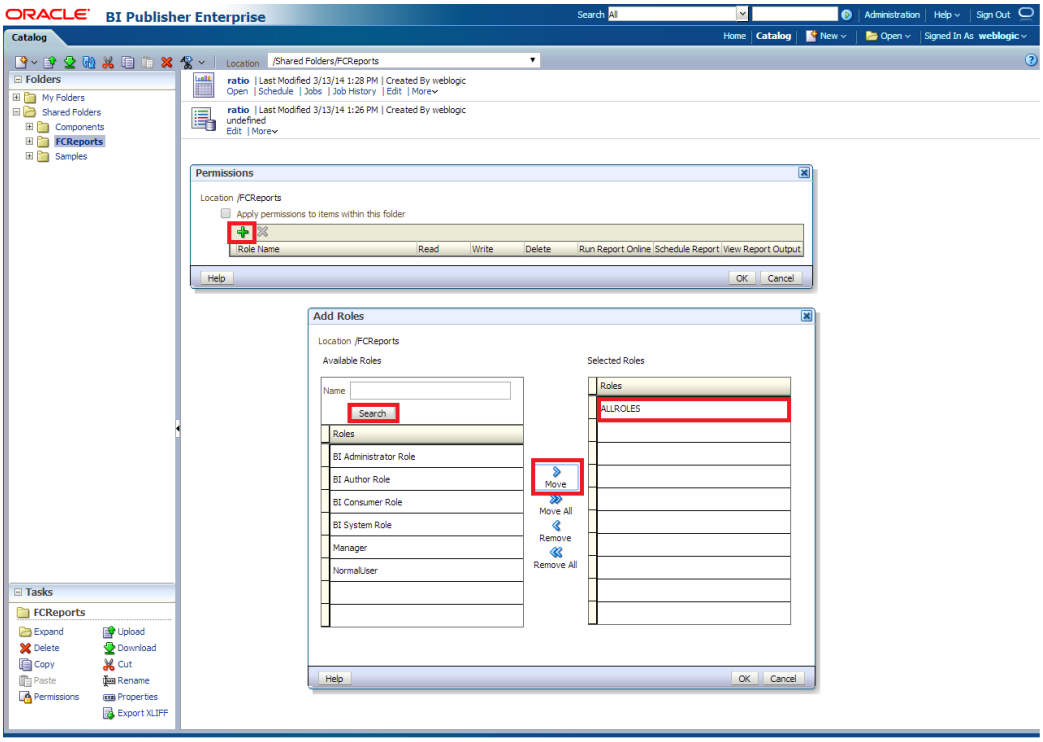
9) After getting information message like “A security added successfully”,
    - Login into the BIPublisher , http/s:<hostname>:<port>/xmlpserver
    - Click on the Administration .
    - Click on the Roles and Permission under Security center and check if the added role(in em) is displayed, If not restart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



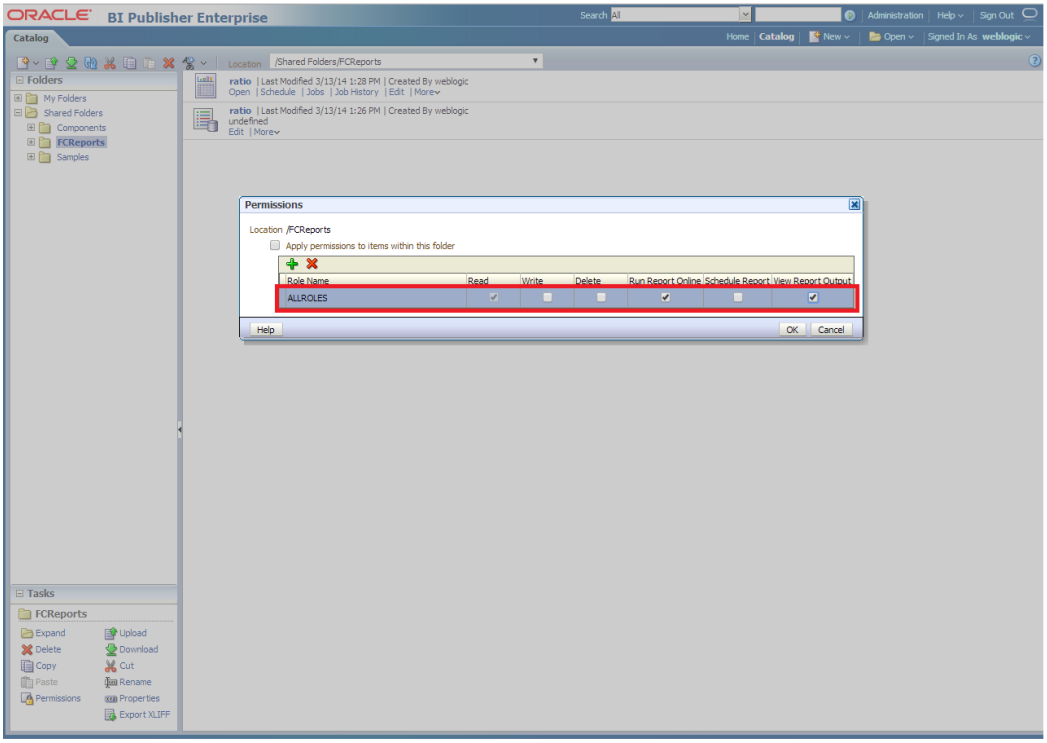
10) Then click on the Catalog , then on the folder that has been created , and then on permissions



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



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

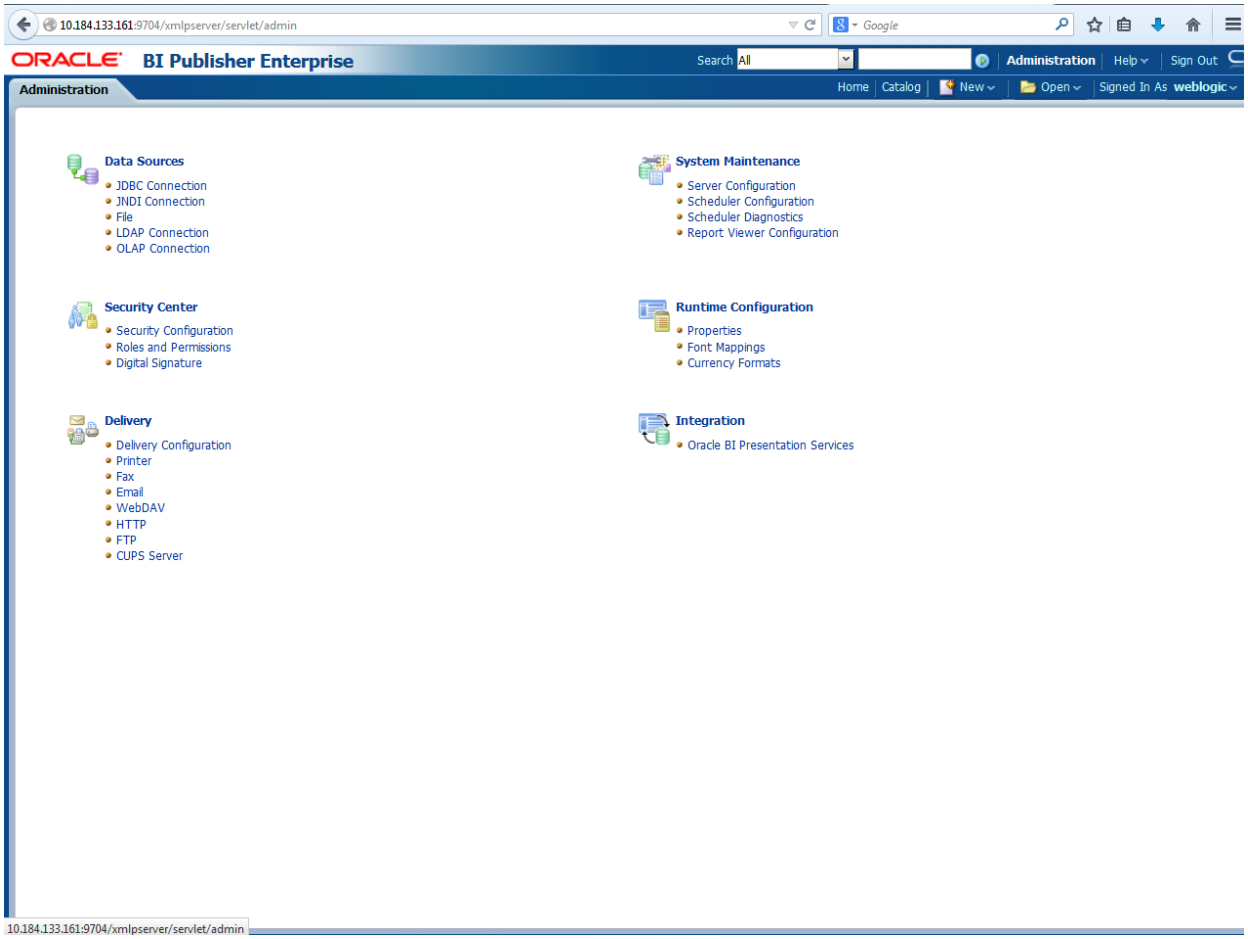


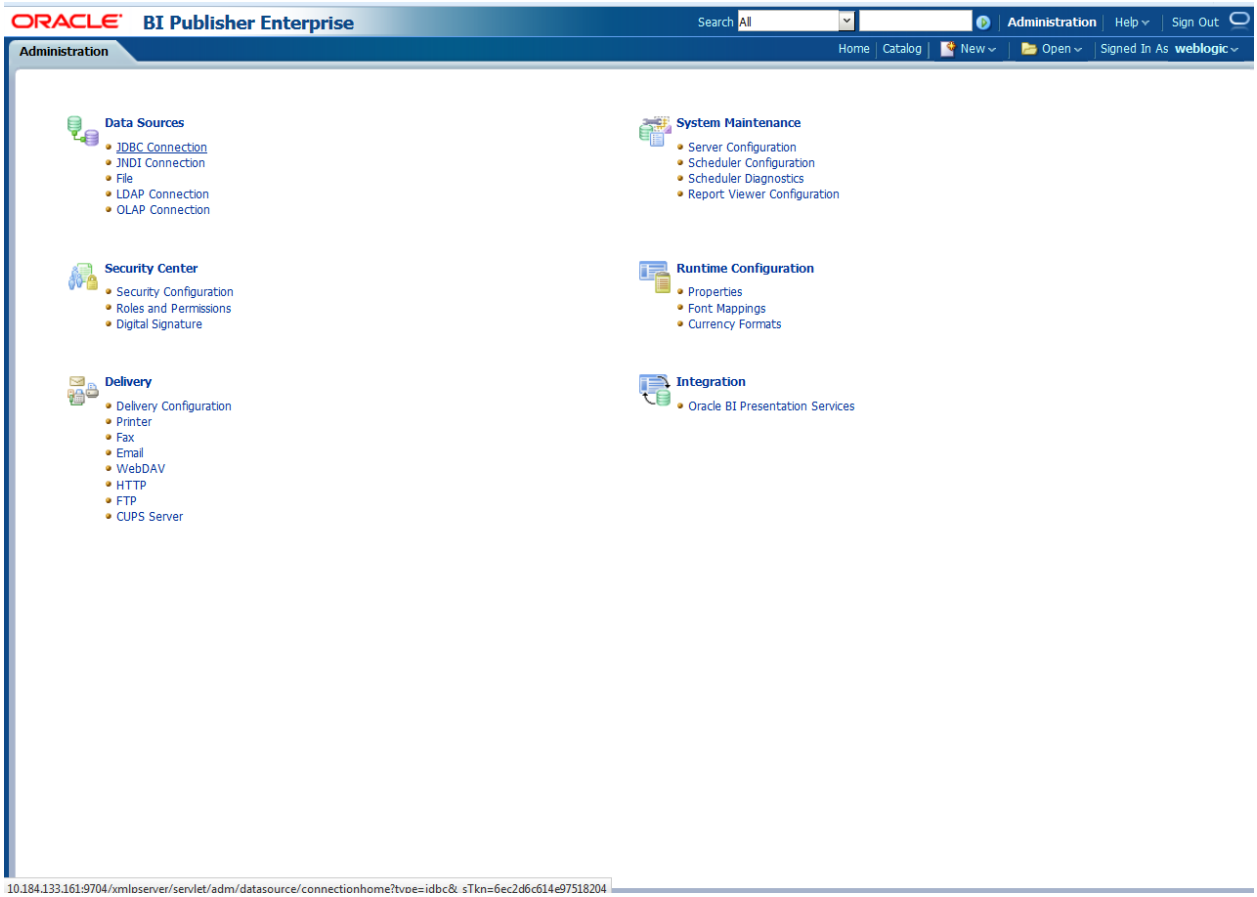
Now the reports in the folder will be accessed accordingly based on the roles.

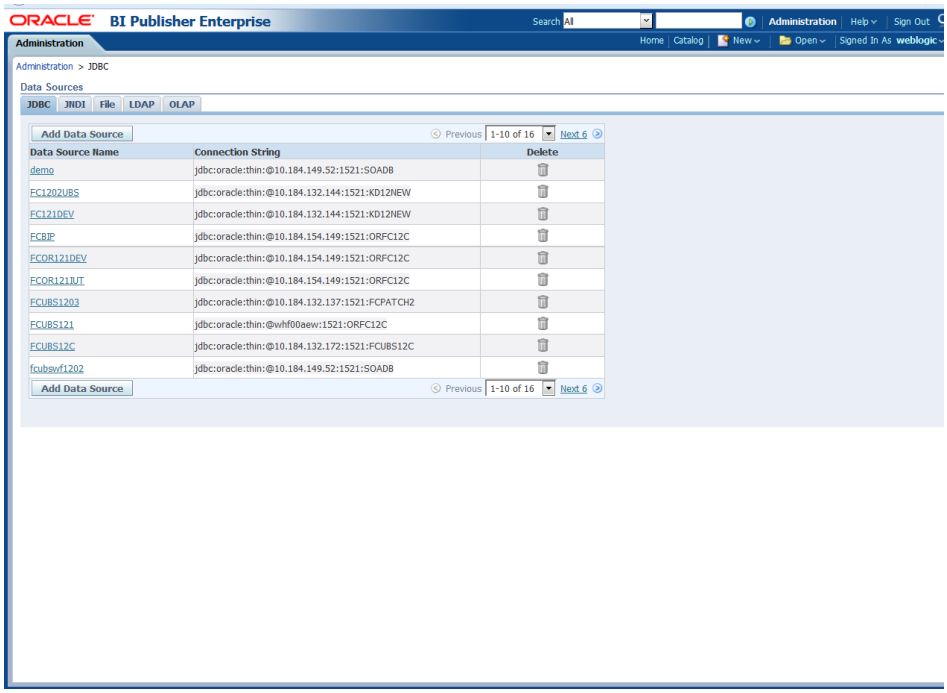
Note:

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

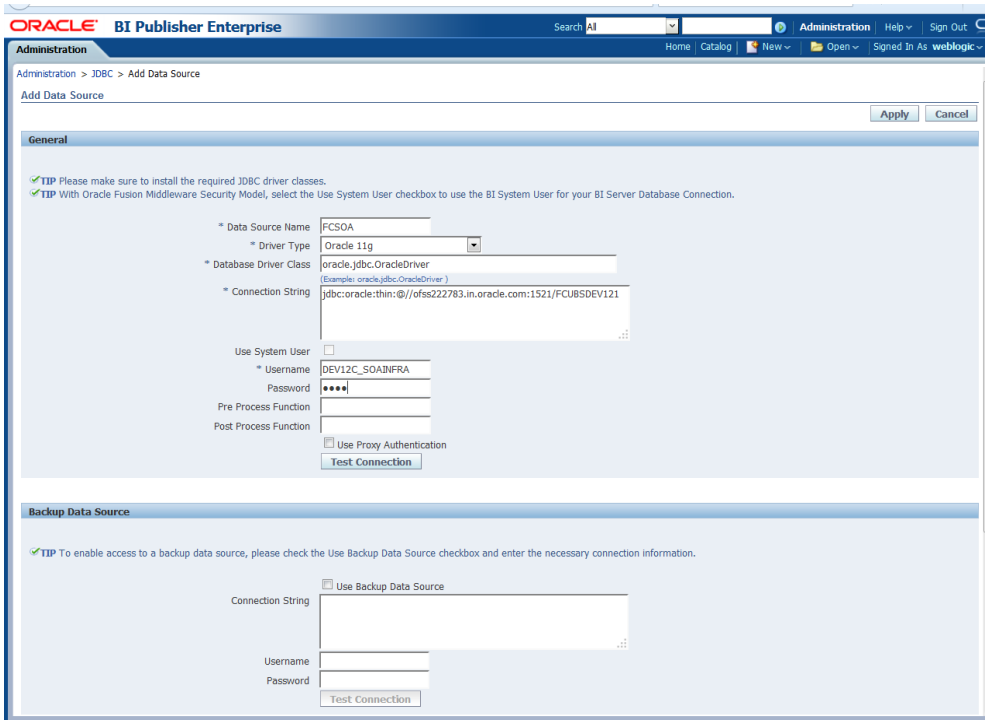
13. Please login in to Bi Publisher http://server:port/xmlpserver.
14. Click on Adminstration→ JDBC connection→Add Data Source



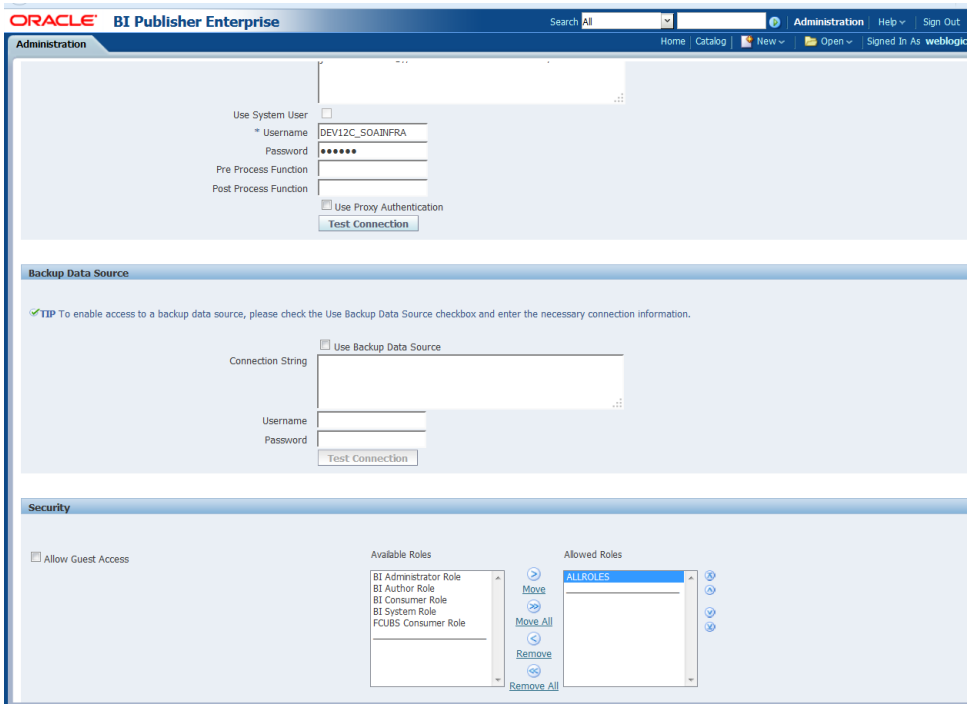

ORACLE BI Publisher Enterprise
Search All
Administration
Help
Sign Out
Administration
Home | Catalog | New | Open | Signed In As weblogic
Data Sources
JDBC Connection
JNDI Connection
File
LDAP Connection
OLAP Connection
System Maintenance
Server Configuration
Scheduler Configuration
Scheduler Diagnostics
Report Viewer Configuration
Security Center
Security Configuration
Roles and Permissions
Digital Signature
Runtime Configuration
Properties
Font Mappings
Currency Formats
Delivery
Delivery Configuration
Printer
Fax
Email
WebDAV
HTTP
FTP
CUPS Server
Integration
Oracle BI Presentation Services
10.184.133.161:9704/xmlpserver/servlet/adm/datasource/connectionhome?type=jdbc&_sTkn=6ec2d6c614e97518204


ORACLE BI Publisher Enterprise
Search All
Administration
Help
Sign Out
Administration
Home | Catalog | New | Open | Signed In As weblogic
Administration > JDBC
Data Sources
JDBC
JNDI
File
LDAP
OLAP
Add Data Source
Previous 1-10 of 16 Next 6
Data Source Name
Connection String
Delete
demo jdbc:oracle:thin:@10.184.149.52:1521:SOADB
FC1202UBS jdbc:oracle:thin:@10.184.132.144:1521:KD12NEW
FC121DEV jdbc:oracle:thin:@10.184.132.144:1521:KD12NEW
FCBJP jdbc:oracle:thin:@10.184.154.149:1521:ORFC12C
FCOR121DEV jdbc:oracle:thin:@10.184.154.149:1521:ORFC12C
FCOR121IUT jdbc:oracle:thin:@10.184.154.149:1521:ORFC12C
FCUBS1203 jdbc:oracle:thin:@10.184.132.137:1521:FCPATCH2
FCUBS121 jdbc:oracle:thin:@whf00aew:1521:ORFC12C
FCUBS12C jdbc:oracle:thin:@10.184.132.172:1521:FCUBS12C
fcubswf1202 jdbc:oracle:thin:@10.184.149.52:1521:SOADB
Add Data Source
Previous 1-10 of 16 Next 6

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



16. Add the fcubs roles to allowed Roles under security

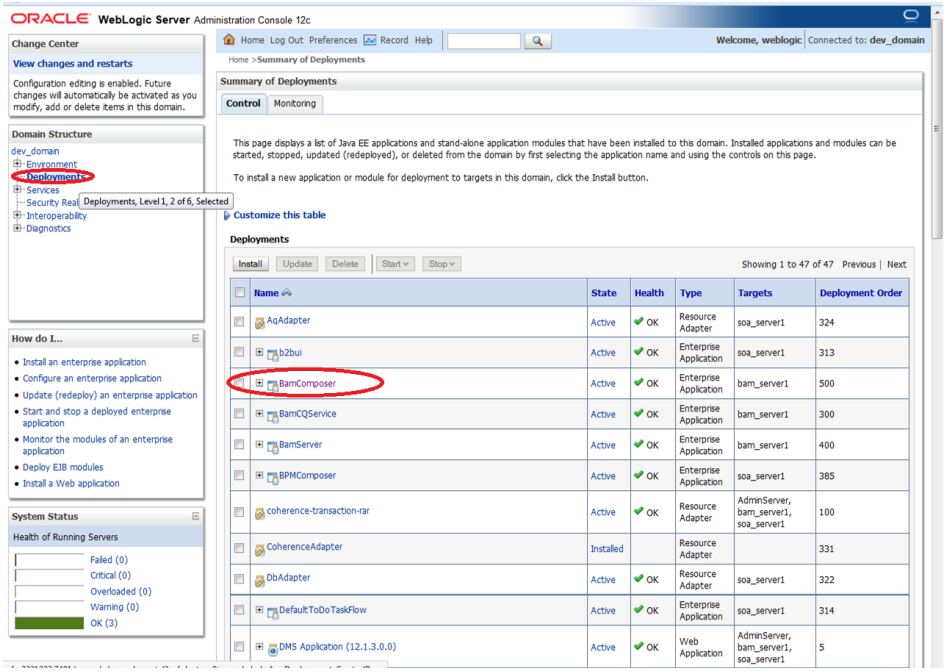


17. Click on test connection .once the connection is established succesfuly .Click on Apply.

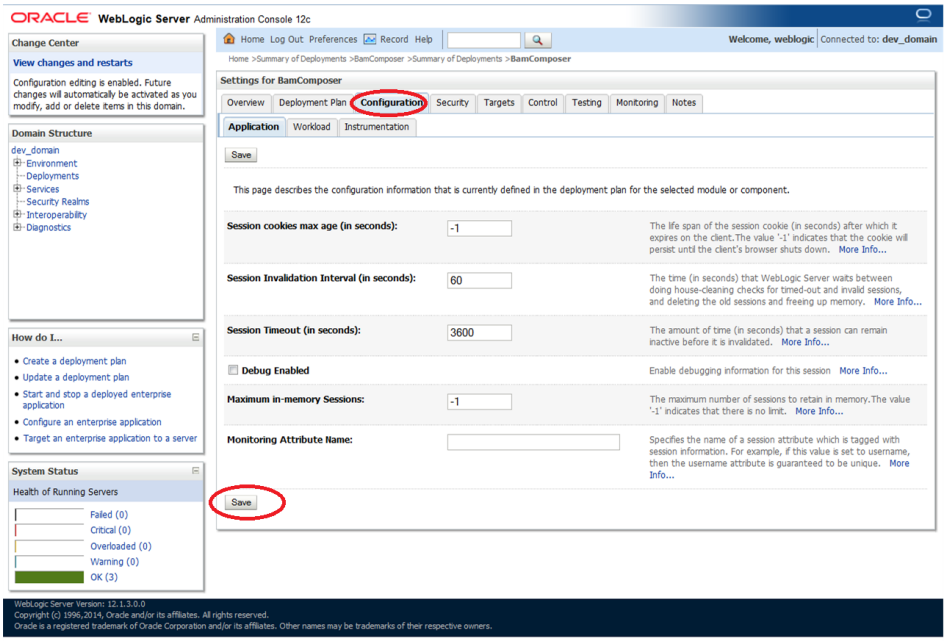
18. Please follow the steps 15 to 17 to create data source for FCUBS Schema and give the name as FCBIPBPEL

1.2.9 BAM Report Configuration settings

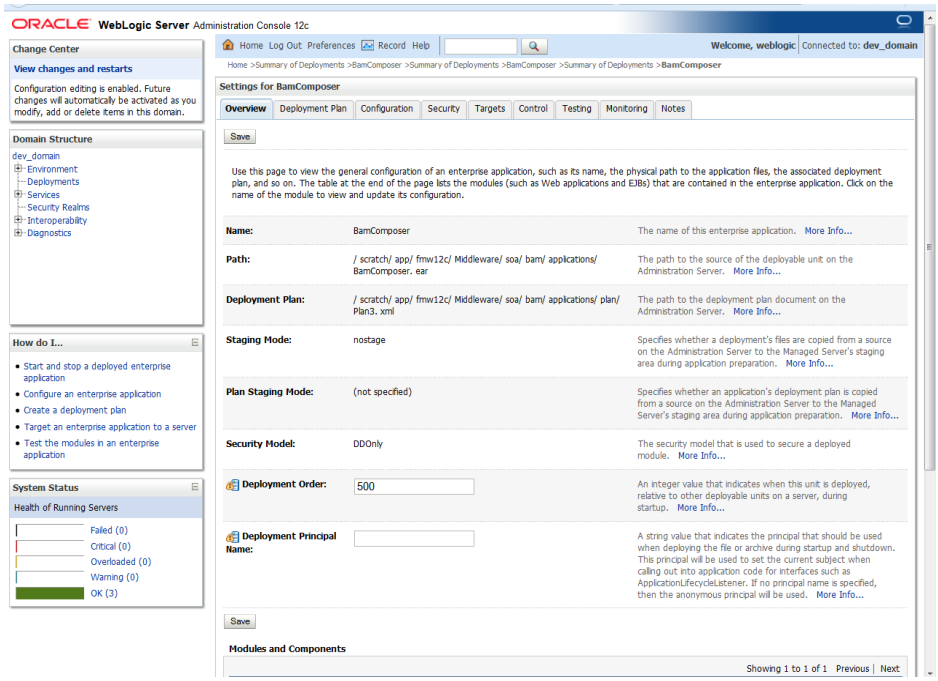
1. Generate a deployment plan for BAM Composer Application.
2. Login in to console http://hostname:port/console
3. Click on Deployments→click on BAM Composer



4. click on Configuration Configuration →Save



5. Click on Overview→check the deployment plan location



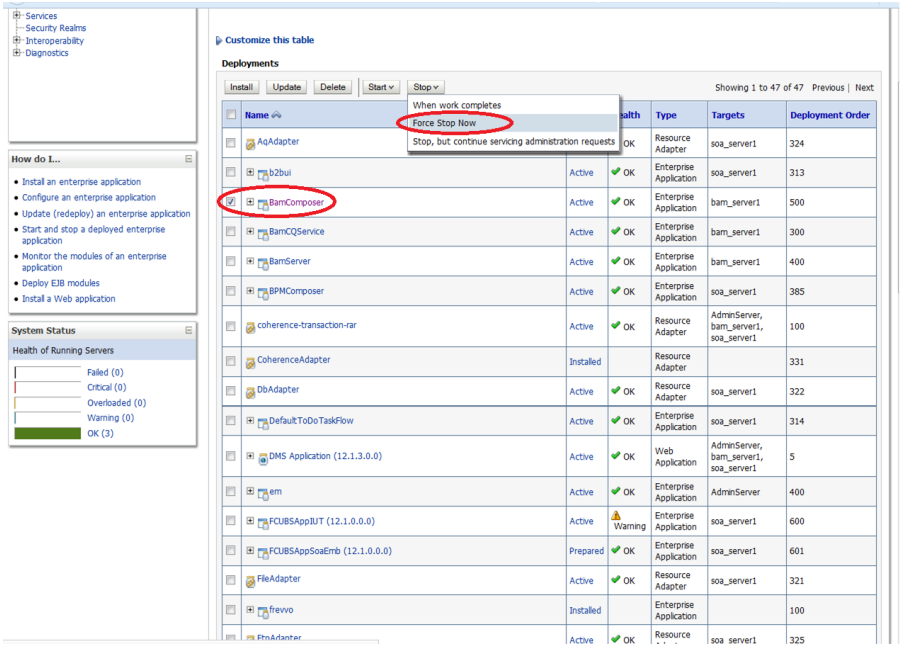
6. Add variable and variable assignment as below to the Plan.xml in <module-name>BamComposerWeb.war</module-name> and for reference please find plan.xml file.

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

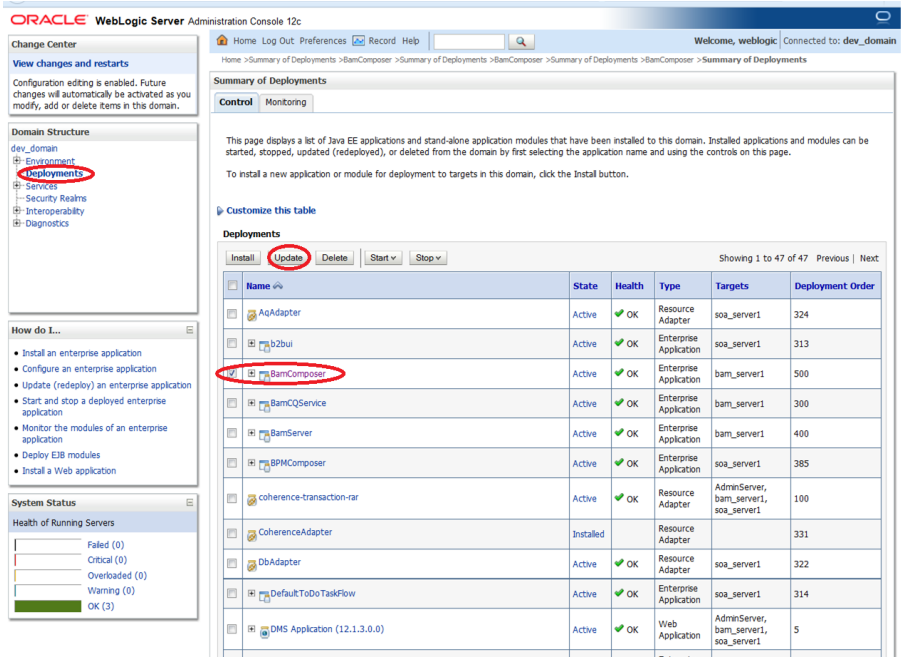
```
      <value>never</value>
    </variable>
<module-descriptor external="true">
      <root-element>web-app</root-element>
      <uri>WEB-INF/web.xml</uri>
              <variable-assignment>
        <name>oracle.adf.view.rich.security.FRAME_BUSTING</name>
        <xpath>/web-app/context-param/[param-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

Plan3.xml

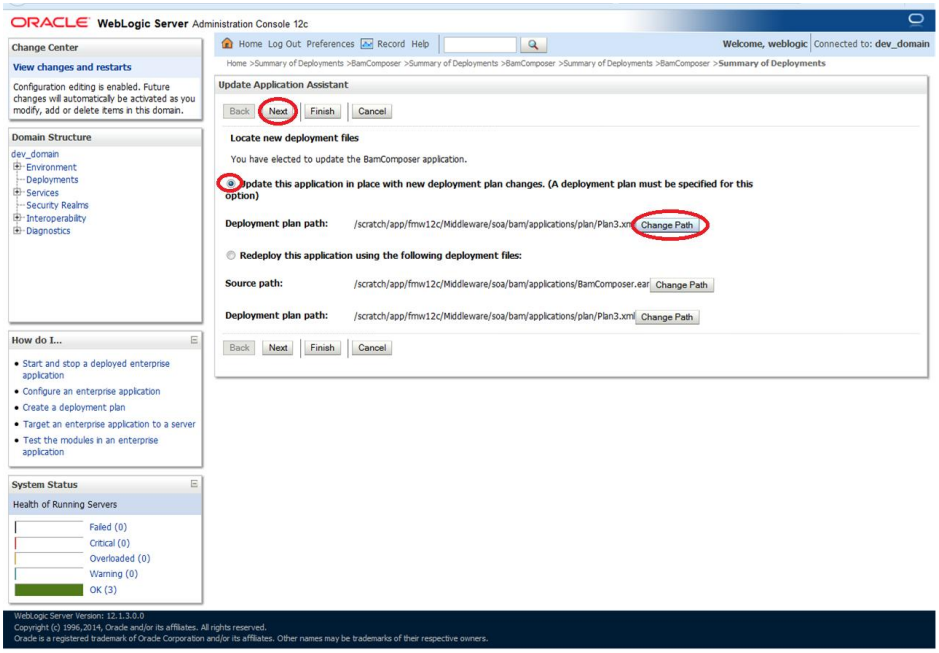
7. Stop the BAM composer application in console.



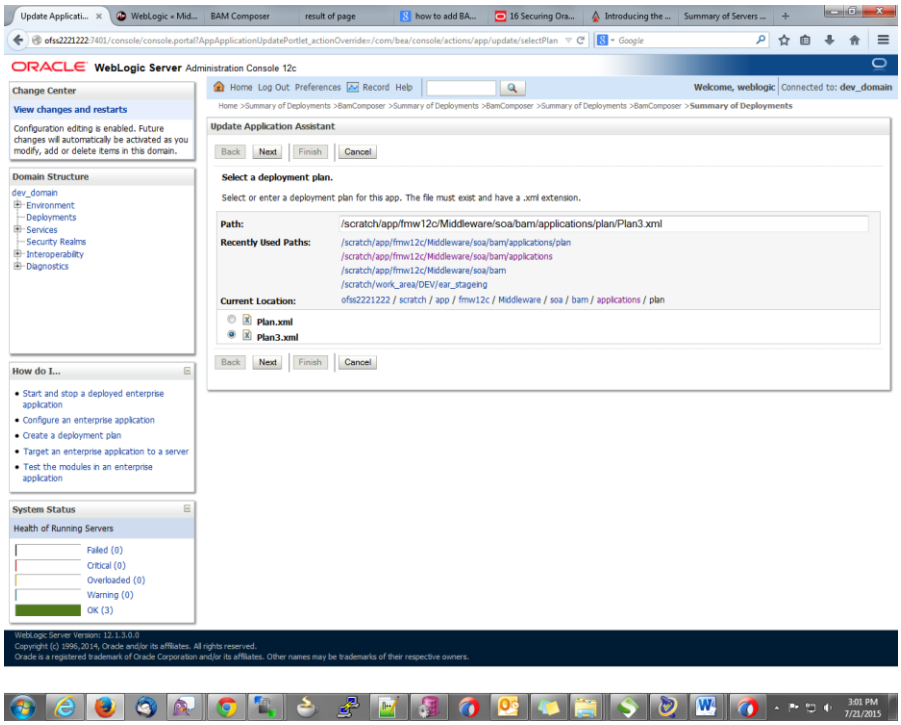
8. Update the deployment plan.
9. Click on deployments →click on BAM Composer checkbox →Click on update

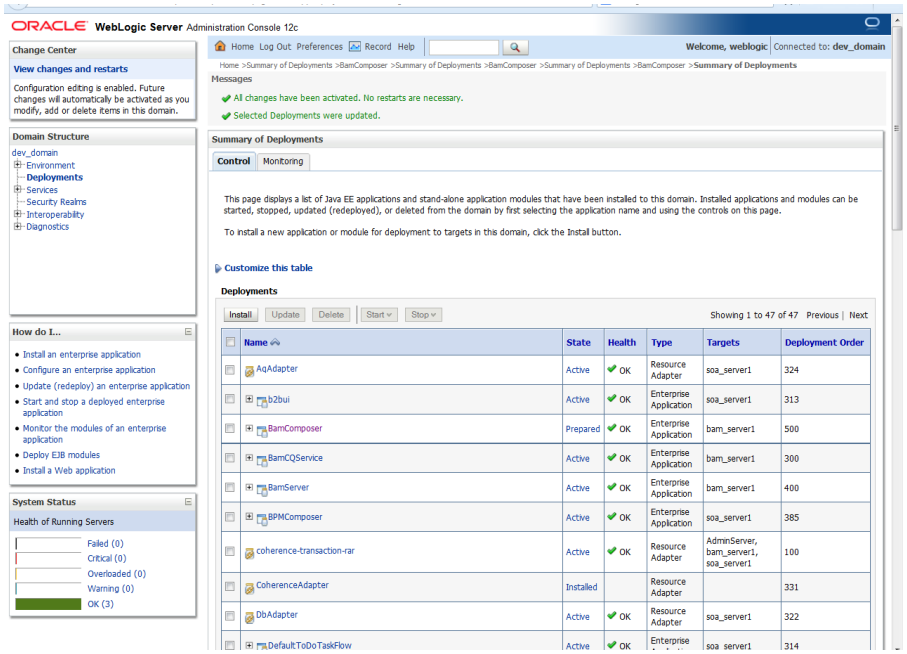


10. select the Update this application in place with new deployment plan changes and click on change path button.

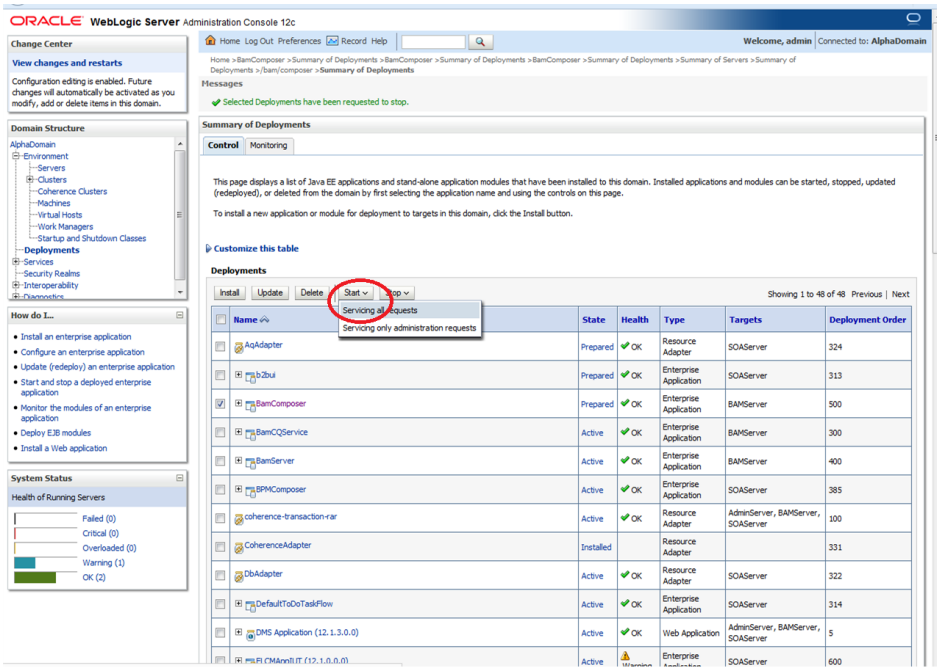


11. Select the latest plan.xml in the in the path→next→next→Finish



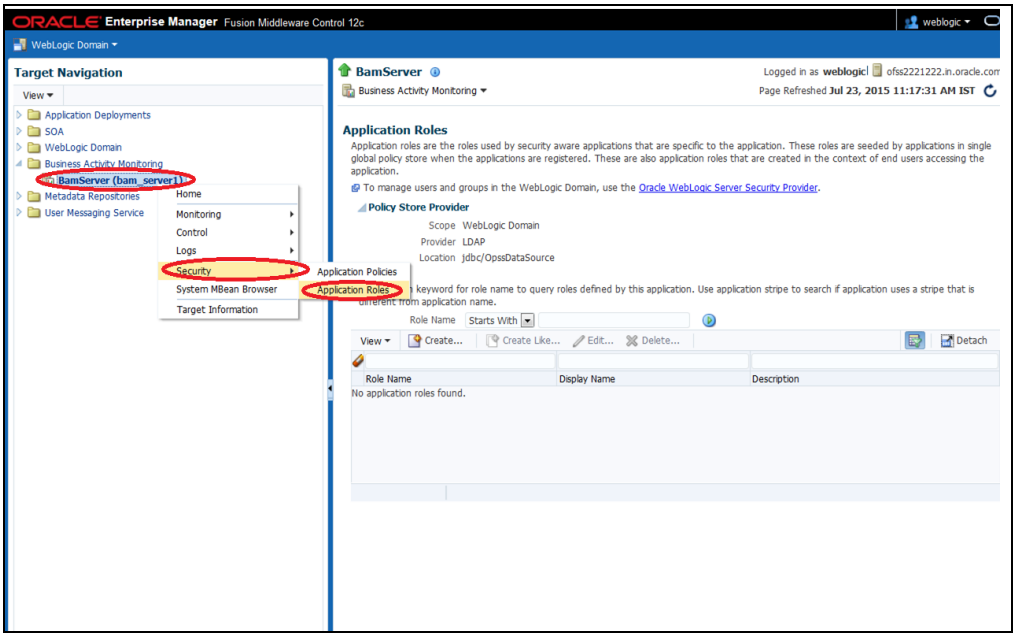


12. Restart the BAM Composer application in the console

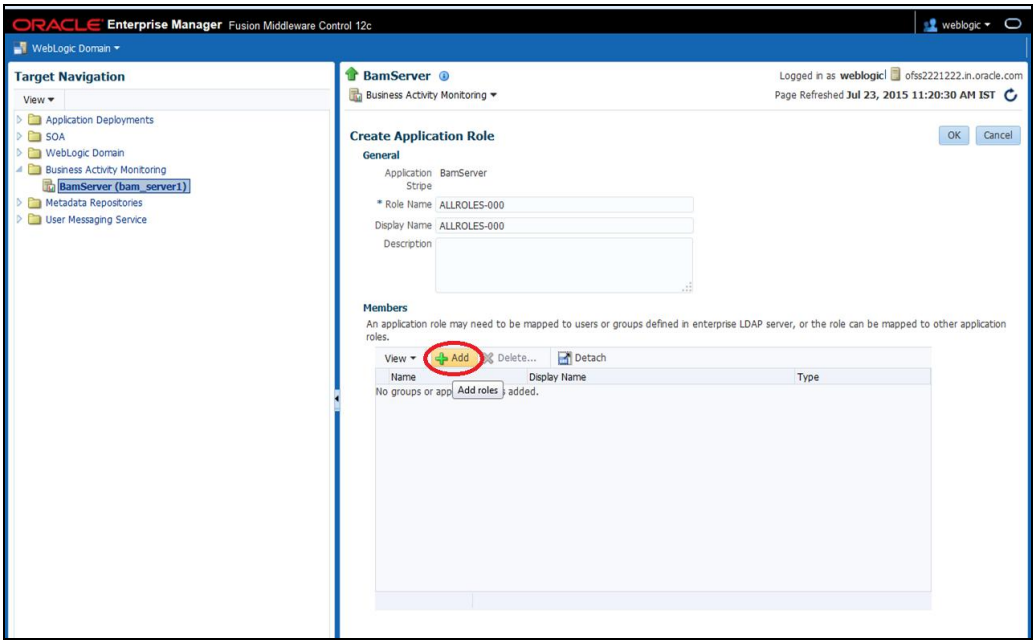


13. Login in to them console http://hostname:port/em

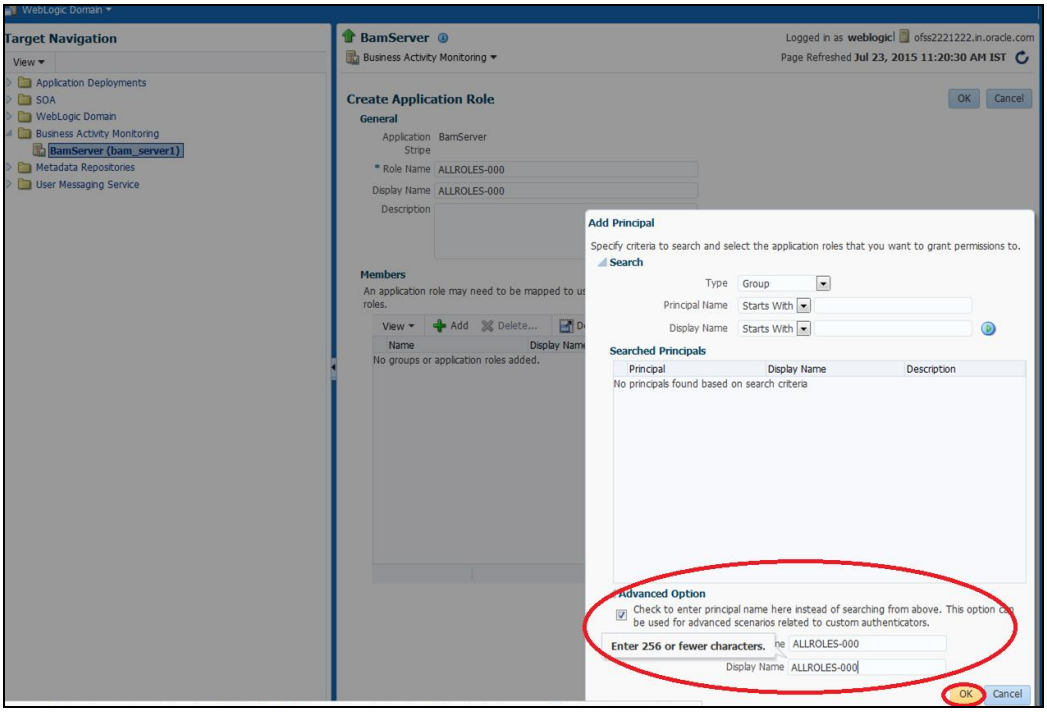
14. Right Click on BAM Server→Security→Application Roles



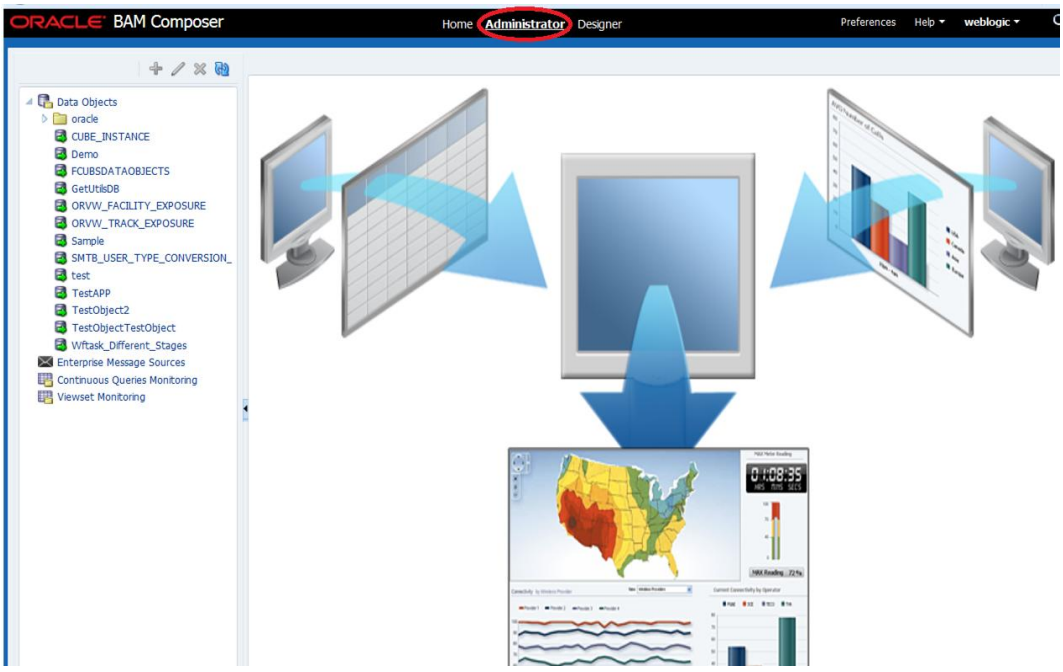
15. Click on Create → create application role with ALL ROLES-000→Click on ADD button in the Members



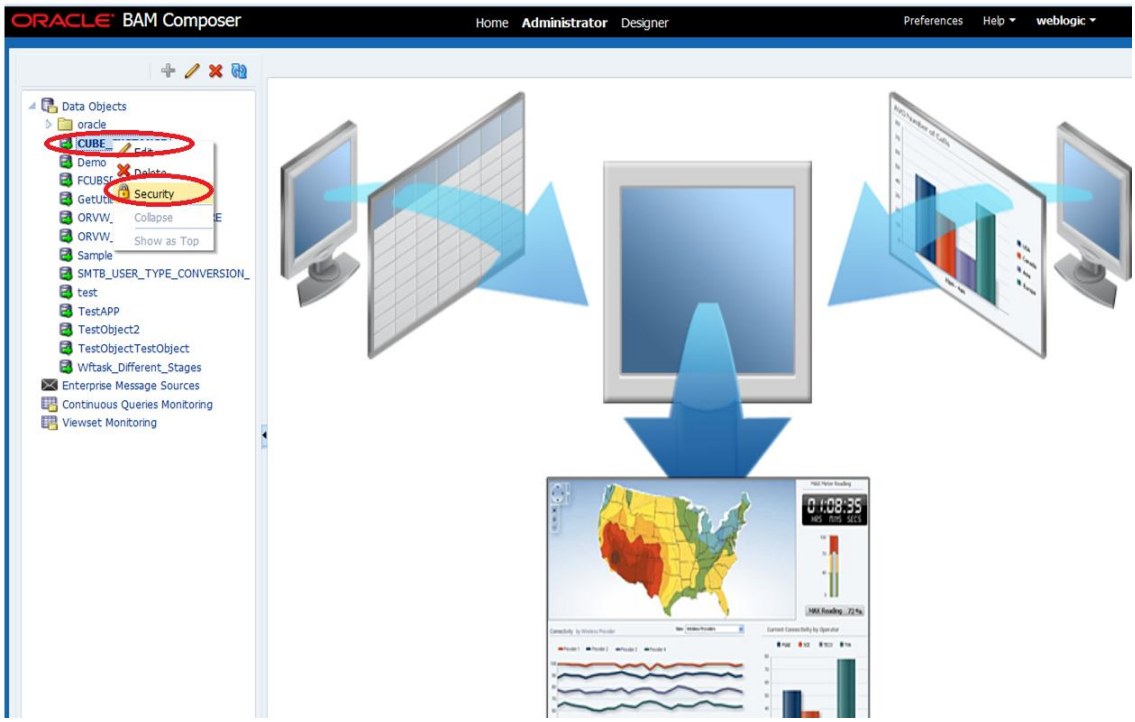
16. Select the Type as Group and add principle details be referring the below screen shot.



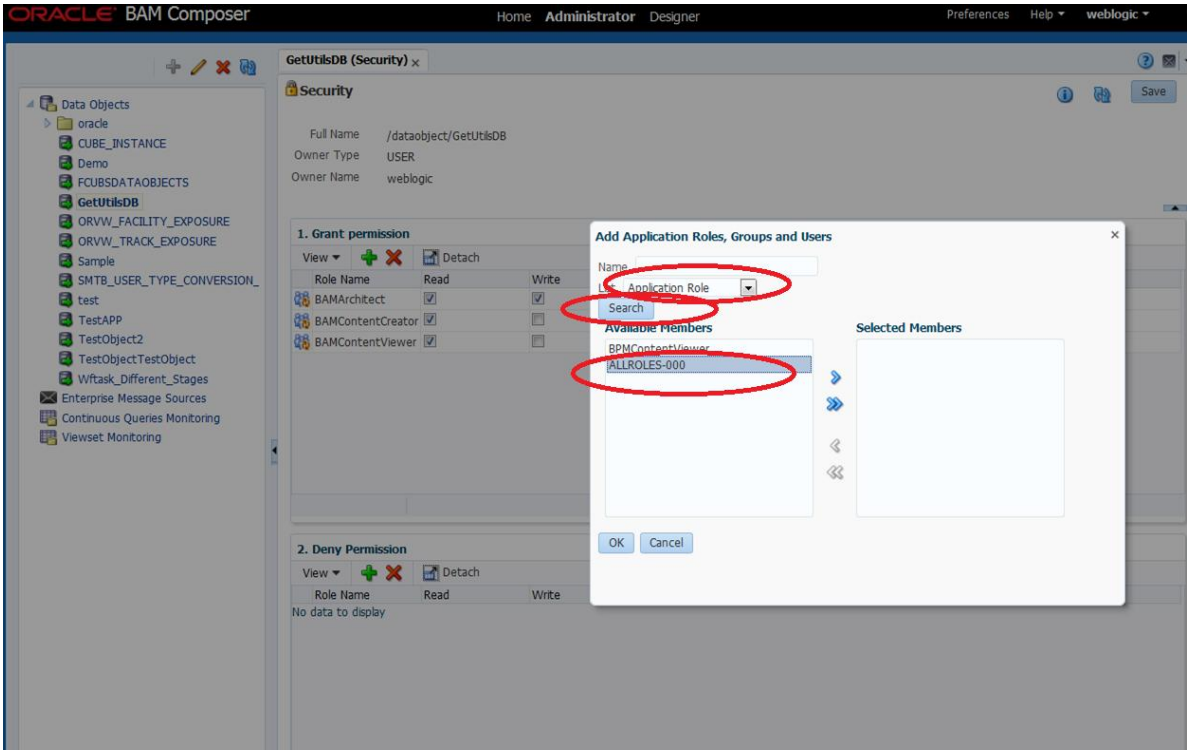
17. Login to BAM Composer → http://hostname:port/bam/composer--> Click on Administrator.



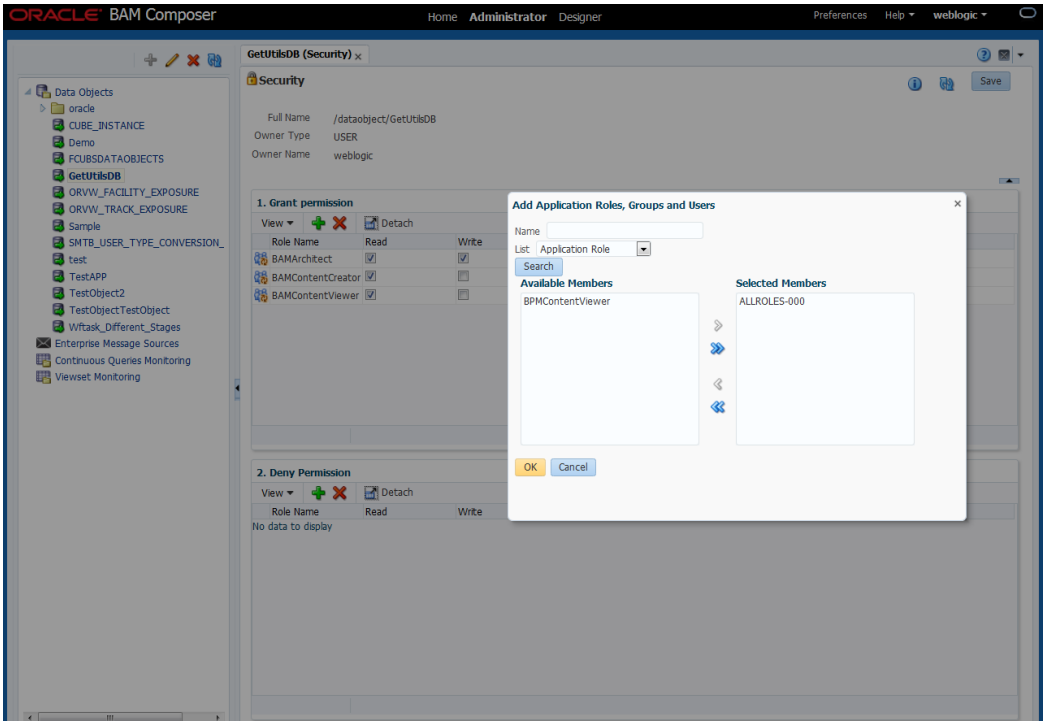
18. Go to Data Object→Right Click on CUBE_INSTANCE→Security



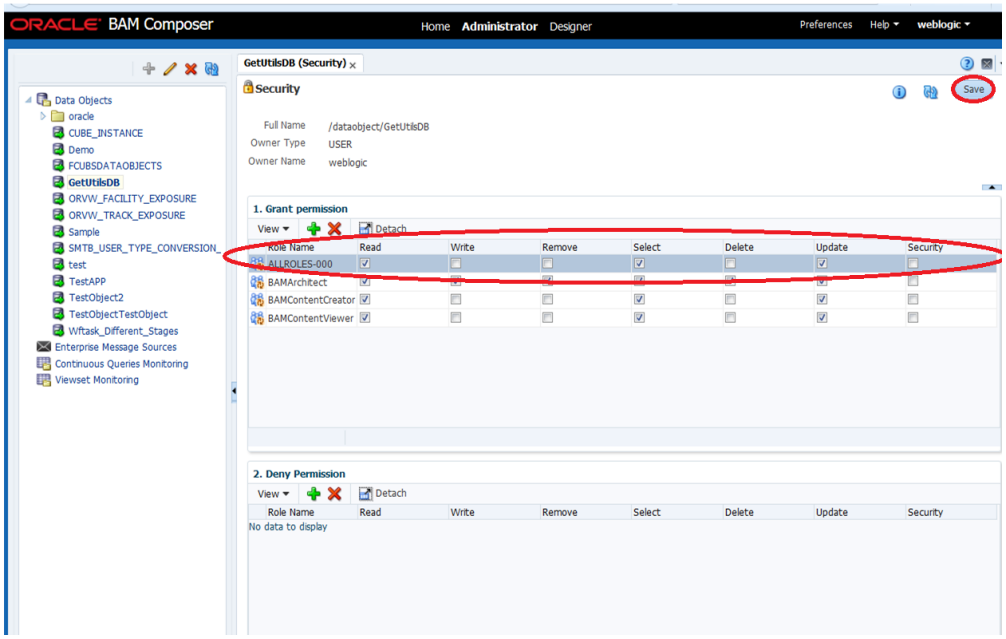
19. Click on Add button under Grant permission and search the list based on the Application Role



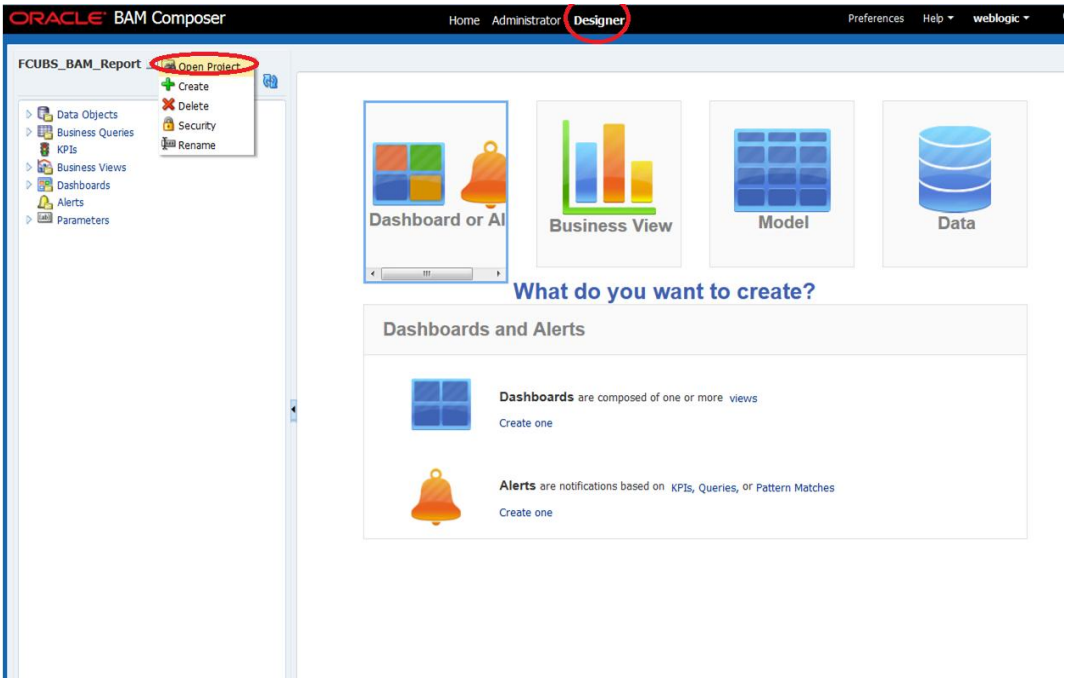
20. Move the ALLROLES-000 to selected members.



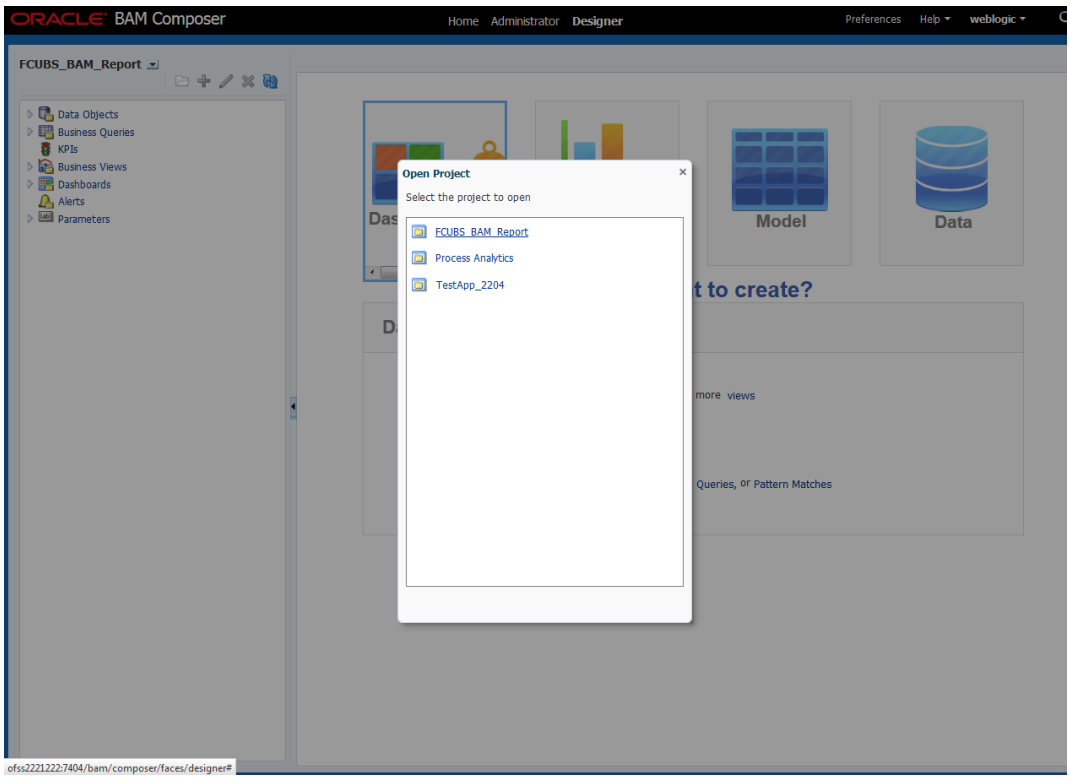
21. Click on read ,select and Update check boxes →Click on Save.



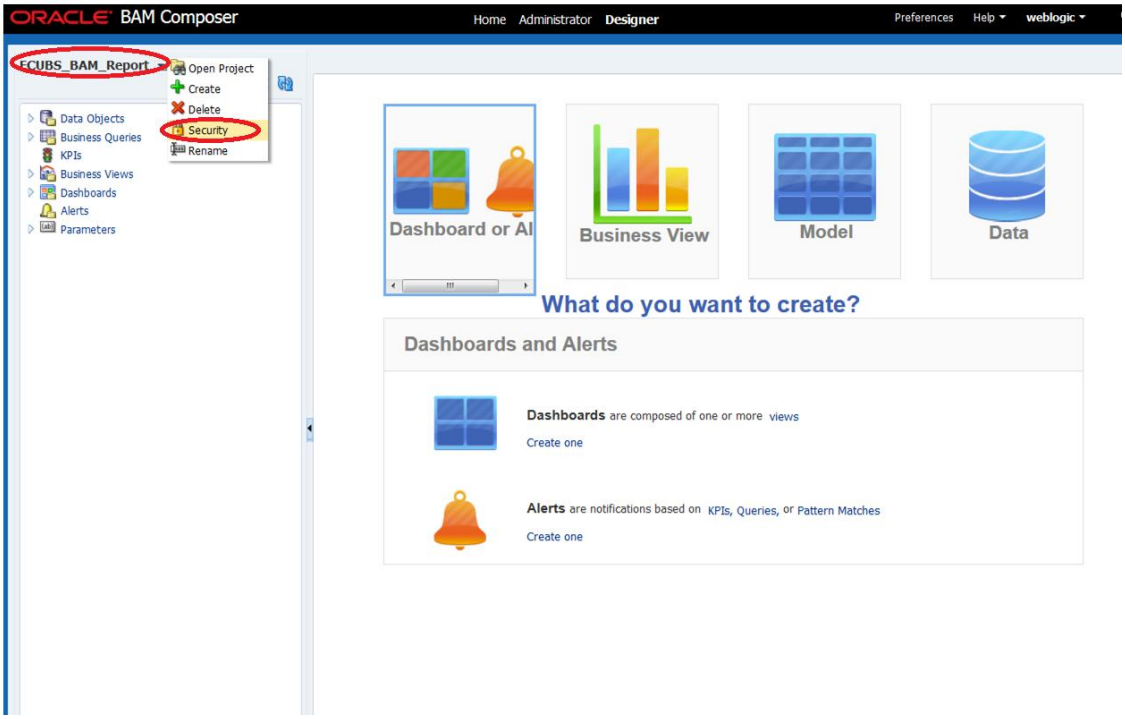
22. Follow the step 17 to 21 for other Data objects also.(cube_instance,wftask_different_stages, ORVW_TRACK_EXPOSURE, ORVW_FACILITY_EXPOSURE, GetUtilsDB, SMTB_USER_TYPE_CONVERSION_VIEW, FCUBSDATAOBJECTS).
23. Click on Designer →open Project



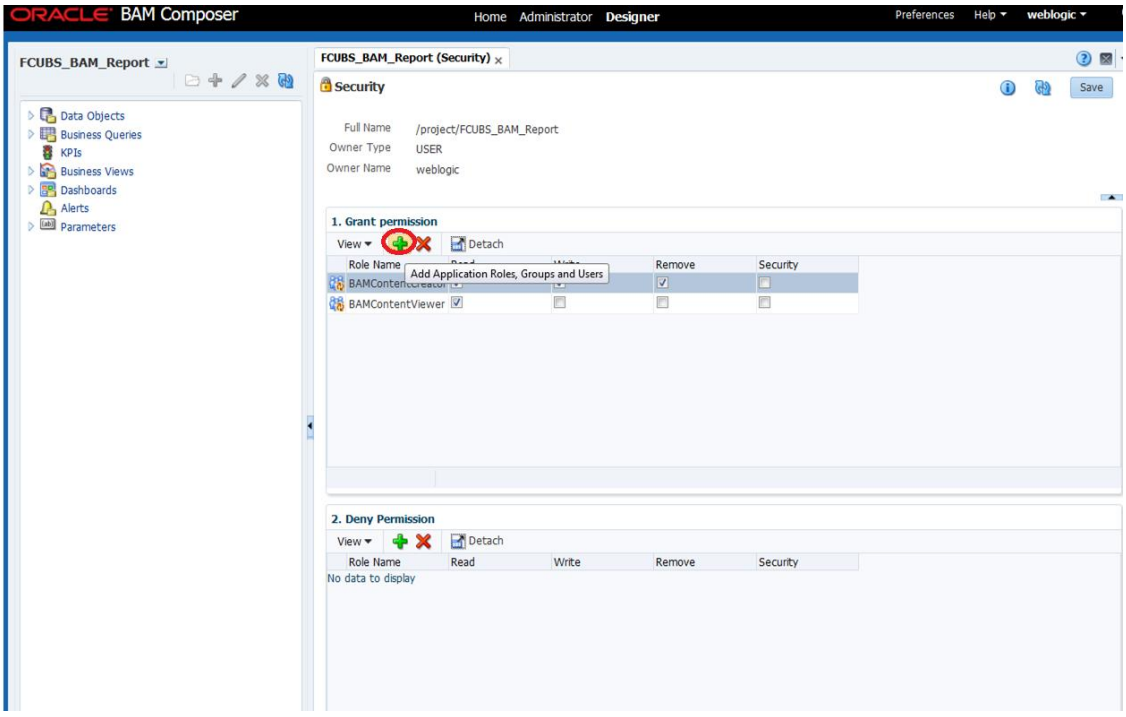
24. Click on FCUBS_BAM_report

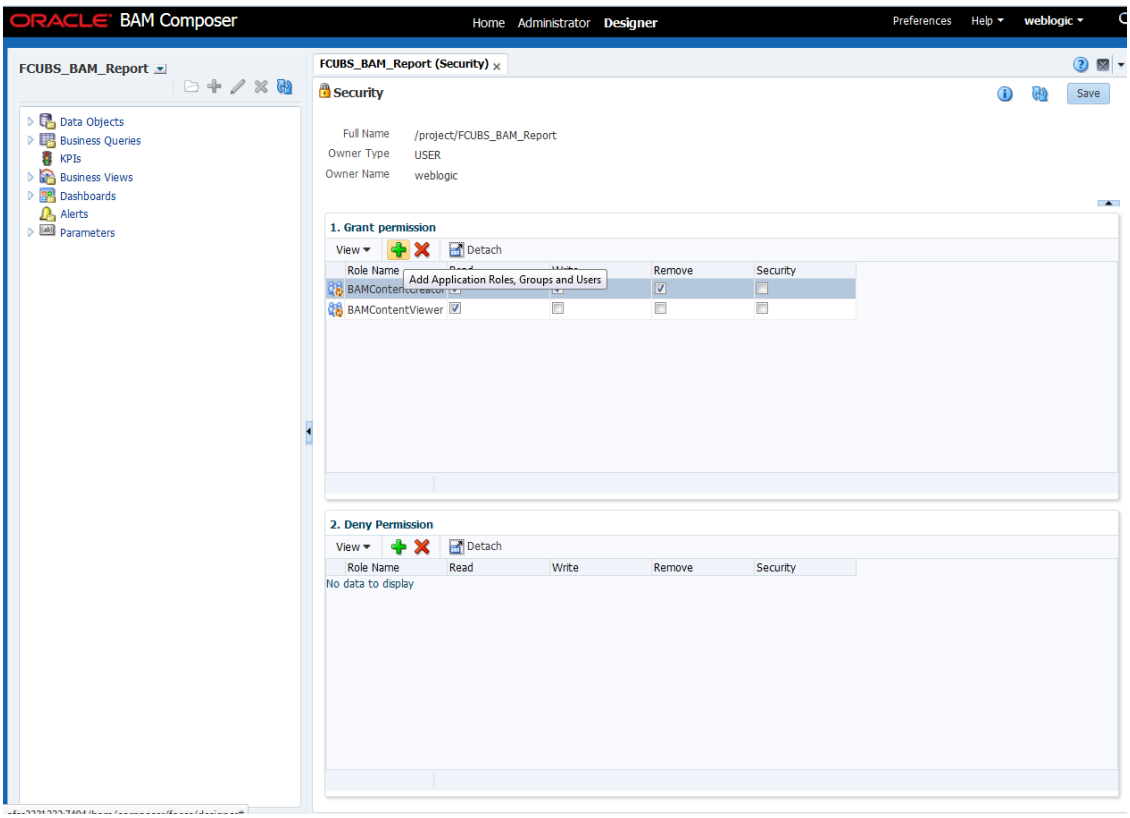


25. click on FCUBS_BAM_Report →Security

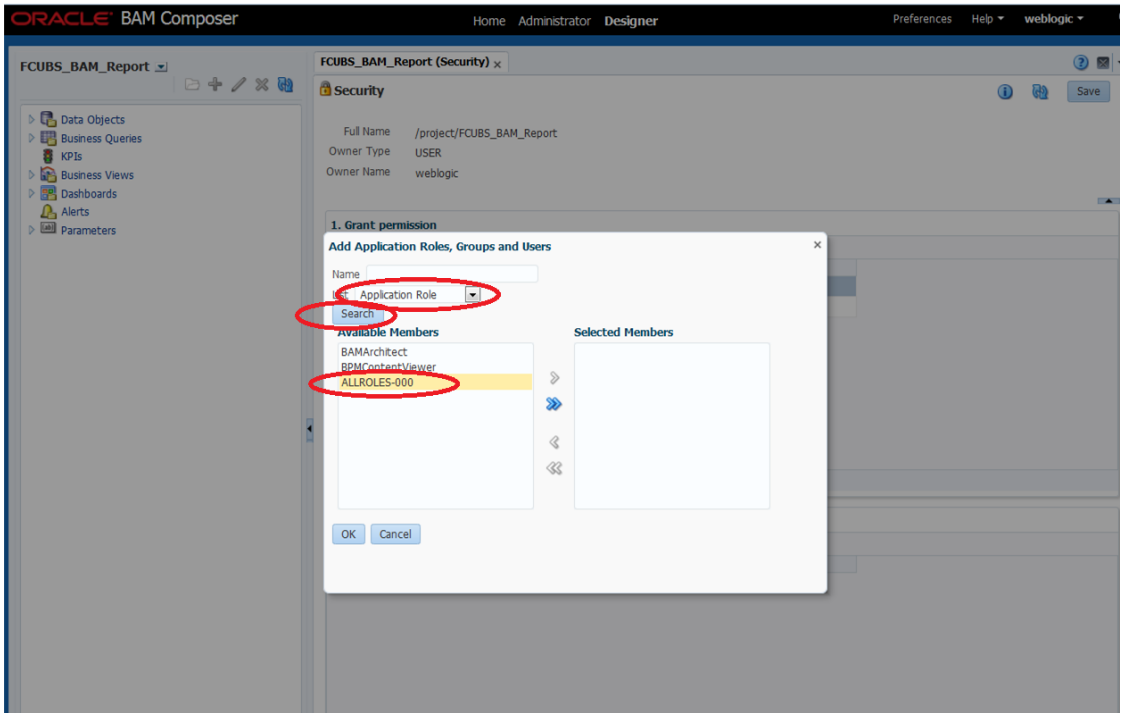


26. Click on ADD button Under Grant Permission.

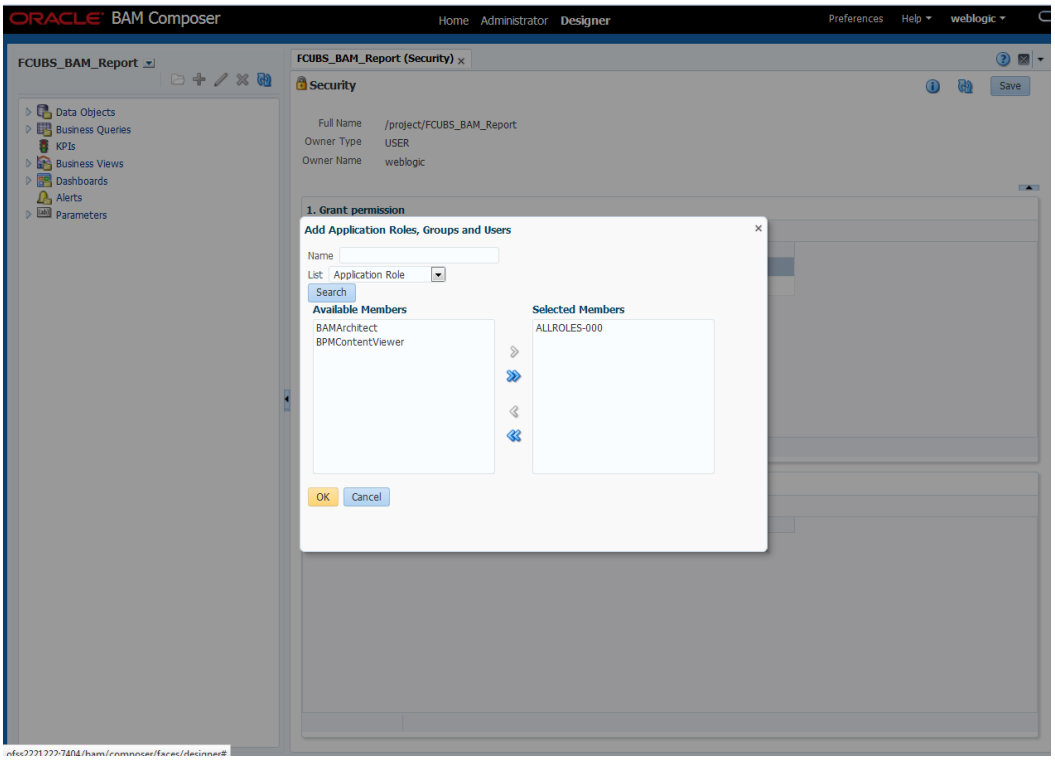




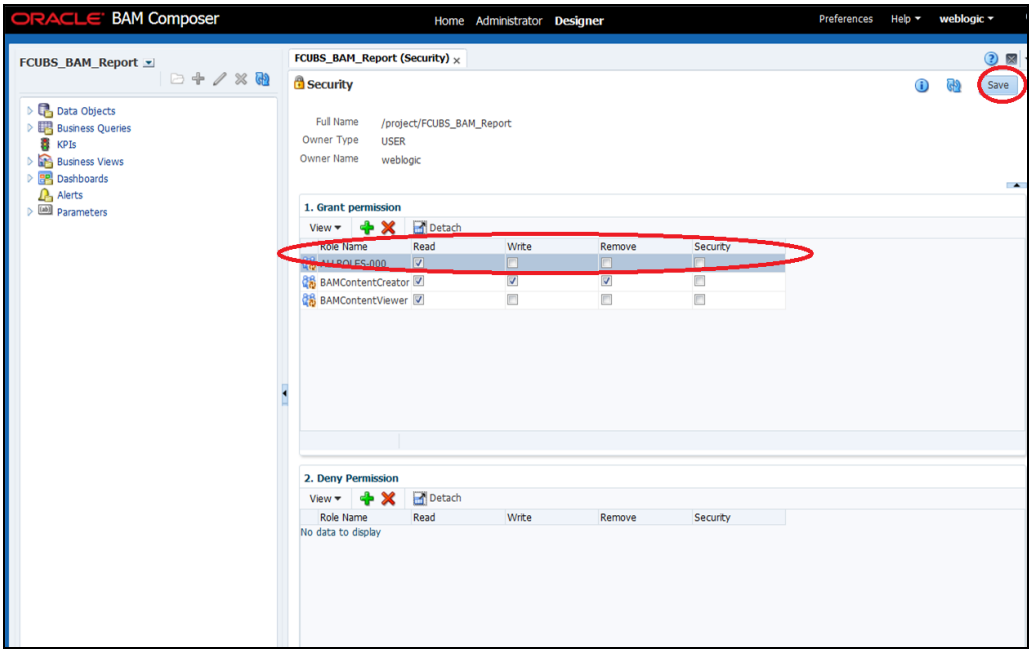
27. Search the List based on the Application Roles and Select the ALLROLES-000



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



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



1.2.10 IPM configuration to edit the document

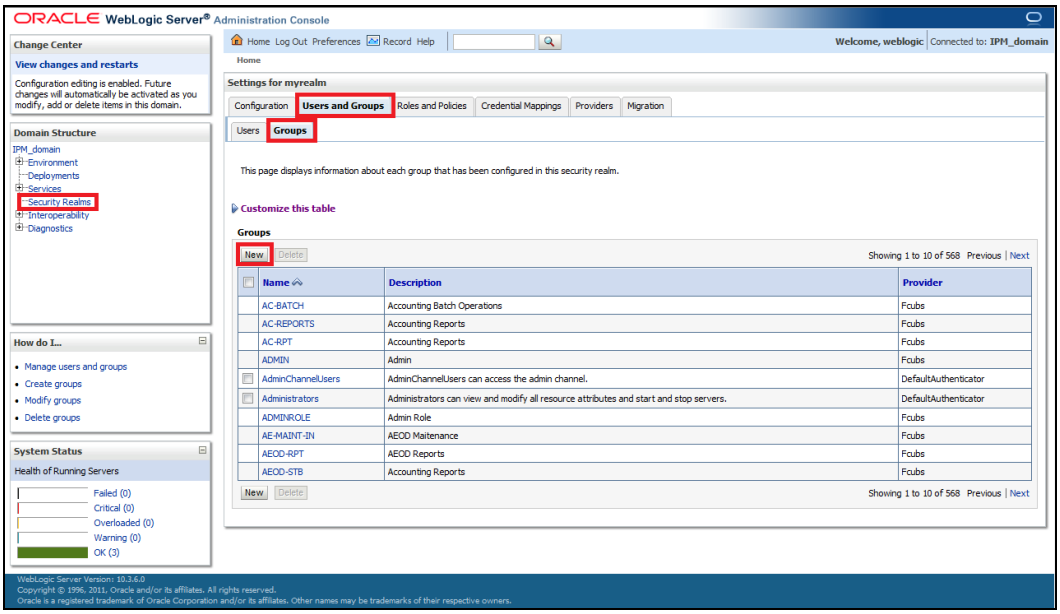
1) Login to the console, http/s:<hostname>:<port>/console with admin user

2) Follow the step 1.2.1 to add the “FCJCustomProvider”.

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

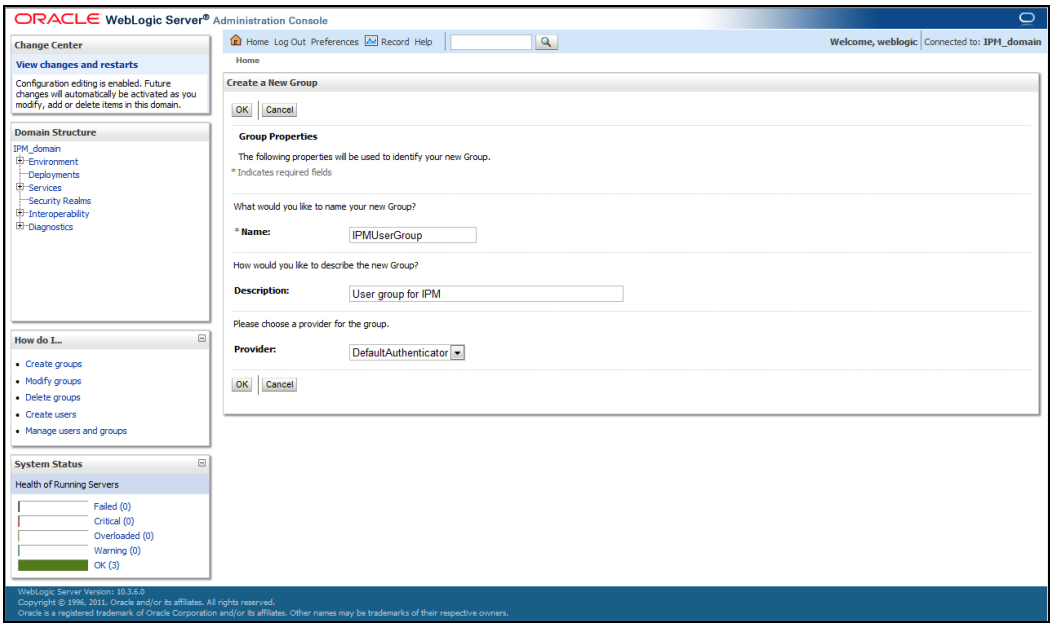
3) After adding the custom authenticator,

   - Navigate to security realms >my realm > Users and Groups > Groups.
   - Click on the New button.

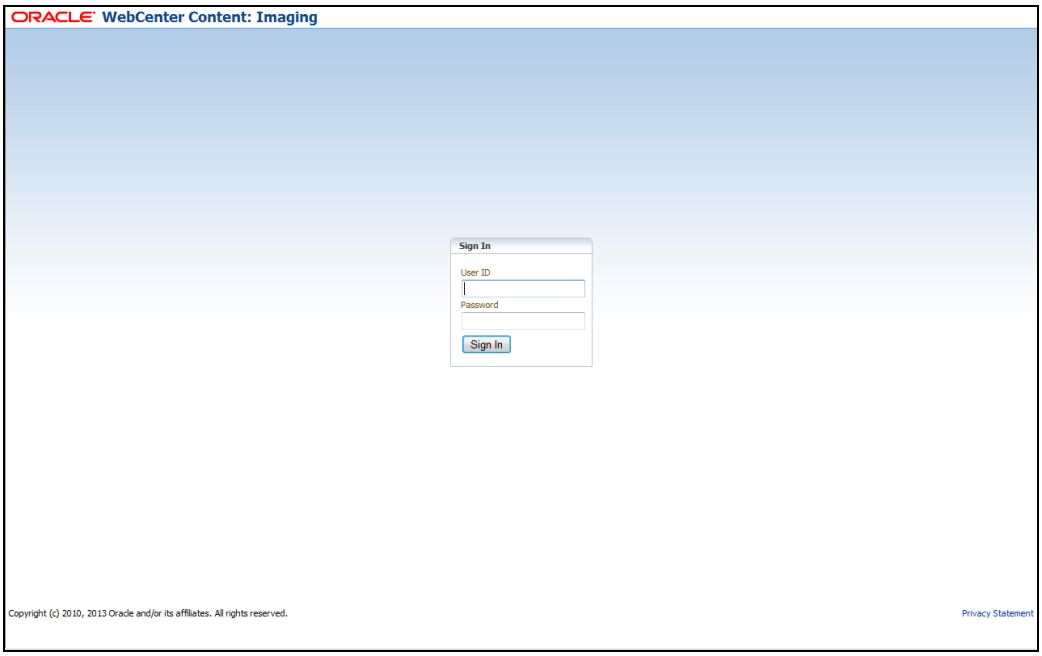


4) After Clicking on the new button,

   - Enter the name as “IPMUserGroup”
   - Description for it (optional)
   - And select the authenticator as “DefaultAuthenticator”
   - And then click “Ok”



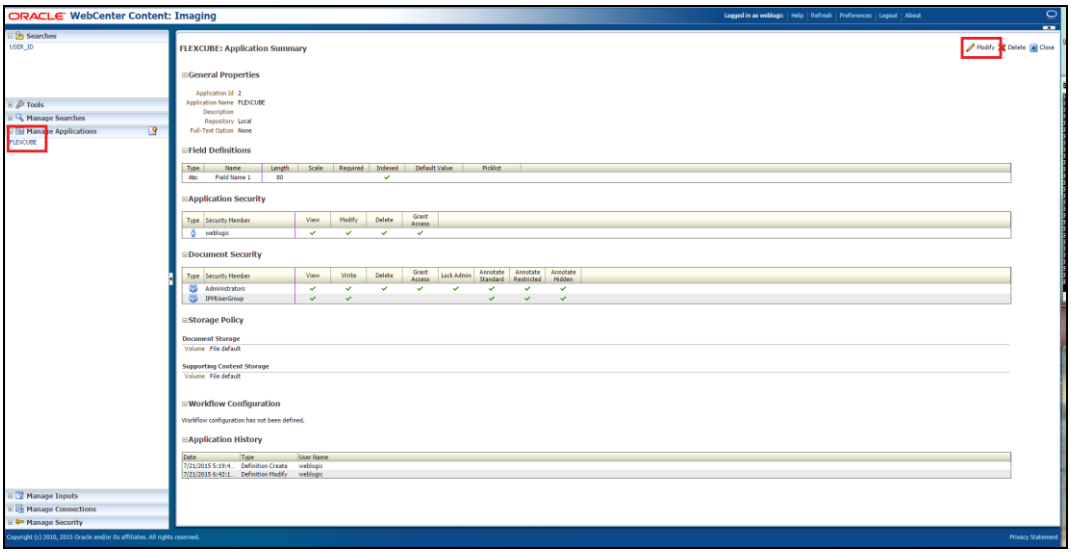
5) Login to the Imaging URL http/s:<hostname>:<port>/imaging with admin user



a. Navigate to Manage Applications

b. Click on the FLEXCUBE

c. Then click on the modify on the right pane



6) After clicking on the modify button,

   a. Navigate to Document Security

   b. Click on Add button

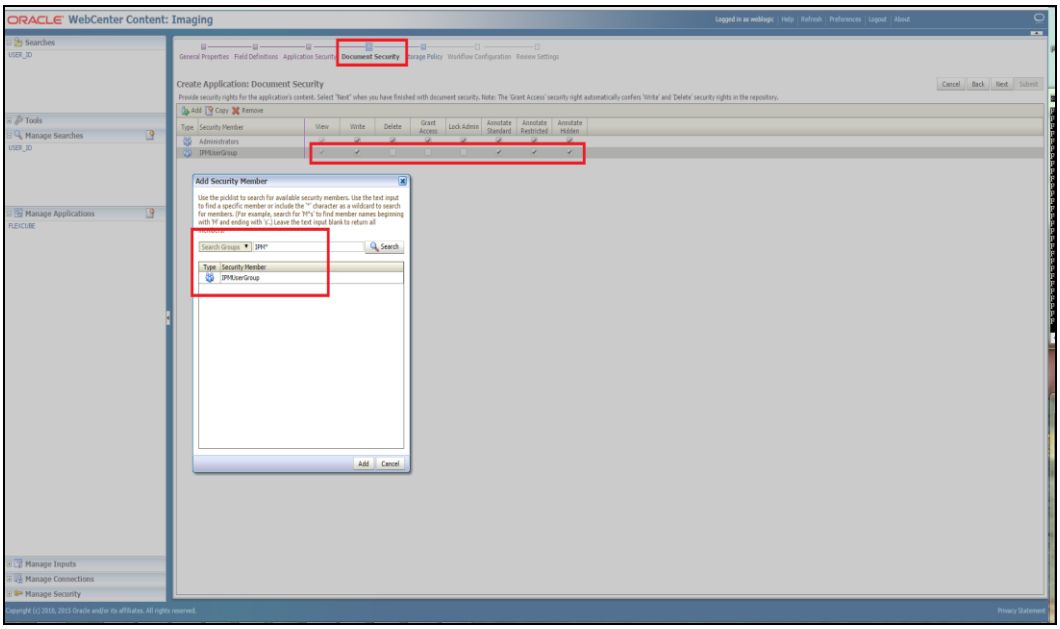
   c. Click on Search button in the pop up window

   d. Select the “IPMUserGroup”

   e. Click on Add

   f. IPMUserGroup will be listed in the panel, select view ,write,annotate Standard,Annotate Restricted and Annotate Hidden checkboxes.

   g. Finally click on the submit button on the right corner

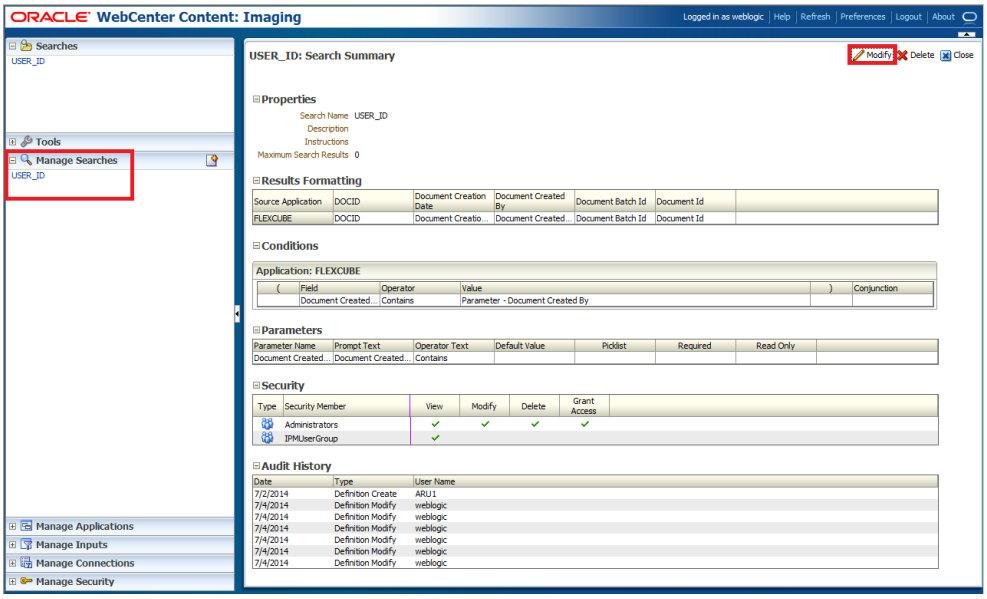


7) After clicking on the submit button,

   a. Navigate to Manage Searches

   b. Click on the available search (ex: USER_ID in this doc)

   c. Click on the modify



8) After clicking on the modify button,

   a. Navigate to Document Security

   b. Click on Add button

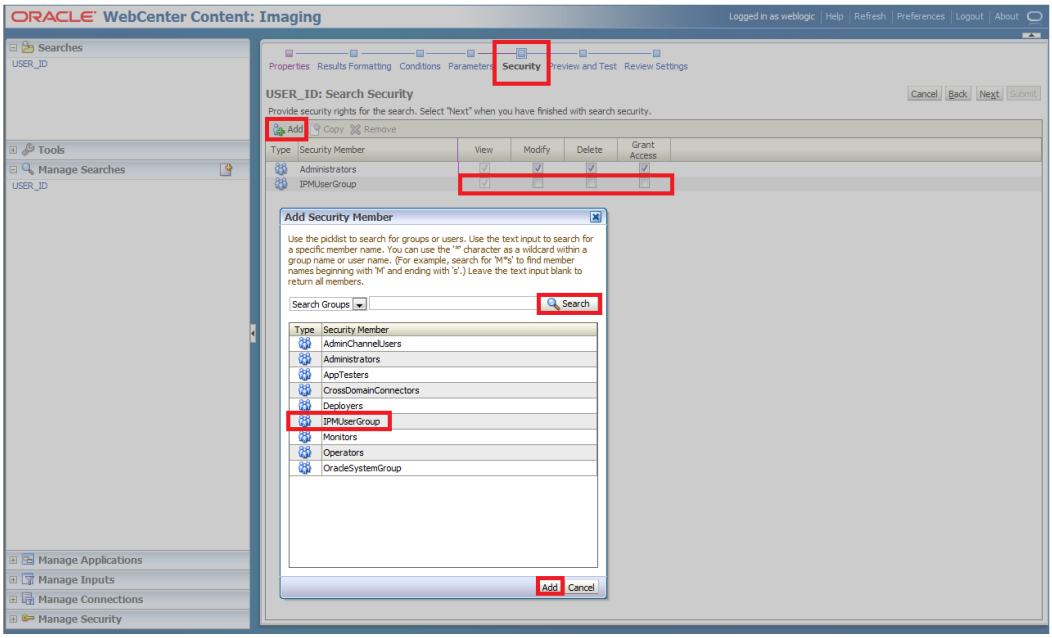
   c. Click on Search button in the pop up window

   d. Select the “IPMUserGroup”

   e. Click on Add

   f. IPMUserGroup will be listed in the panel; don’t select any checkbox except the default view checkbox.

   g. Finally click on the submit button on the right corner



9) Go to the location – '<ORACLE_HOME>\ user_projects\domains\<Domain_created>\config\fmwconfig'

a. Open 'jps-config.xml' file. Search for '<serviceProviders>' tag and add the following code between '<serviceProviders>' and '</serviceProviders>' tags.

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

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

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

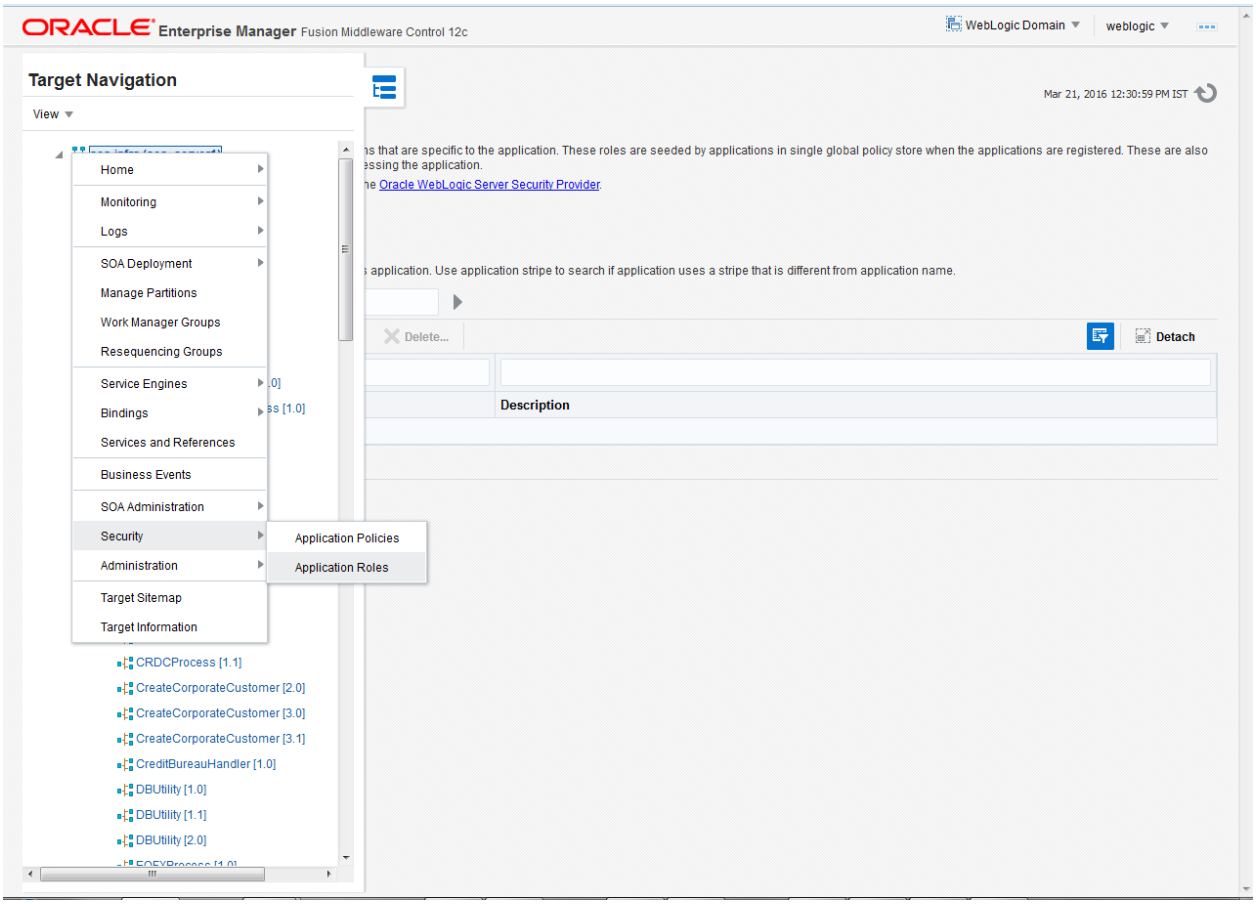
STOP Make sure that the JNDI (jdbc/fcjdevDS) matches the value given during property file creation.

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

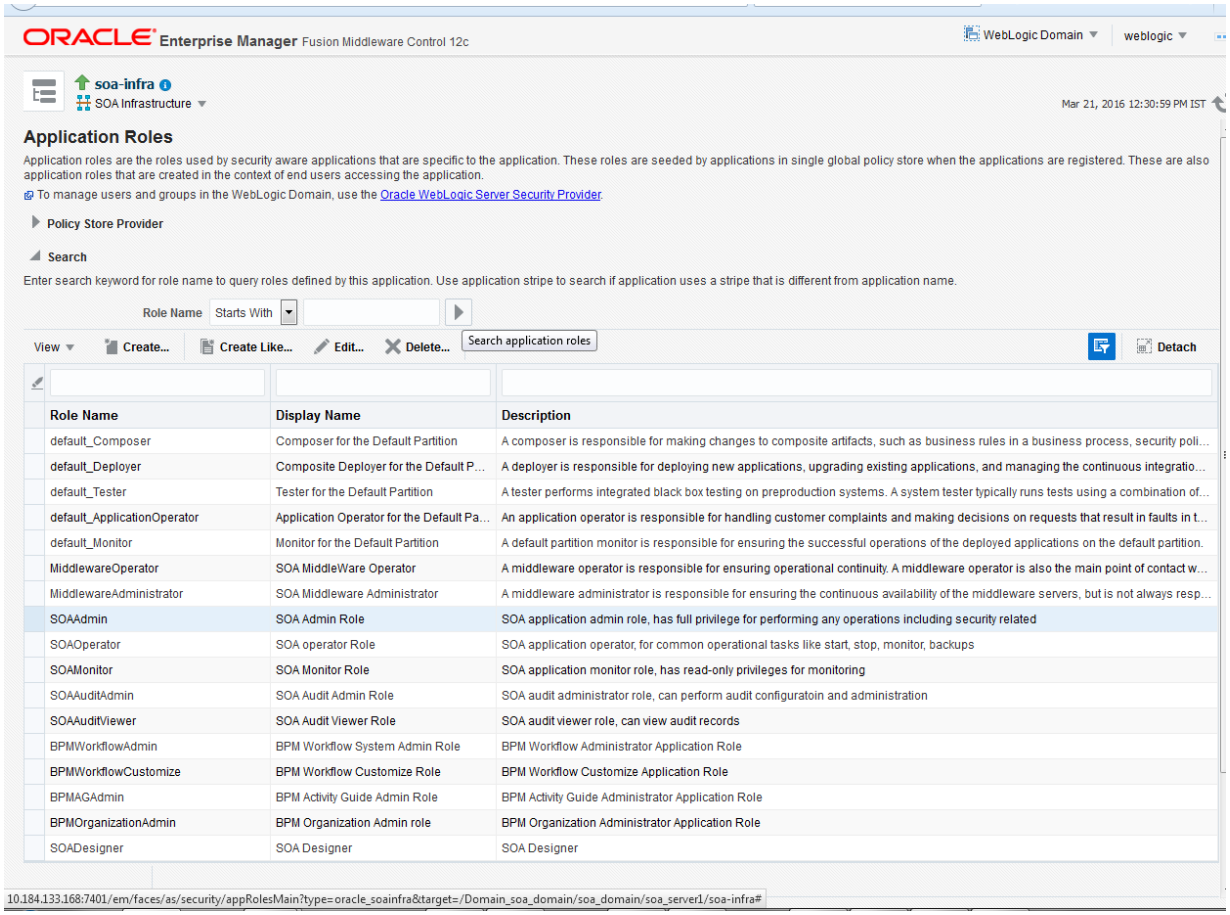
```
<jpsContext name="internalstore">
  <serviceInstanceRef ref="credstore"/>
  <serviceInstanceRef ref="keystore"/>
  <serviceInstanceRef ref="policystore.xml"/>
  <serviceInstanceRef ref="audit"/>
</jpsContext>
```

1.2.11 Configuring Superviser Roles in EM

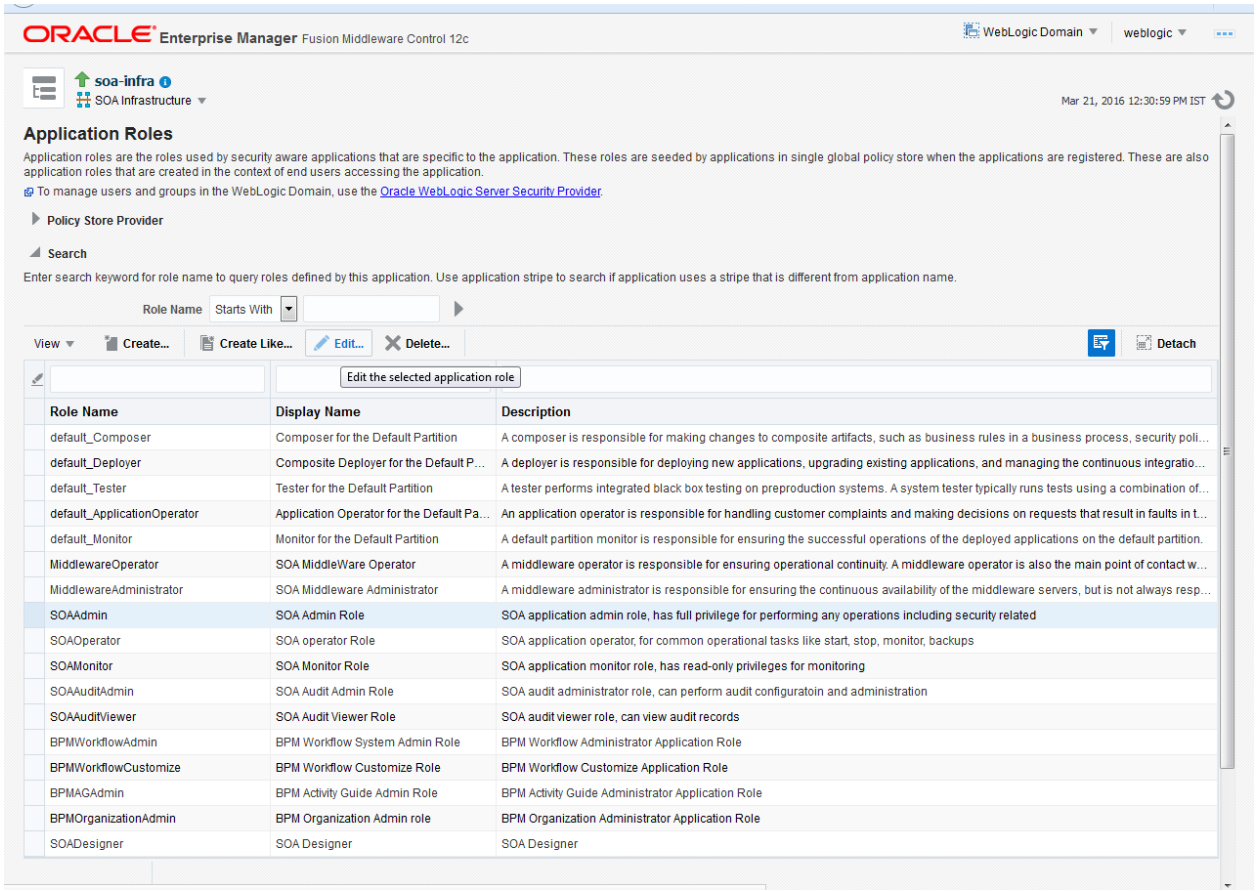
1. Right click on soa-infra. Select security→Application Roles



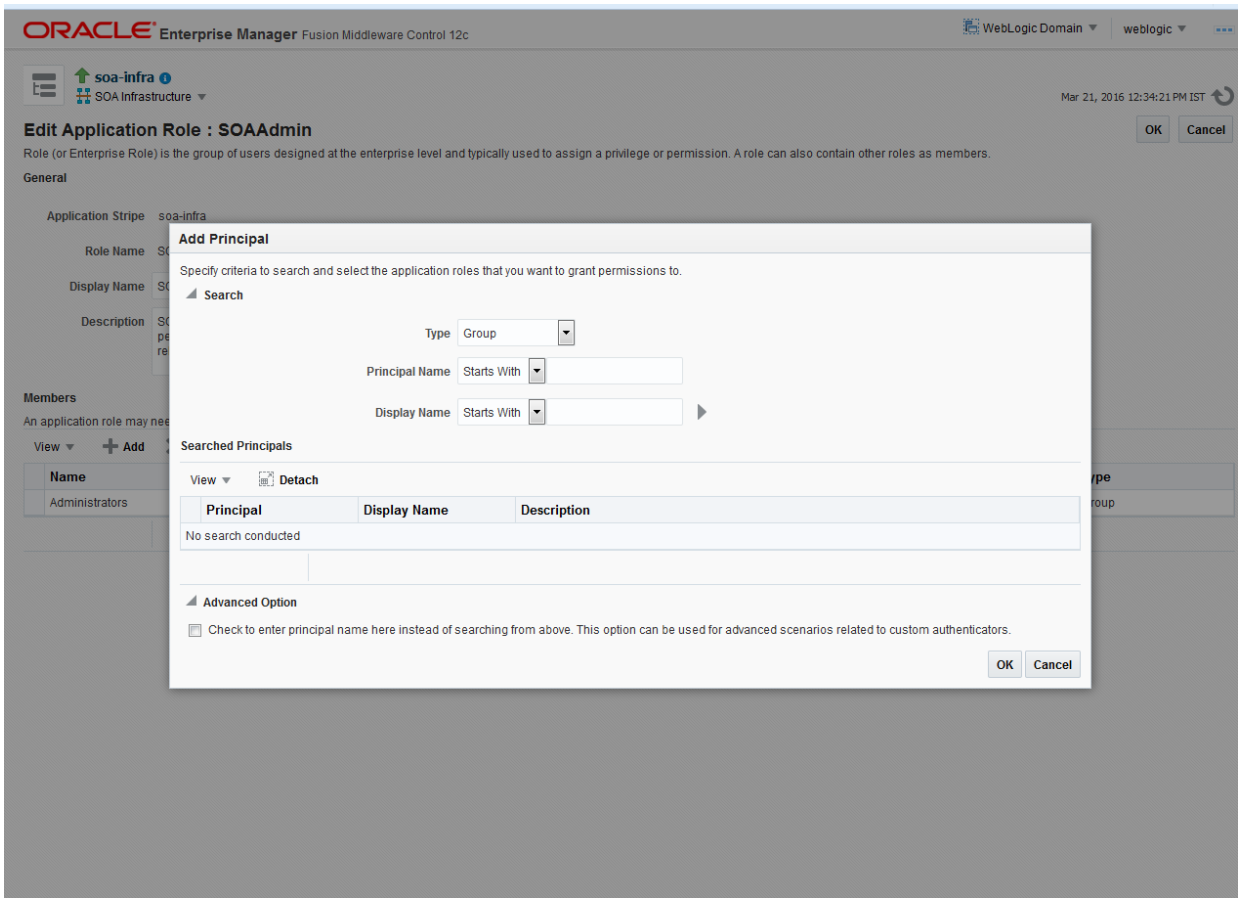
2. Search the Application Roles with "Starts with" option.


ORACLE Enterprise Manager Fusion Middleware Control 12c
WebLogic Domain
weblogic
soa-infra
SOA Infrastructure
Mar 21, 2016 12:30:59 PM IST
Application Roles
Application roles are the roles used by security aware applications that are specific to the application. These roles are seeded by applications in single global policy store when the applications are registered. These are also application roles that are created in the context of end users accessing the application.
To manage users and groups in the WebLogic Domain, use the Oracle WebLogic Server Security Provider.
Policy Store Provider
Search
Enter search keyword for role name to query roles defined by this application. Use application stripe to search if application uses a stripe that is different from application name.
Role Name
Starts With
Search application roles
View
Create...
Create Like...
Edit...
Delete...
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_Tester
Tester for the Default Partition
A tester performs integrated black box testing on preproduction systems. A system tester typically runs tests using a combination of...
default_ApplicationOperator
Application Operator for the Default Pa...
An application operator is responsible for handling customer complaints and making decisions on requests that result in faults in t...
default_Monitor
Monitor for the Default Partition
A default partition monitor is responsible for ensuring the successful operations of the deployed applications on the default partition.
MiddlewareOperator
SOA MiddleWare Operator
A middleware operator is responsible for ensuring operational continuity. A middleware operator is also the main point of contact w...
MiddlewareAdministrator
SOA Middleware Administrator
A middleware administrator is responsible for ensuring the continuous availability of the middleware servers, but is not always resp...
SOAAdmin
SOA Admin Role
SOA application admin role, has full privilege for performing any operations including security related
SOAOperator
SOA operator Role
SOA application operator, for common operational tasks like start, stop, monitor, backups
SOAMonitor
SOA Monitor Role
SOA application monitor role, has read-only privileges for monitoring
SOAAuditAdmin
SOA Audit Admin Role
SOA audit administrator role, can perform audit configuratoin and administration
SOAAuditViewer
SOA Audit Viewer Role
SOA audit viewer role, can view audit records
BPMWorkflowAdmin
BPM Workflow System Admin Role
BPM Workflow Administrator Application Role
BPMWorkflowCustomize
BPM Workflow Customize Role
BPM Workflow Customize Application Role
BPMAGAdmin
BPM Activity Guide Admin Role
BPM Activity Guide Administrator Application Role
BPMOrganizationAdmin
BPM Organization Admin role
BPM Organization Administrator Application Role
SOADesigner
SOA Designer
SOA Designer
10.184.133.168:7401/em/faces/as/security/appRolesMain?type=oracle_soainfra&target=/Domain_soa_domain/soa_domain/soa_server1/soa-infra#

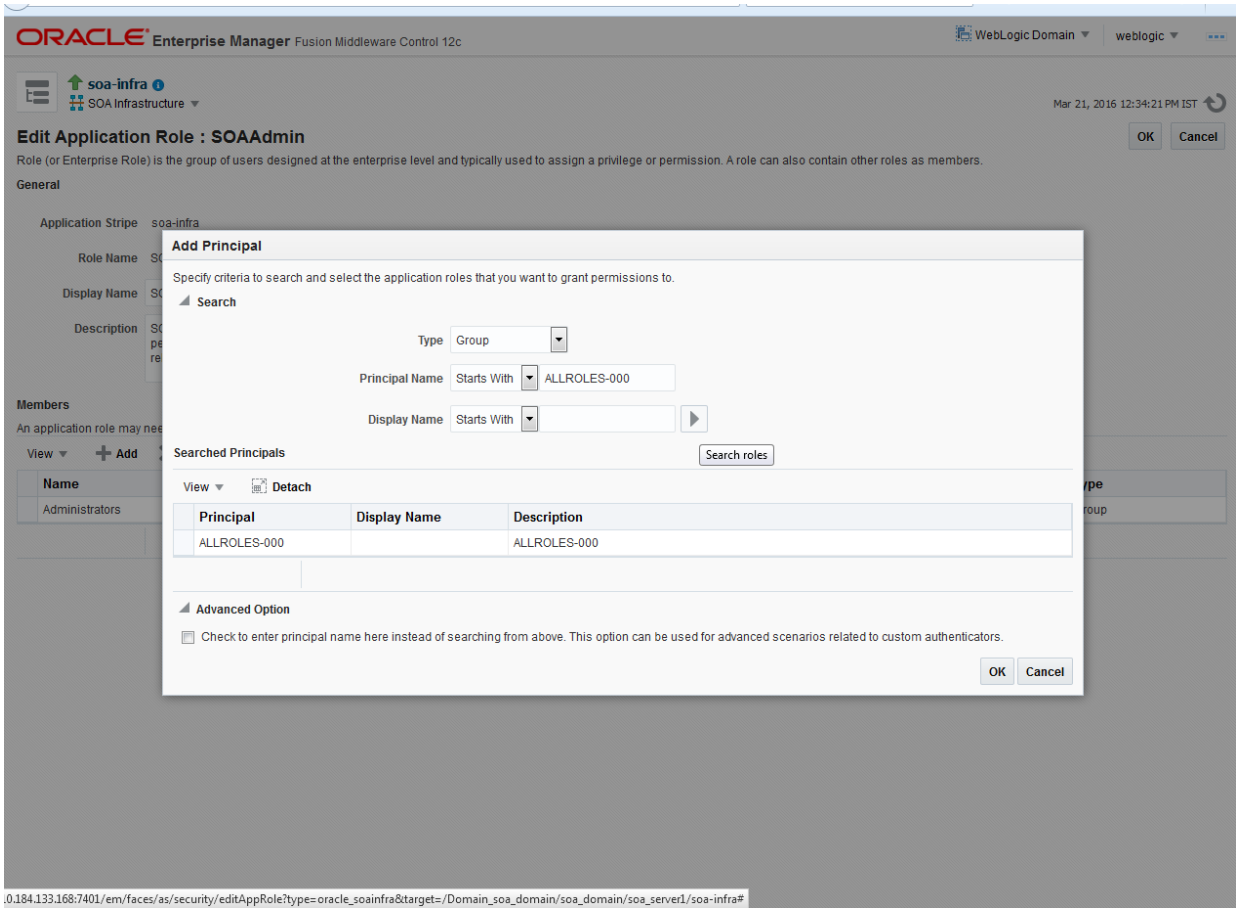
3. Select the SOAAdmin Role and Click on ‘Edit option’.



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



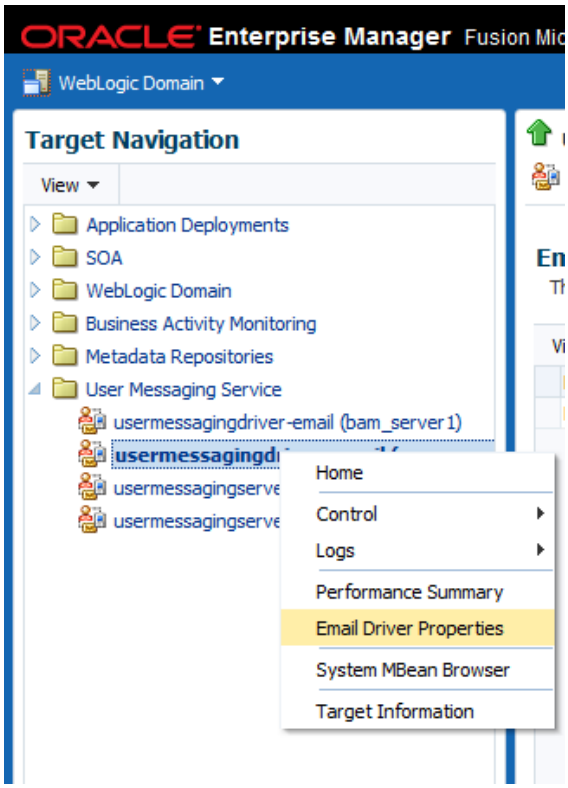
5. Provide the principal name as (EX:ALLROLES-000) Param_val which is mapped to the OR_ADMINROLE in the cstb_param table and search the role.Click on ok.



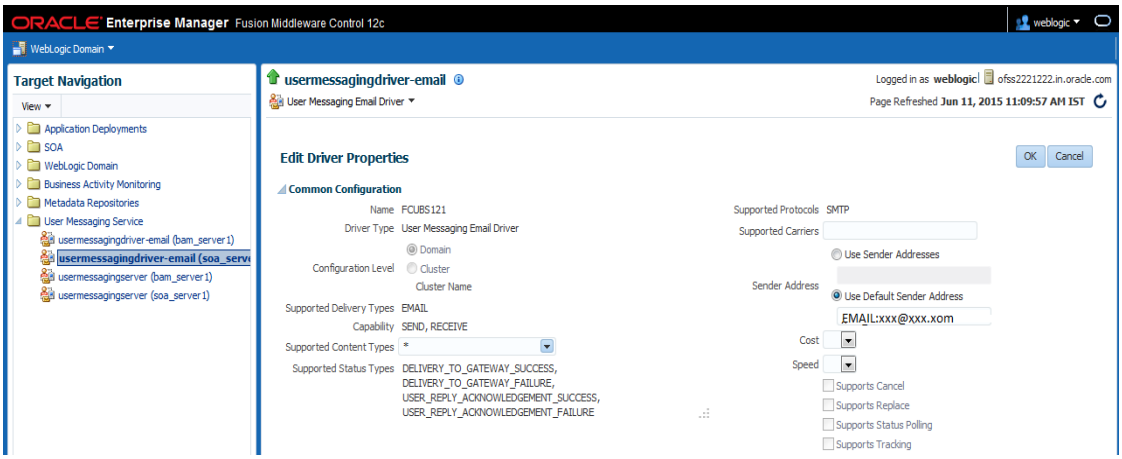
6. Click on Ok .

1.2.12 Email Driver Configuration

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



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

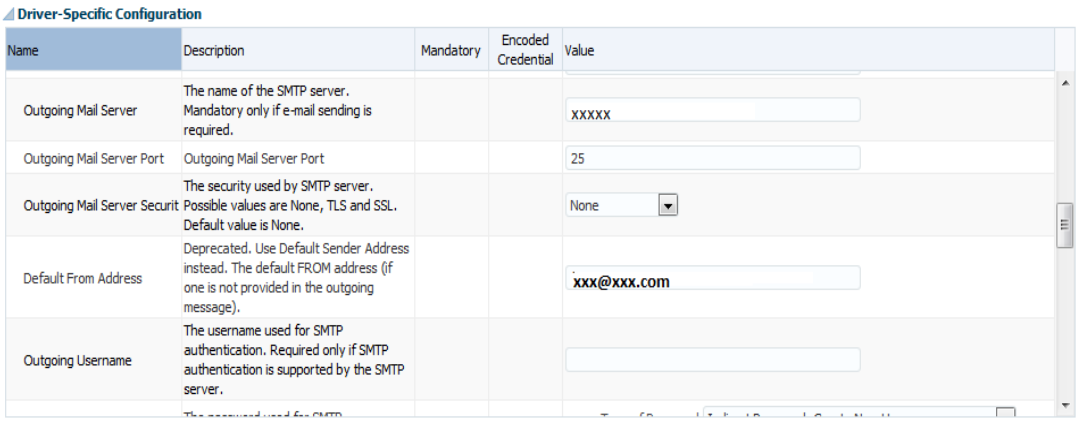


7. Select the mail access protocol (IMAP) as per the mail server specification

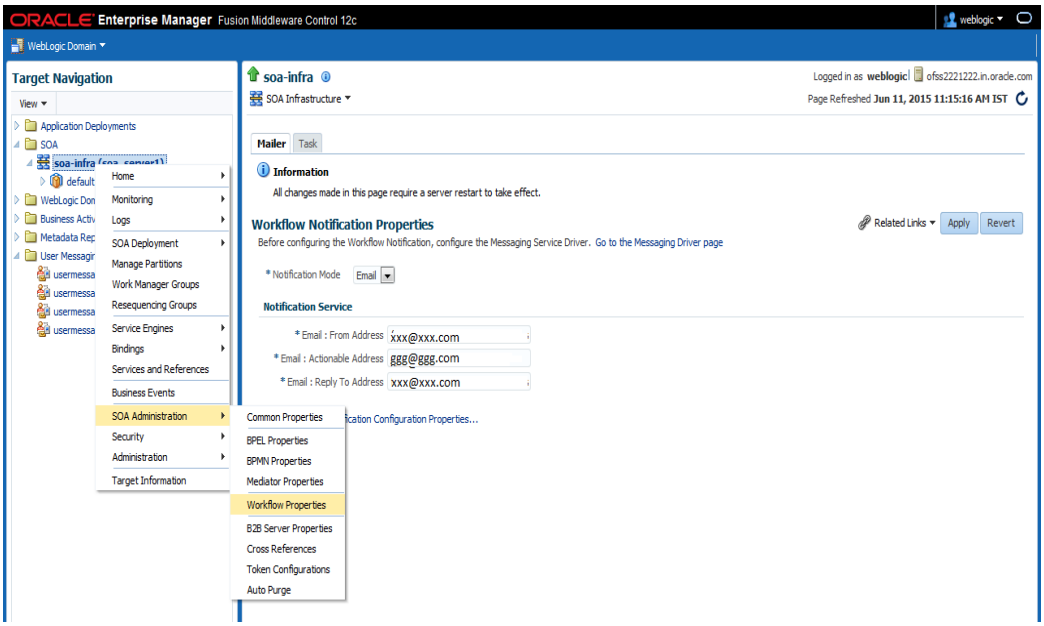
Driver-Specific Configuration

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

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



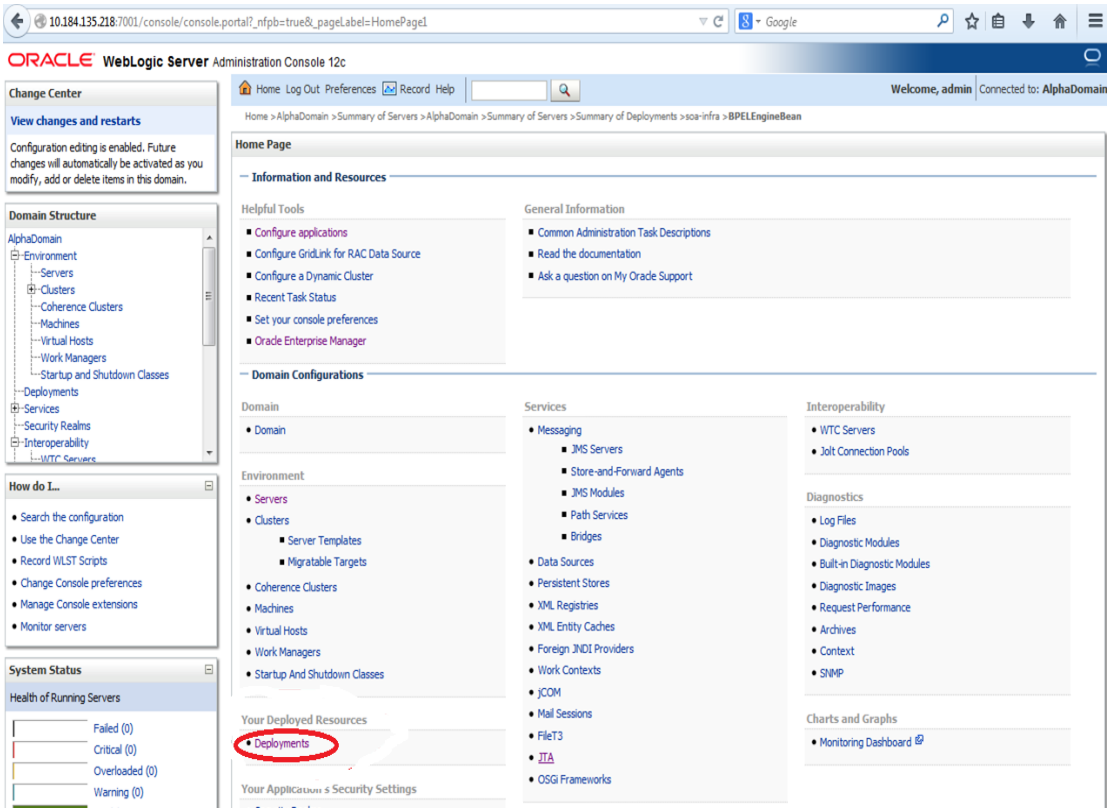
13. Navigate to SOA Administration ->Workflow Properties



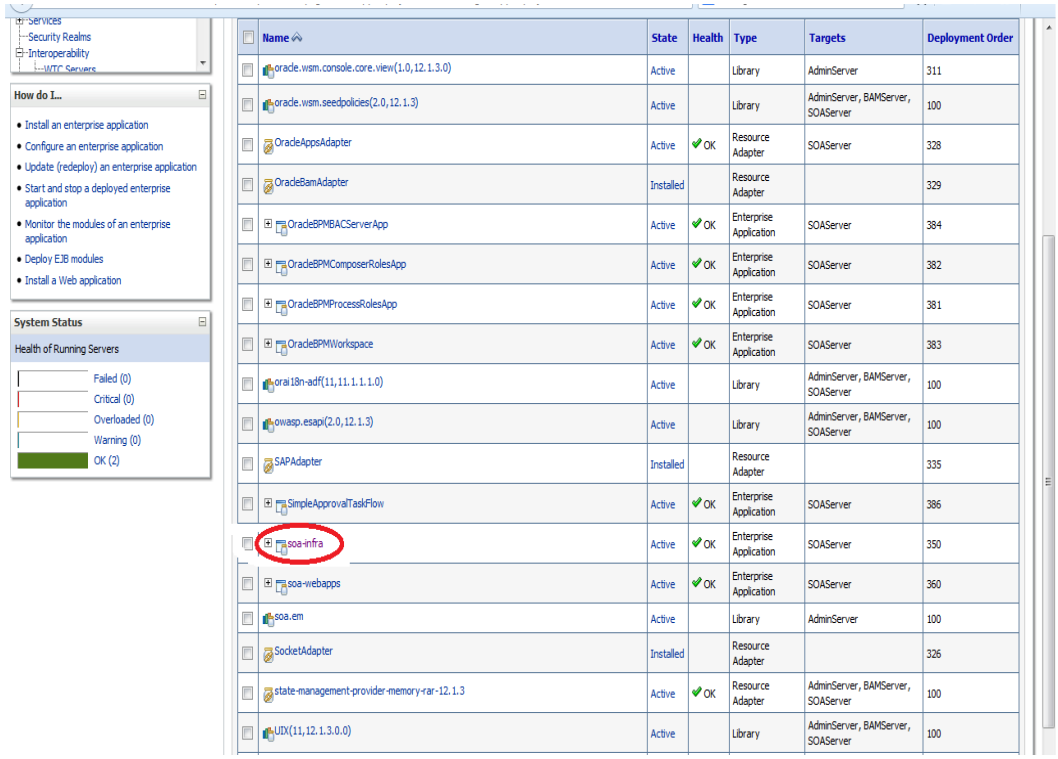
14. Select the notification mode as Email/ALL and enter the from address Actionable address and reply to Address.

1.2.13 TimeOut Settings for BPEL

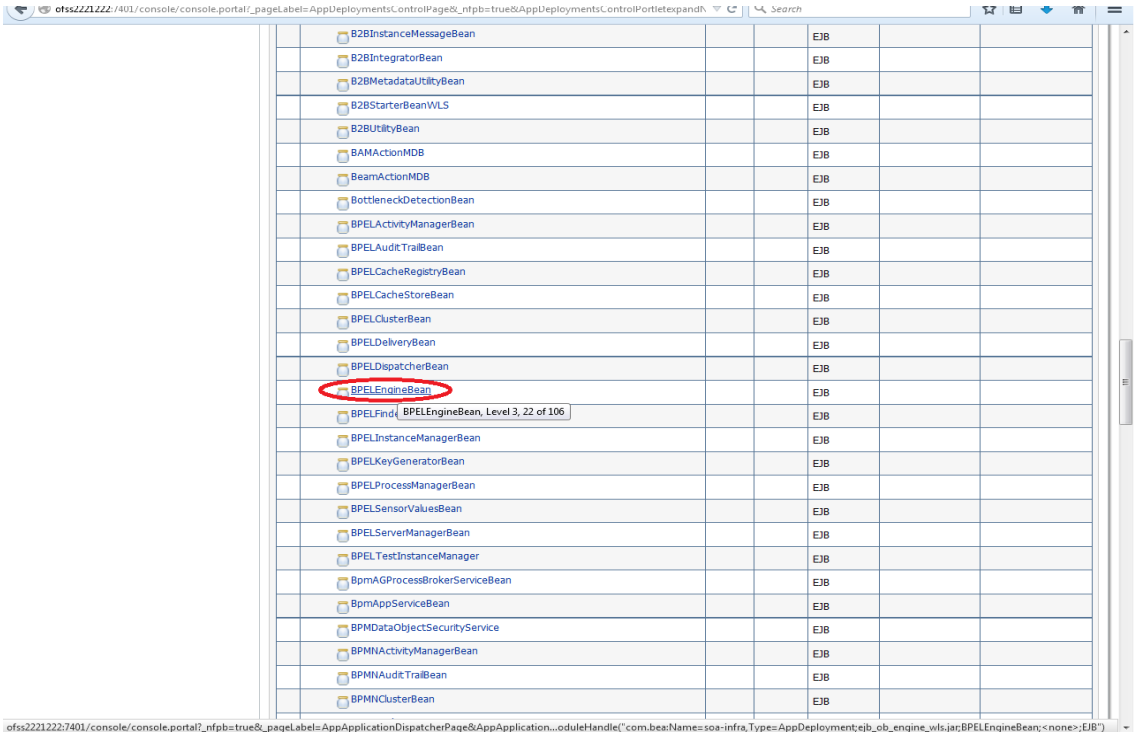
1. Login in to Console (http://hostname:port/console)
2. Click on Deployments

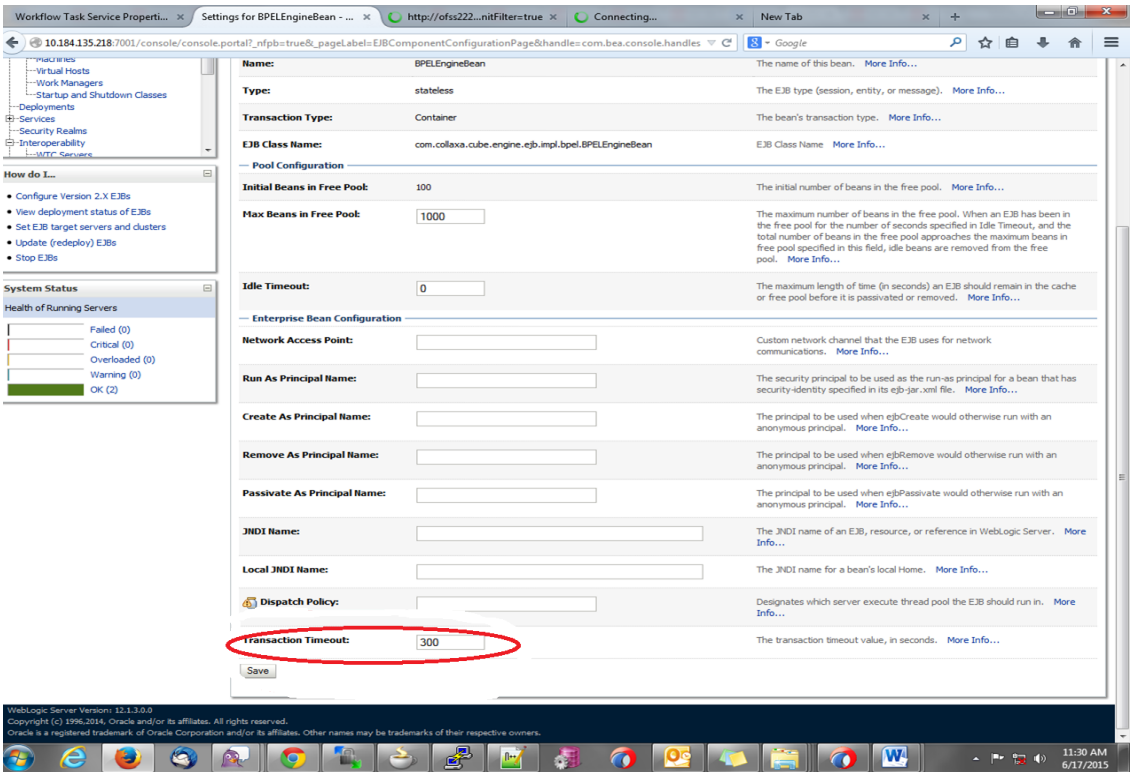


3. Click on SOA_INFRA Application under deployments.

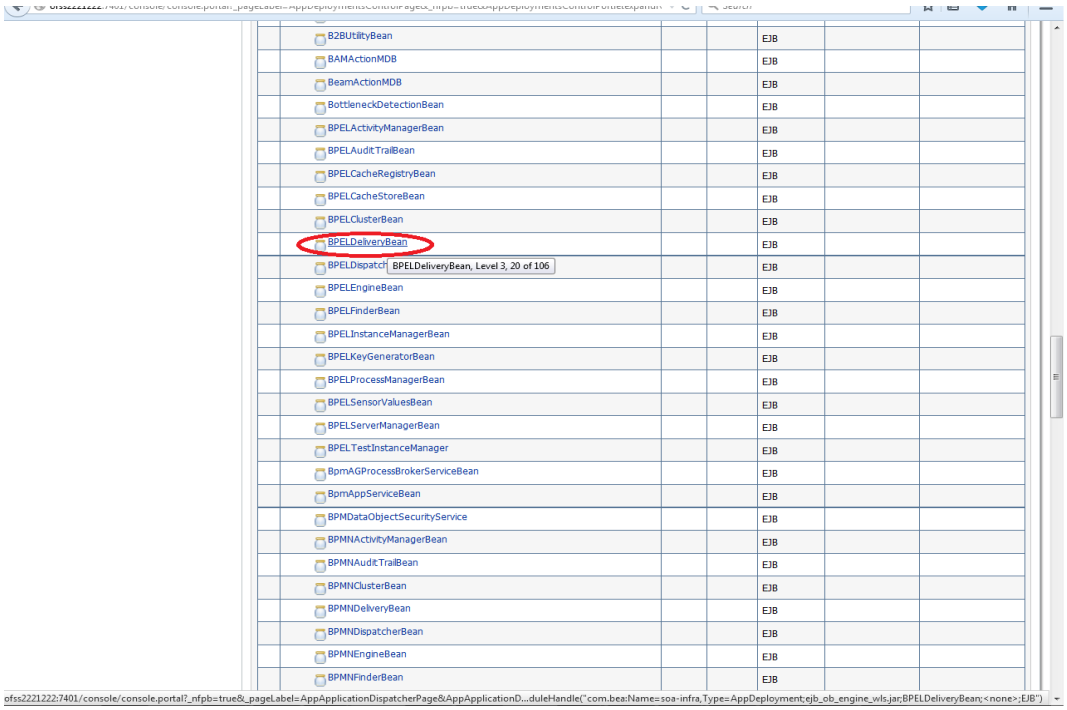


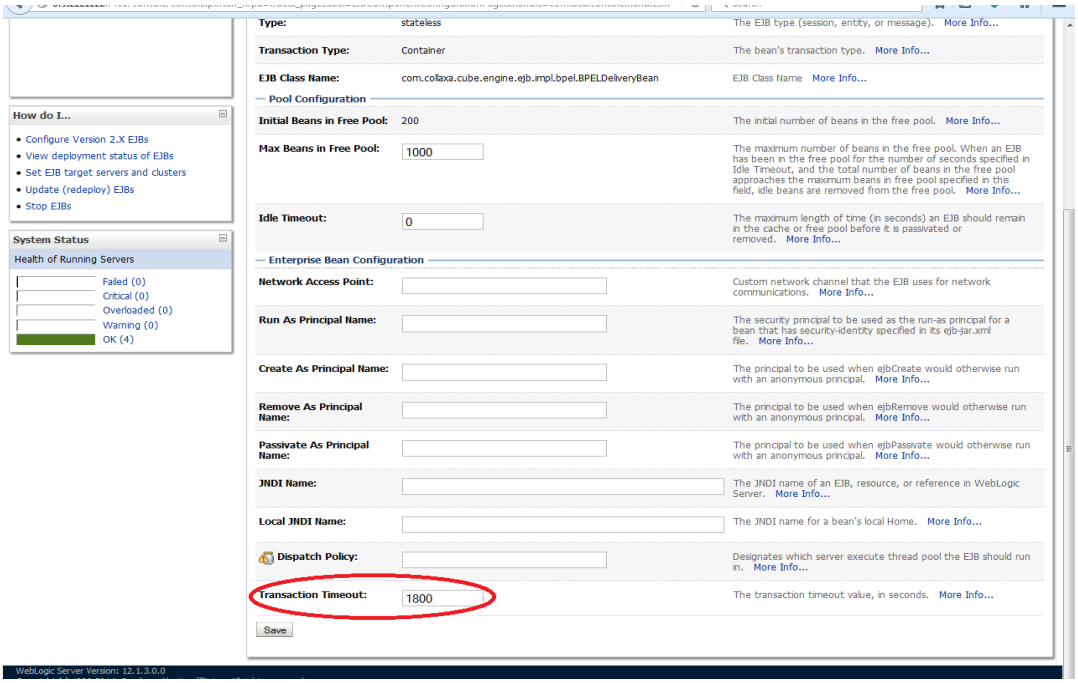
4. Click on BPEL Engine EJB→Configuration→set Transaction Time Out to 300.





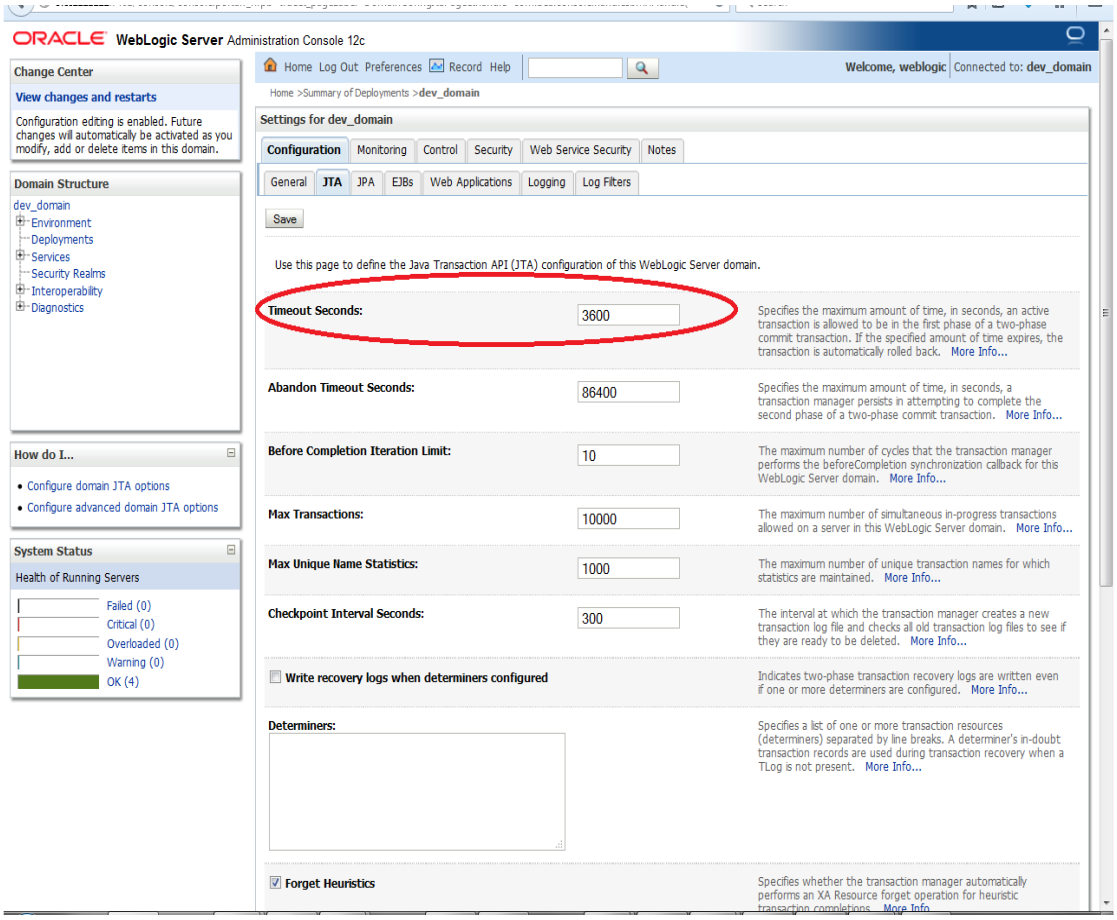
5. Go to EJBs→BPEL Delivery Bean→ Configuration→set TransactionTimeOut to 300



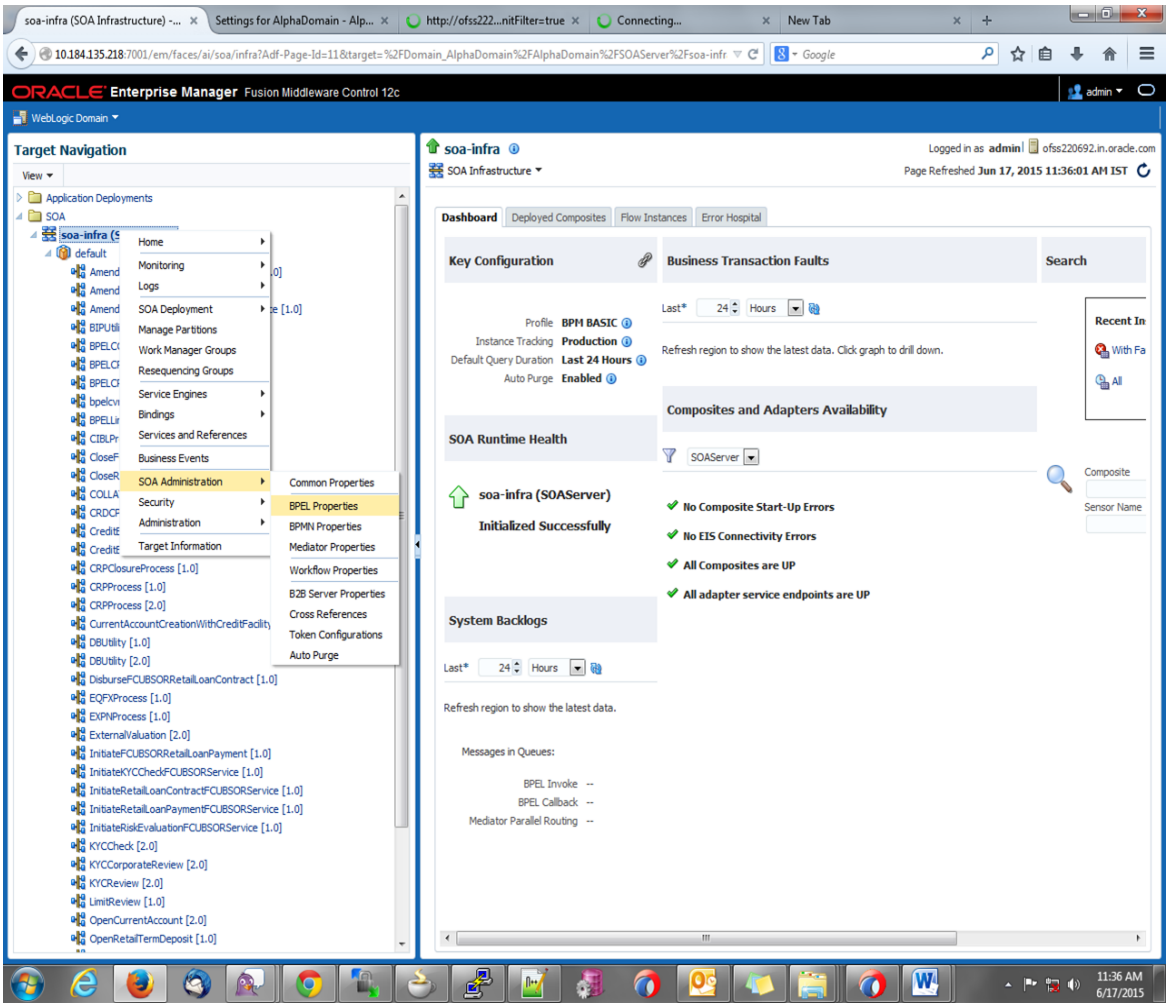


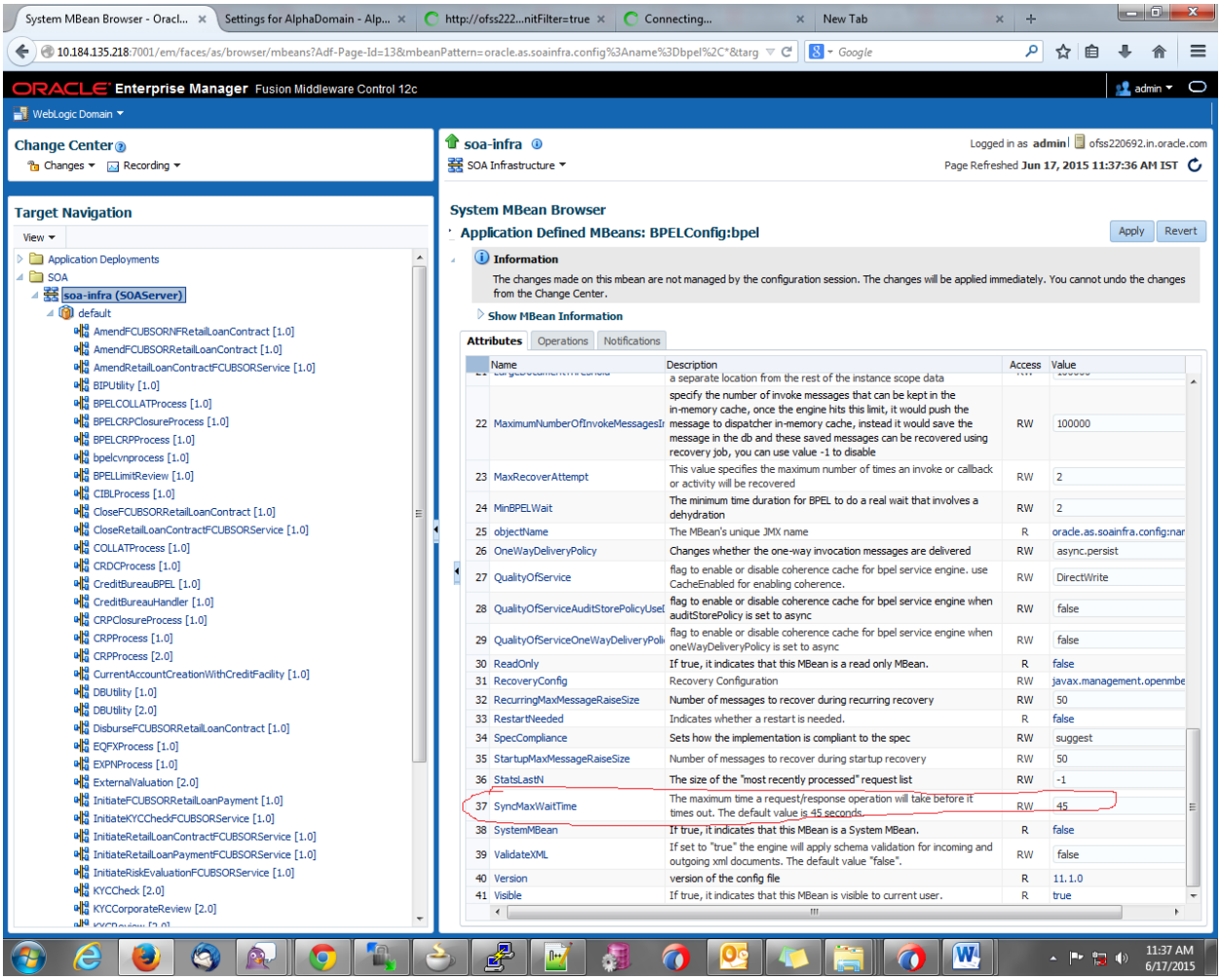
6. Login in to Console →JTA

7. Set the JTA timeout According to the below condition. Make sure BPELEngineBean + BPELDeliveryBean is <= JTA timeout(300+300<=600)



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


soa-infra (SOA Infrastructure) -...
Settings for AlphaDomain - Alp...
http://ofss222...nitFilter=true
Connecting...
New Tab
10.184.135.218:7001/em/faces/ai/soa/infra?Adf-Page-Id=11&target=%2FDomain_AlphaDomain%2FAlphaDomain%2FSOAServer%2Fsoa-infr
Google
ORACLE Enterprise Manager Fusion Middleware Control 12c
admin
WebLogic Domain
Target Navigation
View
Application Deployments
SOA
soa-infra (S
default
Home
Monitoring
Logs
SOA Deployment
Manage Partitions
Work Manager Groups
Resequencing Groups
Service Engines
Bindings
Services and References
Business Events
SOA Administration
Security
Administration
Target Information
Common Properties
BPEL Properties
BPMN Properties
Mediator Properties
Workflow Properties
B2B Server Properties
Cross References
Token Configurations
Auto Purge
CRPClosureProcess [1.0]
CRPProcess [1.0]
CRPProcess [2.0]
CurrentAccountCreationWithCreditFacility
DBUtility [1.0]
DBUtility [2.0]
DisburseFCUBSORRetailLoanContract [1.0]
EQFXProcess [1.0]
EXPNProcess [1.0]
ExternalValuation [2.0]
InitiateFCUBSORRetailLoanPayment [1.0]
InitiateKYCCheckFCUBSORService [1.0]
InitiateRetailLoanContractFCUBSORService [1.0]
InitiateRetailLoanPaymentFCUBSORService [1.0]
InitiateRiskEvaluationFCUBSORService [1.0]
KYCCheck [2.0]
KYCCorporateReview [2.0]
KYCReview [2.0]
LimitReview [1.0]
OpenCurrentAccount [2.0]
OpenRetailTermDeposit [1.0]
soa-infra
SOA Infrastructure
Logged in as admin
ofss220692.in.oracle.com
Page Refreshed Jun 17, 2015 11:36:01 AM IST
Dashboard
Deployed Composites
Flow Instances
Error Hospital
Key Configuration
Profile BPM BASIC
Instance Tracking Production
Default Query Duration Last 24 Hours
Auto Purge Enabled
Business Transaction Faults
Last* 24 Hours
Refresh region to show the latest data. Click graph to drill down.
Search
Recent In
With Fa
All
Composites and Adapters Availability
SOAServer
SOA Runtime Health
soa-infra (SOAServer)
Initialized Successfully
No Composite Start-Up Errors
No EIS Connectivity Errors
All Composites are UP
All adapter service endpoints are UP
Composite
Sensor Name
System Backlogs
Last* 24 Hours
Refresh region to show the latest data.
Messages in Queues:
BPEL Invoke --
BPEL Callback --
Mediator Parallel Routing --
11:36 AM
6/17/2015


System MBean Browser - Oracl...
Settings for AlphaDomain - Alp...
http://ofss222...nitFilter=true
Connecting...
New Tab
10.184.135.218:7001/em/faces/as/browser/mbeans?Adf-Page-Id=13&mbeanPattern=oracle.as.soainfra.config%3Aname%3Dbpel%2C*&targ
Google
ORACLE Enterprise Manager Fusion Middleware Control 12c
admin
WebLogic Domain
Change Center
Changes
Recording
soa-infra
SOA Infrastructure
Logged in as admin | ofss220692.in.oracle.com
Page Refreshed Jun 17, 2015 11:37:36 AM IST
Target Navigation
View
Application Deployments
SOA
soa-infra (SOAServer)
default
AmendFCUBSORNFRetailLoanContract [1.0]
AmendFCUBSORRetailLoanContract [1.0]
AmendRetailLoanContractFCUBSORService [1.0]
BIPUtility [1.0]
BPELCOLLATProcess [1.0]
BPELCRPClosureProcess [1.0]
BPELCRPProcess [1.0]
bpelcvnprocess [1.0]
BPELLimitReview [1.0]
CIBLProcess [1.0]
CloseFCUBSORRetailLoanContract [1.0]
CloseRetailLoanContractFCUBSORService [1.0]
COLLATProcess [1.0]
CRDCProcess [1.0]
CreditBureauBPEL [1.0]
CreditBureauHandler [1.0]
CRPClosureProcess [1.0]
CRPProcess [1.0]
CRPProcess [2.0]
CurrentAccountCreationWithCreditFacility [1.0]
DBUtility [1.0]
DBUtility [2.0]
DisburseFCUBSORRetailLoanContract [1.0]
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EXPNProcess [1.0]
ExternalValuation [2.0]
InitiateFCUBSORRetailLoanPayment [1.0]
InitiateKYCCheckFCUBSORService [1.0]
InitiateRetailLoanContractFCUBSORService [1.0]
InitiateRetailLoanPaymentFCUBSORService [1.0]
InitiateRiskEvaluationFCUBSORService [1.0]
KYCCheck [2.0]
KYCCorporateReview [2.0]
System MBean Browser
Application Defined MBeans: BPELConfig:bpel
Apply
Revert
Information
The changes made on this mbean are not managed by the configuration session. The changes will be applied immediately. You cannot undo the changes from the Change Center.
Show MBean Information
Attributes
Operations
Notifications
Name
Description
Access
Value
a separate location from the rest of the instance scope data
22 MaximumNumberOfInvokeMessagesIr
specify the number of invoke messages that can be kept in the in-memory cache, once the engine hits this limit, it would push the message to dispatcher in-memory cache, instead it would save the message in the db and these saved messages can be recovered using recovery job, you can use value -1 to disable
RW 100000
23 MaxRecoverAttempt
This value specifies the maximum number of times an invoke or callback or activity will be recovered
RW 2
24 MinBPELWait
The minimum time duration for BPEL to do a real wait that involves a dehydration
RW 2
25 objectName
The MBean's unique JMX name
R oracle.as.soainfra.config:nar
26 OneWayDeliveryPolicy
Changes whether the one-way invocation messages are delivered
RW async.persist
27 QualityOfService
flag to enable or disable coherence cache for bpel service engine. use CacheEnabled for enabling coherence.
RW DirectWrite
28 QualityOfServiceAuditStorePolicyUsel
flag to enable or disable coherence cache for bpel service engine when auditStorePolicy is set to async
RW false
29 QualityOfServiceOneWayDeliveryPoli
flag to enable or disable coherence cache for bpel service engine when oneWayDeliveryPolicy is set to async
RW false
30 ReadOnly
If true, it indicates that this MBean is a read only MBean.
R false
31 RecoveryConfig
Recovery Configuration
RW javax.management.openmbe
32 RecurringMaxMessageRaiseSize
Number of messages to recover during recurring recovery
RW 50
33 RestartNeeded
Indicates whether a restart is needed.
R false
34 SpecCompliance
Sets how the implementation is compliant to the spec
RW suggest
35 StartupMaxMessageRaiseSize
Number of messages to recover during startup recovery
RW 50
36 StatsLastN
The size of the "most recently processed" request list
RW -1
37 SyncMaxWaitTime
The maximum time a request/response operation will take before it times out. The default value is 45 seconds.
RW 45
38 SystemMBean
If true, it indicates that this MBean is a System MBean.
R false
39 ValidateXML
If set to "true" the engine will apply schema validation for incoming and outgoing xml documents. The default value "false".
RW false
40 Version
version of the config file
R 11.1.0
41 Visible
If true, it indicates that this MBean is visible to current user.
R true
11:37 AM
6/17/2015

1.3 Integrating Oracle FLEXCUBE UBS and Scheduler

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

1.3.1 Running Backend Scripts

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

Follow the steps given below:

1. Download Quartz Latest Qualified Version.gz file from the following URL: http://www.quartz-scheduler.org/download/download-catalog.html

1. Extract the gz file.

2. Open the folder 'Quartz-Latest Qualified Version \docs\dbTables' folder and run 'tables_oracle.sql' (this is specific to Oracle Database) in the schema.

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

1.4 Integrating Oracle FLEXCUBE UBS and BIP Reports

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

1.4.1 Deploying Application Through Application Server's Admin Console

Deployment from Weblogic Administration Console

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

1.5 Integrating Oracle FLEXCUBE UBS and MBean

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

1.5.1 Startup Script Modification

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

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

1. Go to the Weblogic domain home folder.

   c) Based on the operating system used, open 'startWeblogic.cmd' or 'startWeblogic.sh' from the folder 'bin'.

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

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

Now, the details will look like this:

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

   Echo Starting WLS with line:

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

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

) else (

   echo Redirecting output from WLS window to %WLS_REDIRECT_LOG%

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

)
```

e) Restart the Weblogic server.

ORACLE

Setting up Plug - Ins
[July] [2017]
Version 12.2.0.2.8

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