Setting up Plug-Ins Oracle FLEXCUBE Universal Banking Release 14.0.0.0 [February] [2018]



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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 'FCJJPSProvider.jar' file inside the folder 'BPELbuild' created along. You need to complete the following tasks before deploying Oracle FLEXCUBE UBS EAR file.

1.2.1 Custom Provider Configuration

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

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

| | Iministration Console 12c | | Q | | | | | |
|--|---|--|--|--|--|--|--|--|
| Change Center | 🔒 Home Log Out Preferences 🖂 Record Help | Q | Welcome, weblogic Connected to: Dev1201_domain | | | | | |
| View changes and restarts | Home >Summary of Security Realms | | | | | | | |
| Configuration editing is enabled. Future | Home Page | | | | | | | |
| changes will automatically be activated as you modify, add or delete items in this domain. | - Information and Resources | | | | | | | |
| Domain Structure | Helpful Tools | General Information | | | | | | |
| Dev 120 1_domain &F Environment + Opelpoyments &F-Services + Security Realms &F-Interoperability &F-Diagnostics | Configure applications Configure applications Configure a Dynamic Cluster Recent Task Status Set your conside preferences Oracle Enterprise Manager | Common Administration Task Descriptions Read the documentation Ask a question on My Oracle Support | | | | | | |
| | - Domain Configurations | | | | | | | |
| | Domain | Services | Interoperability | | | | | |
| | • Domain | Messaging JMS Servers | WTC Servers Jolt Connection Pools | | | | | |
| How do L | Environment | Store-and-Forward Agents JMS Modules | | | | | | |
| Search the configuration | Servers | JMS Modules Path Services | Diagnostics | | | | | |
| Search the configuration Use the Change Center | Clusters Server Templates | Paul Services Bridges | Log Files | | | | | |
| Record WLST Scripts | Server remplates Migratable Targets | Data Sources | Diagnostic Modules Built-in Diagnostic Modules | | | | | |
| Change Console preferences | Coherence Clusters | Persistent Stores | Diagnostic Images | | | | | |
| Manage Console extensions | Machines | XML Registries | Request Performance | | | | | |
| Monitor servers | Virtual Hosts | XML Entity Caches | Archives | | | | | |
| | Work Managers | Foreign JNDI Providers | Context | | | | | |
| System Status | Startup And Shutdown Classes | Work Contexts | SNMP | | | | | |
| Health of Running Servers | | • jCOM | | | | | | |
| - | Your Deployed Resources | Mail Sessions | Charts and Graphs | | | | | |
| Failed (0) Critical (0) | Deployments | FieT3 | Monitoring Dashboard | | | | | |
| Overloaded (0) | | • JTA | | | | | | |
| Warning (0) | Your Application's Security Settings | OSGi Frameworks | | | | | | |
| OK (3) | Security Realms | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| WebLogic Server Version: 12.1.3.0.0 Copyright (c) 1996,2014, Oracle and/or its affiliates. Al Oracle is a registered trademark of Oracle Corporation | I rights reserved. n and/or its affiliates. Other names may be trademarks of their resp | sective owners. | | | | | | |

5. Click on myrealm.



| | dministration Console 12c | | Q |
|---|---|--|---|
| Change Center | 🏦 Home Log Out Preferences 🖂 Record Help | Q | Welcome, weblogic Connected to: Dev1201_domain |
| View changes and restarts | Home >Summary of Security Realms | | |
| Confignation ading is malekid. Future changes will automatically be activated as your modify, add or delete items in this domain. | security realms in a WebLogic Server domain, but only | nly one can be set as the default (active) realm | polices, and security providers—that are used to protect WebLogc resources. You can have multiple or domain. Click the name of the realm to explore and configure that realm. Showing 1 to 1 of 1 Previous Next |
| How do I | | | |
| Configure new security realms Oelete security realms Change the default security realm | | | |
| System Status | | | |
| Health of Running Servers Patel (0) Ortical (0) Overloaded (0) Warning (0) OC (3) | il robb rearrowd. | | |

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

| DRACLE WebLogic Server Ad | vinietration Conecla 10c | | |
|--|---|---|---|
| | Home Log Out Preferences Record Help | | Welcome, weblogic Connected to: soa_server |
| ange Center | Home Log Out Preferences Record Help | | welcome, weblogic Connected to: soa_server |
| ew changes and restarts | | | |
| pending changes exist. Click the Release figuration button to allow others to edit the main. | Settings for myrealm Configuration Users and Groups Roles and Policies Credential Mappings | Providers Migration | |
| Lock & Edit Release Configuration | Authentication Password Validation Authorization Adjudication Role M | apping Auditing Credential Mapping Certification Path | |
| main Structure server_bpel Domain Partitions Environment Deployments Services | An Authentication provider allows WebLauc Server to establish trust by validating Different types of Authentication providers are designed to access different data st Customize this table Authentication Providers | uger. You must have one Authentication provider in a security realm, and you can configure multipl pres, such as LDAP servers or DBMS. | e Authentication providers in a security realm. |
| Security Realms Interoperability Diagnostics | New Delete Reprier | | Showing 1 to 4 of 4 Previous Net |
| - | Name | Description | Version |
| | FCJCustomProvider | Authentication provider for FLEXCUBE users | FCUBS 12.2 |
| | Trust Service Identity Asserter | Trust Service Identity Assertion Provider | 1.0 |
| | DefaultAuthenticator | WebLogic Authentication Provider | 1.0 |
| w do I 🗉 | DefaultIdentityAsserter | WebLogic Identity Assertion provider | 1.0 |
| Configure authentication and identity assertion providers | New Delete Reorder | | Showing 1 to 4 of 4 Previous Ner |
| Configure the Password Validation provider | | | |
| Manage security providers Set the JAAS control flag | | | |
| Re-order authentication providers | | | |
| | | | |
| stem Status 🖂 | | | |
| alth of Running Servers as of 6:37 AM | | | |
| Failed (0) Critical (0) Overloaded (0) Warning (0) | | | |



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

| ORACLE WebLogic Server A | dministration Console 12c | | | ğ |
|---|---|--|-------------------|--|
| Change Center | A Home Log Out Prefere | ences 🐼 Record Help | Q | Welcome, weblogic Connected to: Dev1201_domain |
| View changes and restarts | Home >Summary of Securit | y Realms >myrealm >Providers >FCJCustomPro | vider > Providers | |
| Configuration editing is enabled. Future changes will automatically be activated as you modify, add or delete items in this domain. | Create a New Authentica OK Cancel | tion Provider | | |
| Domain Structure | Create a new Authent | ication Provider | | |
| Dev 120 1_domain | The following properties w * Indicates required fields | vill be used to identify your new Authentication | in Provider. | |
| ····Security Realms ⊡ Interoperability | The name of the authentic | ation provider. | | |
| Diagnostics | * Name: | FCJCustomProvider | | |
| | This is the type of authent | cation provider you wish to create. | | |
| | Туре: | FCUBSUserAuthenticator | • | |
| How do I | OK Cancel | | | |
| Manage security providers | | | | |
| Configure Authentication and Identity Assertion providers | | | | |
| System Status 🖂 | | | | |
| Health of Running Servers | | | | |
| Failed (0) Critical (0) Overloaded (0) Warning (0) OK (3) | | | | |
| WebLogic Server Version: 12.1.3.0.0 | | | | |

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

| WebLogic Server Ad | anninistration consol | 6 120 | | | | | | | | |
|---|---|--|----------------------|--------------------|------------------|--------------|-----------------------|--------------------|----------------|---|
| Change Center | Home Log Out | Preferences 🔤 F | Record Help | ٩ | | | | ١ | Velcome, weblo | gic Connected to: Dev1201_doma |
| View changes and restarts | Home >Summary of Security Realms >myrealm >Providers >FCJCustomProvider >Providers | | | | | | | | | |
| Configuration editing is enabled. Future changes will automatically be activated as you modify, add or delete items in this domain. | anges wil automatically be activated as you of Create operation canceled - no Authentication Providers created. | | | | | | | | | |
| Domain Structure | Settings for myre | ealm | | | | | | | | |
| Dev1201 domain | Configuration L | Jsers and Groups | Roles and Policies | Credential Mapping | Providers | Migratio | n | | | |
| Environment Deployments | Authentication | Password Validat | ion Authorization | Adjudication F | ole Mapping | Auditing | Credential Mapping | Certification Path | Keystores | |
| ⊕-Services i-Security Realms ⊕-Interoperability ⊕-Diagnostics | providers in a se | curity realm. Differen rovider that allows y s table | nt types of Authenti | | esigned to acce | ss differen | t data stores, such a | | | n configure multiple Authentication onfigure a Realm Adapter |
| | | | | | | | | | | |
| | New Delet | e Reorder | | | | | | | S | howing 1 to 4 of 4 Previous Next |
| How do I 🗉 | 🔲 Name | | | D | scription | | | | | Version |
| Configure Authentication and Identity Assertion providers | FCJCustom | Provider | | Au | thentication pro | vider for FL | EXCUBE users | | | FCUBS 12.1 |
| Configure the Password Validation provider | Trust Servi | ce Identity Asserter | | Tri | st Service Iden | ity Assertio | on Provider | | | 1.0 |
| Manage security providers | DefaultAut | henticator | | W | bLogic Authent | cation Prov | vider | | | 1.0 |
| Set the JAAS control flag | DefaultIder | ntityAsserter | | W | bLogic Identity | Assertion p | orovider | | | 1.0 |
| Re-order Authentication providers | New Delet | e Reorder | | | | | | | s | howing 1 to 4 of 4 Previous Next |
| System Status 🛛 | | | | | | | | | | |
| Health of Running Servers | | | | | | | | | | |
| Faled (0) | | | | | | | | | | |
| Critical (0) | | | | | | | | | | |
| Overloaded (0) | | | | | | | | | | |
| Warning (0) | | | | | | | | | | |
| OK (3) | | | | | | | | | | |
| WebLogic Server Version: 12.1.3.0.0 Copyright (c) 1996,2014, Oracle and/or its affiliates. All | | | | | | | | | | |



| | dministration Console 12c | Q |
|---|---|--|
| Change Center | 🟦 Home Log Out Preferences 🖾 Record Help | Welcome, weblogic Connected to: Dev1201_domain |
| View changes and restarts | Home > Summary of Security Realms > myrealm > Providers > FCJCustomProvider > Providers | |
| Configuration editing is enabled. Future changes will automatically be activated as you modify, add or delete items in this domain. | Reorder Authentication Providers OK Cancel | |
| Domain Structure | Reorder Authentication Providers | |
| Dev 2012, domain → Environment → Deployments → Services → Ser | You can reorder your Authentication Providers using the list below. By reordering Authentication Providers, you can alter 1 Select authenticator (s) in the list and use arrows to move them up and down in the list. | the authentication sequence. |
| How do I 🖂 | | |
| Re-order Authentication providers Set the JAAS control flag | OK Cancel | |
| System Status | | |
| Health of Running Servers | | |
| Faled (0) Critical (0) Overloaded (0) Warning (0) OK (3) | | |
| WebLogic Server Version: 12.1.3.0.0 | | |

9. Click on FCJCustomProvider.

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

| | dministration Console 12c | | Q | | | | | |
|--|------------------------------|---|--|--|--|--|--|--|
| Change Center | Home Log Out Preference | ces 🔤 Record Help | Welcome, weblogic Connected to: Dev1201_domain | | | | | |
| View changes and restarts | Home >Summary of Security F | Home >Summary of Security Realms >myrealm >Providers >FCICustomProvider >Providers >FCICustomProvider | | | | | | |
| Configuration editing is enabled. Future changes will automatically be activated as you | Settings for FCJCustomPro | Settings for FC/CustomProvider | | | | | | |
| modify, add or delete items in this domain. | Configuration | | | | | | | |
| Domain Structure | Common Provider Specif | fic | | | | | | |
| Dev1201_domain Brenvironment | Save | | | | | | | |
| Deployments Services | This page allows you to defi | ine the general configuration of this provider. | | | | | | |
| Security Realms El-Interoperability | 🏀 Name: | FC3CustomProvider | | | | | | |
| B Diagnostics | 1 Description: | Authentication provider for FLEXCUBE users | | | | | | |
| | 신 Version: | FCUBS 12.1 | | | | | | |
| | 🥌 Control Flag: | SUFFICIENT . | | | | | | |
| How do I | Save | | | | | | | |
| No task help found. | | | | | | | | |
| System Status | | | | | | | | |
| Health of Running Servers | | | | | | | | |
| Failed (0) | | | | | | | | |
| Critical (0) Overloaded (0) | | | | | | | | |
| Warning (0) | | | | | | | | |
| OK (3) | | | | | | | | |
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- 11. In Provider Specific tab

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



| | dministration Console 12c | | Q | | | | |
|--|--|-------------------------------|--|--|--|--|--|
| Change Center | 🔒 Home Log Out Preferences 🔤 Record Help | ٩ | Welcome, weblogic Connected to: Dev1201_domain | | | | |
| View changes and restarts | Home >Summary of Security Realms >myrealm >Providers >FCJCustomProvider >FCJCustomProvider | | | | | | |
| Configuration editing is enabled. Future changes will automatically be activated as you | Settings for FCJCustomProvider | | | | | | |
| modify, add or delete items in this domain. | Configuration | | | | | | |
| Domain Structure | Common Provider Specific | | | | | | |
| Dev1201_domain B -Environment | Save | | | | | | |
| Deployments Services | This page allows you to configure additional attribute | s for this security provider. | | | | | |
| Security Realms | 🗐 街 Ldap SSLEnabled | | | | | | |
| i≟-Diagnostics | 6 Authentication Type: | MSAD 💌 | | | | | |
| | 👸 Ldap Domain Name: | OFSS.COM | | | | | |
| | E Security Authentication Type: | simple - | | | | | |
| How do I 🕒 | 🎉 Ldap Server Ip And Port: | localhost389 | | | | | |
| No task help found. | External Password Required | | | | | | |
| System Status | 👸 Ldap Server Time Out Duration: | 0 | | | | | |
| Failed (0) | 🗐 🎼 Msad Or Ldap Login Required | | | | | | |
| Critical (0) Overloaded (0) | 🏀 JNDIName: | jdbc/fcjdevDS | | | | | |
| Warning (0) OK (3) | Save | | | | | | |
| WebLogic Server Version: 12.1.3.0.0 Copyright (c) 1996,2014, Oracle and/or its affiliates. Al | I rights reserved. n and/or its affiliates. Other names may be trademarks of their re | | | | | | |

12. For manually editing the config.xml go to the below path and open the config.xml file <ORACLE_HOME>\Middleware\user_projects\domains\base_domain\config\ The following codes need to be added at proper locations in the config.xml.

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 'FCJJPSProvider.jar' file inside the BPELbuild folder under SOURCE directory.
- 2. On the application server host, create a folder by name 'classes' at the location '<MIDDLEWARE_HOME>soa\soa\modules\oracle.soa.ext_11.1.x'.



- 3. Extract the file 'FCJJPSProvider.jar' and from the extracted content, copy the folder 'com' to: '<MIDDLEWARE_HOME>soa\soa\modules\oracle.soa.ext_11.1.x\classes'.
- 4. Navigate to the location

'<MIDDLEWARE_HOME>soa\soa\modules\oracle.soa.ext_11.1.x\classes\com\ofss\fcc\bpel\ cac'. Edit the properties file 'CISProperties.properties' and update 'JNDI.name' with the JNDI name same as Entity Name given in Multi Entity Names screen while creating property file 'fcubs.properties', e.g. 'jdbc/fcjdevDS'.

- Copy 'FCJJPSProvider.jar' to '<MIDDLEWARE_HOME>/user_projects/domains/<domain_name>/config/fmwconfig/ovd/plu gins/lib.Create the directory structure if it does not exists.



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

export ORACLE_HOME=/scratch/app/bpm12212(setting ORACLE_HOME) export WL_HOME=/scratch/app/bpm12212/wlserver(setting WL_HOME) export JAVA_HOME=/scratch/work_area/DBA/jdk1.8.0_144 (setting JAVA_HOME)

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

10. Once the above steps are completed, i.e. "Adapter created successfully: fcubsAdapter" message is displayed, restart the server.

1.2.3 Configuring libovd for MultiEntity

- 1. Continue step 1 to step5 from 1.2.2 section.
- 2. In the following steps replace the <EntityId> tag with the proper Entity name.





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 UserldPattern 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 >"/>

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

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

Note:- for any misconfiguration in libovd

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

For deleting fcubsAdapter use the below command:

Log in to the WSLT console by running the WLST script.For example: MW_HOME/oracle_common/common/bin/wlst.sh (UNIX)MW_HOME\oracle_common\common\bin\wlst.cmd (Windows)

Connect to your Administration Server using the following syntax:

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

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

Delete the misconfigured adapter using the following syntax: deleteAdapter(adapterName='fcubsAdapter')



1.2.4 Configuring for Multiple Providers for Multiple Entities

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

| Domain Structure | Helpful Tools | General Information | | | | | |
|--|--|---|---|--|--|--|--|
| soa domain | Configure applications | Common Administration Task Descriptions | | | | | |
| Domain Partitions | Configure GridLink for RAC Data Source | Common Administration Flask Descriptions Read the documentation | | | | | |
| Environment | Configure a Dynamic Cluster | Ask a guestion on My Orade Support | | | | | |
| Deployments | Recent Task Status | Make question on my oracle support | | | | | |
| Services Security Realms | Set your console preferences | | | | | | |
| Interoperability | Oracle Enterprise Manager | | | | | | |
| Diagnostics | Orade Enterprise Manager | | | | | | |
| | - Domain Configurations | | | | | | |
| | Domain | Resource Group Templates | Interoperability | | | | |
| | • Domain | Resource Group Templates | WTC Servers Jolt Connection Pools | | | | |
| | Domain Partitions | Resource Groups | | | | | |
| How do L | Domain Partitions | Resource Groups | Diagnostics | | | | |
| Search the configuration | Partition Work Managers | | Log Fles | | | | |
| Use the Change Center | | Deployed Resources | Diagnostic Modules | | | | |
| Record WLST Scripts | Environment | Deployments | Built-in Diagnostic Modules | | | | |
| Change Console preferences | Servers | | Diagnostic Images | | | | |
| Manage Console extensions | Clusters | Services | Request Performance | | | | |
| Monitor servers | Server Templates | Messaging | Archives | | | | |
| | Migratable Targets | JMS Servers | Context | | | | |
| System Status | Coherence Clusters | Store-and-Forward Agents | SNMP | | | | |
| Health of Running Servers | Machines | JMS Modules | Interceptors | | | | |
| Failed (0) | Virtual Hosts | Path Services | | | | | |
| Critical (0) | Virtual Targets | Bridges | Charts and Graphs | | | | |
| Overloaded (0) | Work Managers | Data Sources | Monitoring Dashboard ^図 | | | | |
| Warning (0) | Concurrent Templates | Persistent Stores | | | | | |
| OK (3) | Resource Management | XML Registries | | | | | |
| | Startup And Shutdown Classes | XML Entity Caches | | | | | |
| | | Foreign JNDI Providers | | | | | |
| | Application's Security Settings | Work Contexts | | | | | |
| | Security Realms | • jCOM | | | | | |
| | - | Mail Sessions | | | | | |
| | | FileT3 | | | | | |
| | | • JTA | | | | | |
| | | OSGi Frameworks | | | | | |

3. Click on myrealms.

| 0 | | | | | | | |
|--|--|---|--|--|--|--|--|
| ORACLE WebLogic Server A | dministration Console 12c | | Ģ | | | | |
| Change Center | 🔒 Home Log Out Preferences 📐 Record Help | Q | Welcome, weblogic Connected to: soa_doma | | | | |
| View changes and restarts | Home >Summary of Servers >Summary of Security Real | ms >myrealm >Providers >FCUBS >Summary of Security Re | alms >myrealm >Summary of Security Realms >myrealm >Summary of Security Realms | | | | |
| Configuration editing is enabled. Future changes will automatically be activated as you modify, add or delete items in this domain. Summary of Security Realms A security realm is a container for the mechanisms-including users, groups, security roles, security policies, and security providers-that are used to protect WebLogic resources. You can have me | | | | | | | |
| Domain Structure | active security realms in a WebLogic Server domain, | but only one can be set as the default security realm, wh | nich is reserved for domain administrative purposes. | | | | |
| soa_domain Domain Partitions Deployments Deployments Defloyments | This Security Realms page lists each security realm the security realm the security realm the stable security realm the stable security realm security realm the stable security realm securit | hat has been configured in this WebLogic Server domain. | Click the name of the realm to explore and configure that realm. | | | | |
| Security Realms | Realms (Filtered - More Columns Exist) | | | | | | |
| Interoperability Diagnostics | New Delete | | Showing 1 to 1 of 1 Previous Next | | | | |
| | 🔲 Name 🏟 | Default Realm | | | | | |
| | myrealm | true | | | | | |
| | New Delete | | Showing 1 to 1 of 1 Previous Next | | | | |
| How do I | | | | | | | |
| Configure new security realms | | | | | | | |
| Enable automatic realm restart | | | | | | | |
| Delete security realms | | | | | | | |
| Change the default security realm | | | | | | | |
| System Status | | | | | | | |
| Health of Running Servers | | | | | | | |
| Failed (0) Critical (0) Overloaded (0) Warning (0) OK (3) | | | | | | | |
| WebLogic Server Version: 12.2.1.0.0 Copyright (c) 1996,2015, Oracle and/or its affiliates. A Oracle is a registered trademark of Oracle Corporation | ill rights reserved. n and/or its affiliates. Other names may be trademarks of their r | espective owners. | | | | | |



4. Click on Providers.

| hange Center | Home Log C | Out Preferences 🔤 | Record Help | | Q | | | Welcome, weblogic Connected to: soa_do | |
|---|--|----------------------------|---------------|-----------------|------------|--|--------------|---|--|
| iew changes and restarts | Home >Summary of Security Realms >myrealm >Providers >FCUBS >Summary of Security Realms >myrealm >Summary of Security Realms >myrealm >Summary of Security Realms >myrealm | | | | | | | | |
| onfiguration editing is enabled. Future | Settings for myrealm | | | | | | | | |
| hanges will automatically be activated as you odify, add or delete items in this domain. | Configuration Users and Groups Roles and | | | icies Credentia | l Mappings | Providers | Migration | | |
| omain Structure | General R | BMS Security Store | User Lockout | Performance | | Pro | oviders- Tab | | |
| a_domain Domain Pattons I=swiroment Deployments Security Realms -Security Realms -Interoperability Diagnostics | Save Use this page to configure the general behavior of this security realm. Note: If you are implementing security using JACC (Java Authorization Contract for Containers as defined in JSR 115), you must use the DD Only security model. Other WebLogic Server models are not available and the security functions for Web applications and EBs in the Administration Console are disabled. | | | | | | | | |
| | Name: | | | myrealm | | | | The name of this security realm. More Info | |
| | 🕂 Security I | lodel Default: | | DD Only | | | | Specifies the default security model for Web applications or E3Bs that are secured by this security realm. You can override this default during deployment. More Info | |
| tow do I • Configure new security realms • Enable automatic realm restart | <table-cell> 🛃 Combi</table-cell> | ned Role Mapping E | nabled | | | | | Determines how the role mappings in the Enterprise Application, Web application, and EE containers interact. This setting is valid only for Web applications and EEBs that use the Advanced security model and that initialize roles from deployment descriptors. More Info | |
| Manage security for Web applications and EJBs Set the default security model | 🗐 👘 Use An | Authorization providers to | | | | Configures the WebLogic Server MBean servers to use the security realm's Authorization providers to determine whether a JMX client has permission to access an MBean attribute or invoke an MBean operation. More Info | | | |
| Delegate MBean authorization to the realm wstem Status | Automati | ally Restart After I | Von-Dynamic (| Thanges | | | | Specifies whether the Realm will be auto-restarted if non-dynamic changes are made to the realm or providers within the realm. More Info | |
| lealth of Running Servers | Retire Timeo | ut: | | 60 | | | | Specifies the retire timeout for a realm that is restarted. The old realm will be shutdown after the specified timeout period has elapsed. More Info | |
| Faled (0) Critical (0) Overloaded (0) Warning (0) OK (3) | - V Advance | 1 | | | | | | anucom and as specific anout period has supple, fore into | |

5. Click on New

| Change Center | 🏠 Home Log Out Preferences 🔤 Record Help | Q We | Icome, weblogic Connected to: soa_doma |
|---|--|---|---|
| View changes and restarts | Home >myrealm >Providers >FCUBS >Summary of Security Realms >myrealm | >Summary of Security Realms >myrealm >Summary of Security Realms >myrealm >Pro | widers |
| Configuration editing is enabled. Future | Settings for myrealm | | |
| changes will automatically be activated as you modify, add or delete items in this domain. | Configuration Users and Groups Roles and Policies Credential Mag | pings Providers Migration | |
| Domain Structure | Authentication Password Validation Authorization Adjudication | Role Mapping Auditing Credential Mapping Certification Path | |
| sea_domain © Domain Partitions © Environment I Deployments © Services © Services © Interoperability © Degnostics | | aldating a user. You must have one Authentication provider in a security realm, an are designed to access different data stores, such as LDAP servers or DBMS. | |
| | Name | Description | Showing 1 to 4 of 4 Previous Next Version |
| | FCUBS | Authentication provider for FLEXCUBE users | FCUBS 12.2 |
| How do I 🗉 | Trust Service Identity Asserter | Trust Service Identity Assertion Provider | 1.0 |
| Configure Authentication and Identity | DefaultAuthenticator | WebLogic Authentication Provider | 1.0 |
| Assertion providers Configure the Password Validation provider | DefaultIdentityAsserter | WebLogic Identity Assertion provider | 1.0 |
| Configure the Password validation provider Manage security providers | New Delete Reorder | | Showing 1 to 4 of 4 Previous Next |
| Set the JAAS control flag | | | |
| Re-order Authentication providers | | | |
| System Status | | | |
| Health of Running Servers | | | |
| Failed (0) Critical (0) Overloaded (0) Warning (0) OK (3) | | | |



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

| | dministration Console | 12c | |
|--|-----------------------|--|---|
| Change Center | Home Log Out F | references 🖉 Record Help | Welcome, weblogic Connected to: soa_dom |
| View changes and restarts | Home >FCUBS >Sun | mary of Security Realms >myrealm >Summary of Security Realms >myrealm >Summary | ary of Security Realms >myrealm >Providers >ENTITYID > Providers |
| Configuration editing is enabled. Future changes will automatically be activated as you modify, add or delete items in this domain. | Create a New Autho | ntication Provider | |
| Domain Structure | Create a new Au | thentication Provider | |
| soa_domain | | rties will be used to identify your new Authentication Provider. | |
| Services Security Realms | The name of the aut | hentication provider. | |
| Enteroperability Diagnostics | * Name: | ENTITYID | |
| How do I | Type: | FCUBSUserAuthenticator | |
| Manage security providers | | | |
| Configure Authentication and Identity Assertion providers | | | |
| System Status | | | |
| Health of Running Servers | | | |
| Failed (0) Critical (0) Overloaded (0) Warning (0) OK (3) | | | |
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7. Click on Reorder. Bring the Authenticatiorprovider to the first in the order and click ok.

| | dministration Console 12c | | Ç |
|---|---|--|--|
| Change Center | î Home Log Out Preferences 🔛 Record Help | Q | Welcome, weblogic Connected to: soa_doma |
| View changes and restarts | Home >FCUBS >Summary of Security Realms >myrealm >Summ | nary of Security Realms >myrealm >Summary of | Security Realms >myrealm >Providers >ENTITYID > Providers |
| Configuration editing is enabled. Future changes will automatically be activated as you modify, add or delete items in this domain. | Reorder Authentication Providers OK Cancel | | |
| Domain Structure | Reorder Authentication Providers | | |
| soa, domain HP: Tomain Partitons HP: Environment HP: Converse HP: Services HP: Services HP: Services HP: Interoperability HP: Diagnostics | You can reorder your Authentication Providers using the list Select authenticator(s) in the list and use arrows to move the Calubratic Available: Valiable: Trust Service Identity Assee DefaultAuthenticator DefaultIdentityAsserter Select Authenticator | | s, you can alter the authentication sequence. |
| How do I Re-order Authentication providers • Set the JAAS control flag | OK Cancel | | |
| | | | |
| System Status | | | |
| Health of Running Servers Failed (0) Ortical (0) Overloaded (0) Warning (0) OK (3) | | | |
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8. Click the Provider that we have created.

| Change Center | Hom | 💼 Home Log Out Preferences 🔤 Record Help | | | | | | | | Welcome, weblogi | c Connected to: soa_dom |
|--|----------|--|--------------------------------------|--------------------|-------------------|---|---------------|--------------------|--|------------------|-----------------------------|
| View changes and restarts | Home > | Home >myrealm >Summary of Security Realms >myrealm >Summary of Security Realms >myrealm >Providers >ENTITYID >Prov | | | | | | | | 's | |
| Configuration editing is enabled. Future | Settings | Settings for myrealm | | | | | | | | | |
| changes will automatically be activated as you modify, add or delete items in this domain. | Configu | uration Us | ers and Groups | Roles and Policies | Credential Mappir | igs Provider | s Migratio | n | | | |
| Domain Structure | Authe | entication | Password Valida | ion Authorization | n Adjudication | Role Mapping | Auditing | Credential Mapping | Certification Path | | |
| sea_domain © Domain Partitons B Environment — Deployments — Services — Securices — Security Realms @ Intercept ability B Diagnostics | provid | ders in a secu omize this t entication P | rity realm. Differe ta ble | | | | | | provider in a security re s LDAP servers or DBM | s. | ure multiple Authentication |
| | | Name | | | 1 | Description | | | | | Version |
| | . 🗆 e | ENTITYID | | | | Authentication pr | ovider for Fl | LEXCUBE users | 1 | FCUBS 12.2 | |
| How do I 🗉 |) 🔳 F | FCUBS | | | | uthentication pr | ovider for Fl | LEXCUBE users | 1 | FCUBS 12.2 | |
| Configure Authentication and Identity | 1 | Trust Service | Identity Asserter | | 1 | Trust Service Identity Assertion Provider | | | | | 1.0 |
| Assertion providers | | DefaultAuthe | nticator | | ١ | WebLogic Authentication Provider | | | | | 1.0 |
| Configure the Password Validation provider | | DefaultIdenti | tyAsserter | | ١ | VebLogic Identit | y Assertion p | provider | | 1.0 | |
| Manage security providers Set the JAAS control flag Re-order Authentication providers | New | v Delete | Reorder | | | | | | | Showing | 1 to 5 of 5 Previous Next |
| System Status | | | | | | | | | | | |
| Failed (0) Critical (0) Overloaded (0) Warning (0) | | | | | | | | | | | |

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

| | Iministration Console 12c | | | | | | | | |
|---|---|---|--|--|--|--|--|--|--|
| Change Center | Home Log Out Preferences | 😰 Home Log Out Preferences 🖾 Record Help | | | | | | | |
| View changes and restarts | Home > Summary of Security Realms > myrealm > Summary of Security Realms > myrealm > Providers > ENTITYID > Providers > ENTITYID > Providers > ENTITYID | | | | | | | | |
| Configuration editing is enabled. Future changes will automatically be activated as you modify, add or delete items in this domain. | Settings for ENTITYID Configuration | | | | | | | | |
| moury, add or delete items in this domain. | | | | | | | | | |
| Domain Structure | Common Provider Specific | | | | | | | | |
| soa_domain Domain Partitions Drenvironment | Save | | | | | | | | |
| Deployments | This page allows you to define | the general configuration of this provider. | | | | | | | |
| Services Security Realms | 🚯 Name: | ENTITYID | | | | | | | |
| ⊕ Interoperability ⊡ Diagnostics | Bescription: Authentication provider for FLEXCUBE users | | | | | | | | |
| | 億 Version: | | | | | | | | |
| | 🚝 Control Flag: | SUFFICIENT 💌 | | | | | | | |
| How do I | Save | | | | | | | | |
| No task help found. | | | | | | | | | |
| System Status | | | | | | | | | |
| Health of Running Servers | | | | | | | | | |
| Failed (0) Critical (0) Overloaded (0) Warning (0) | | | | | | | | | |
| OK (3) | | | | | | | | | |
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10. Select the provider specific tab .

| | dministration Console 12c | | Ģ | | | | | | |
|---|---|-------------------------------|--|--|--|--|--|--|--|
| Change Center | 🔒 Home Log Out Preferences 🔤 Record Help | Q | Welcome, weblogic Connected to: soa_doma | | | | | | |
| View changes and restarts | Home >Summary of Security Realms >myrealm >Summary of Security Realms >myrealm >Providers >ENTITYID >Providers >ENTITYID >Providers >ENTITYID | | | | | | | | |
| Configuration editing is enabled. Future changes will automatically be activated as you modify, add or delete items in this domain. | Settings for ENTITYID Configuration | | | | | | | | |
| Domain Structure | Common Provider Specific | | | | | | | | |
| soa_domain ∯∵Domain Partitions ∯∵Environment | Save | | | | | | | | |
| Deployments | This page allows you to configure additional attribute | s for this security provider. | | | | | | | |
| -Services -Security Realms -Interoperability | 🎉 Ldap Server Ip And Port: | localhost389 | | | | | | | |
| B-Diagnostics | 武] JNDIName: | jdbc/fcjdevDS | | | | | | | |
| | 🗐 🐴 External Password Required | | | | | | | | |
| | 🕂 Ldap Server Time Out Duration: | 0 | | | | | | | |
| How do I No task help found. | 🔲 🕼 Multi Entity Enabled | | | | | | | | |
| System Status | Security Authentication Type: | simple - | | | | | | | |
| Health of Running Servers | 🎼 Entity Id: | ENT1 | | | | | | | |
| Failed (0) Critical (0) Overloaded (0) | 👸 Ldap Domain Name: | OFSS.COM | | | | | | | |
| Warning (0) OK (3) | 🔲 街 Ldap SSLEnabled | | | | | | | | |
| | 🔲 👍 Msad Or Ldap Login Required | | | | | | | | |
| | Authentication Type: | MSAD 💌 | | | | | | | |
| | Save | | | | | | | | |
| WebLogic Server Version: 12.2.1.0.0 | | | | | | | | | |
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11. Change the JNDI name to the Datasource JNDI name which have mapped to the entity in the property file level and check the multi entity enabled checkbox.

| lange Center | 🔒 Home Log Out Preferences 🔤 Record Help | Q | Welcome, weblogic Connected to: soa_do | | | | | | |
|--|---|---|--|--|--|--|--|--|--|
| ew changes and restarts | Home >Summary of Security Realms >myrealm >Summ | ary of Security Realms >myrealm >Providers >ENTITYID >Providers | >ENTITYID >Providers >ENTITYID | | | | | | |
| onfguration editing is enabled. Future | Settings for ENTITYID | | | | | | | | |
| anges wil automatically be activated as you odfy, add or delete items in this domain. | Configuration | | | | | | | | |
| main Structure | Conmon Provider Specific | | | | | | | | |
| _domain Domain Partitions | Save | | | | | | | | |
| Environment Deployments | This page allows you to configure additional attribut | es for this security provider. | | | | | | | |
| -Services -Security Realms | 년 Ldap Server Ip And Port: | localhost 389 | | | | | | | |
| Interoperability Diagnostics | ر المعالقة (JNDIName: | jdbc/fcjdevDS | | | | | | | |
| | 🔤 👸 External Password Required | | | | | | | | |
| | d Ldap Server Time Out Duration: | 0 | | | | | | | |
| w do L E | 😨 🚓 Multi Entity Enabled | | | | | | | | |
| No task help found. | | | | | | | | | |
| stem Status E | Security Authentication Type: | simple 💌 | | | | | | | |
| alth of Running Servers | 👍 Entity Id: | ENT1 | | | | | | | |
| Faled (0) Critical (0) Overloaded (0) | 🛃 Ldap Domain Name: | OFSS.COM | | | | | | | |
| Warning (0) OK (3) | 🗐 🛃 Ldap SSLEnabled | | | | | | | | |
| | 📗 👘 Msad Or Ldap Login Required | | | | | | | | |
| | Authentication Type: | MSAD • | | | | | | | |
| | Save | | | | | | | | |
| ebLogic Server Version: 12.2.1.0.0 | | | | | | | | | |



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

| ORACLE WebLogic Server Adr | ministration Console 12c | | ç | | | | | | |
|---|--|-------------------|---|--|--|--|--|--|--|
| Change Center | 🔒 Home Log Out Preferences 🔤 Record Help | Q | Welcome, weblogic Connected to: soa_dom | | | | | | |
| View changes and restarts | Home > Summary of Security Realma > myrealm > Summary of Security Realma > myrealm > Providera > ENTITYID > Provid | | | | | | | | |
| Configuration editing is enabled. Future changes will automatically be activated as you modify, add or delete items in this domain. | Settings for ENTITYID Configuration | | | | | | | | |
| Domain Structure | Common Provider Specific | | | | | | | | |
| soa_domain Domain Partitions -Drowinonment -Deployments | Save This page allows you to configure additional attributes for this s | ecurity provider. | | | | | | | |
| Services Security Realms Difference interoperability | 🕂 Ldap Server Ip And Port: | localhost389 | | | | | | | |
| Diagnostics | 🛃 JNDIName: | jdbc/fcjdevDS | | | | | | | |
| | External Password Required | | | | | | | | |
| | 🛃 Ldap Server Time Out Duration: | 0 | | | | | | | |
| How do I | 🕑 🖑 Multi Entity Enabled | | | | | | | | |
| No task help found. | E Security Authentication Type: | simple 💌 | | | | | | | |
| System Status | | | | | | | | | |
| Health of Running Servers | 🔂 Entity Id: | ENT1 | | | | | | | |
| Faled (0) Critical (0) Overloaded (0) | 🥵 Ldap Domain Name: | OFSS.COM | | | | | | | |
| Warning (0) OK (3) | 🔄 🕂 Ldap SSLEnabled | | | | | | | | |
| | 🗐 👸 Msad Or Ldap Login Required | | | | | | | | |
| | E Authentication Type: | MSAD 💌 | | | | | | | |
| | Save | | | | | | | | |
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- 13. Create the new datasource for each entity with the JNDI name which we mapped in the property file.
- 14. Restart the Admin server
- 15. Continue the step1 to step15 for each provider creation in multientity scenario.



1.2.5 Configuring DBAdapter

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

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

| Change Center | 🏦 Home Log Out Preferences 🔝 Record Help | | | | | | | | | |
|---|---|------------------------------|---|---------------|--------|---------------------------|--|-------------------------|--|--|
| View changes and restarts | | Home >Summary of Deployments | | | | | | | | |
| Configuration editing is enabled. Future | Summary of Deployments Control Monitoring | | | | | | | | | |
| changes will automatically be activated as you modify, add or delete items in this domain. | | | | | | | | | | |
| Ormain Structure 9: Environment - Deployments 9: Services Security Realms 9: Interoperability 9: Deponents | | (redeplo | e displays a let of Java EE applications and stand-alone application modules that have been in yed), or deleted from the domain by first selecting the application name and using the controls I a new application or module for deployment to targets in this domain, dick the Install button. size this table ments | s on this pag | | nstalled application | ns and modules can be starte | d, stopped, updated | | |
| | | Install | Update Delete Start ~ Stop ~ | | r. | , | Showing 1 to 4 | 7 of 47 Previous Next | | |
| | | 🗐 Na | ime 🗇 | State | Health | Туре | Targets | Deployment Order | | |
| | | • | AqAdapter | Active | 🖋 ОК | Resource Adapter | soa_server1 | 324 | | |
| Iow do I Instal an enterprise application | | • | Co babui | Active | 🖋 ок | Enterprise Application | soa_server1 | 313 | | |
| Configure an enterprise application Update (redeploy) an enterprise application | | • | BamComposer | New | | Enterprise Application | bam_server1 | 500 | | |
| Start and stop a deployed enterprise application | | | BamCQService | New | | Enterprise Application | bam_server1 | 300 | | |
| Monitor the modules of an enterprise application | | | Co BamServer | New | | Enterprise Application | bam_server1 | 400 | | |
| Deploy EJB modules Instal a Web application | | | Composer | Active | 🖋 ок | Enterprise Application | soa_server1 | 385 | | |
| iystem Status 🖂 | | | coherence-transaction-rar | Active | 🖋 ок | Resource Adapter | AdminServer, bam_server1, soa_server1 | 100 | | |
| lealth of Running Servers | | • | CoherenceAdapter | Installed | | Resource Adapter | | 331 | | |
| Failed (0) Critical (0) | | • | DbAdapter | Active | 🖋 ок | Resource Adapter | soa_server1 | 322 | | |
| Overloaded (0) Warning (0) | | • | DefaultToDoTaskFlow | Active | 🖋 ок | Enterprise Application | soa_server1 | 314 | | |
| OK (2) | | B | DMS Application (12.1.3.0.0) | Active | 🖋 ок | Web Application | AdminServer, bam_server1, soa_server1 | 5 | | |
| | | E | Eð em | Active | 🖋 ок | Enterprise Application | AdminServer | 400 | | |
| | | E | FCUBSApp (12.1.0.0) | Prepared | 🖉 ок | Enterprise Application | soa_server1 | 500 | | |

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

| | dministration Console 12c | Q | | | | | | | | |
|--|--|---|--|--|--|--|--|--|--|--|
| Change Center | 😰 Home Log Out Preferences 🖾 Record Help | | | | | | | | | |
| View changes and restarts | Home >Summary of Deployments > DbAdapter | | | | | | | | | |
| Configuration editing is enabled. Future | Settings for DiAdapter Overview Deployment Plan Configuration Security Targets Control Testing Monitoring Notes | | | | | | | | | |
| changes will automatically be activated as you modify, add or delete items in this domain. | | | | | | | | | | |
| Domain Structure | General Properties Outbound Connection Pools Admin Objects Workload Instrumentation | | | | | | | | | |
| Dev1201_domain ⊕ Tenvironment ⇔ Deployments ⊕ Services → Security Realms ⊕ Interoperability ⊕ Diagnostics | This page displays a table of Outbound Connection Rood groups and instances for this resource adapter. The too level entries in the table of outbound connection Rood are not displayed in the table of group. Gold the name of a group or instance to configure it. Automatically generated Connection Pode are not displayed in the ta Outbound Connection Pool Configuration Table | for a Connection Pool instance within an Outbound Connection able below. | | | | | | | | |
| | New Delete | Showing 1 to 1 of 1 Previous Next | | | | | | | | |
| | Connection Factory Ir | iterface | | | | | | | | |
| | B javax.resource.cci.ConnectionFactory javax.resource.cci.ConnectionFactory | ctionFactory | | | | | | | | |
| | New Delete | Showing 1 to 1 of 1 Previous Next | | | | | | | | |
| How do L | | | | | | | | | | |
| Configure outbound connection pool properties | | | | | | | | | | |
| System Status | | | | | | | | | | |
| Health of Running Servers | | | | | | | | | | |
| Failed (0) Critical (0) Overloaded (0) Warning (0) OK (2) | | | | | | | | | | |
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- 3. Click 'Configuration' tab and select 'Outbound Connection Pools' under it.
- 4. Under 'Groups and Instances', click and expand 'javax.resource.cci.ConnectionFactory'.
- 5. Click 'New' and select 'javax.resource.cci.ConnectionFactory' in Outbound Connection Group.
- 6. Define 'JNDI Name' as 'eis/DB/FCCDEV' and click on 'Finish'.

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

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

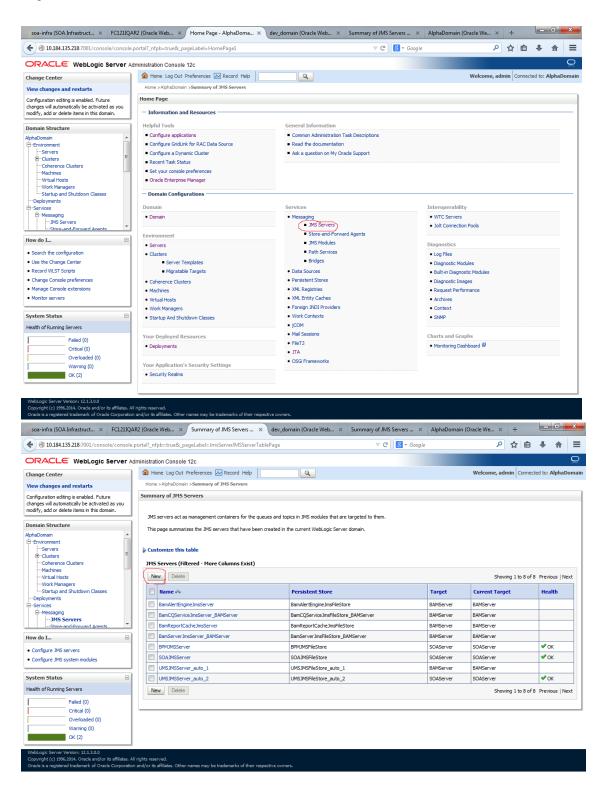
| Change Center | 🔒 Home | Log Out Prefer | rences 💽 Re | acord Help | | Q | | Welcome | e, weblogic Connected to: Dev1201_doma |
|---|---------------------|-------------------|----------------|-----------------------|------------------|--------------------|---|-------------------------|--|
| View changes and restarts | Home >S | Summary of Deplo | yments >DbAd | lapter | | | | | |
| Configuration editing is enabled. Future | Settings f | ior javax.reso | urce.cci.Conr | nectionFactory | | | | | |
| changes will automatically be activated as you modify, add or delete items in this domain. | General | Properties | Transaction | Authentication | Connectio | on Pool Logging | 2 | | |
| Domain Structure | This par | ce allows you to | view and modif | ify the configuration | vo nronerties | of this outbound | connection pool. Properties you modify here a | are saved to a deployme | ant nlan. |
| Dev 120 1_domain | | ind Connection | |) uie eeningen | , by other error | / die eewer | Connectori passi i reper ese yes inc, | | and powers |
| E-Services | Save | | | | | | | | Showing 1 to 8 of 8 Previous Next |
| Interoperability Diagnostics | Proper | rty Name 🚕 | | Property Type | P | roperty Value | | 5 | Supports Dynamic Updates |
| | DataSo | urceName | | java.lang.String | jd | lbc/fcjdevDS | | fe | alse |
| | DefaultNChar | | | java.lang.Boolean | n fai | lse | | fe | alse |
| | Platform | PlatformClassName | | java.lang.String | or | g.eclipse.persiste | ence.platform.database.Oracle10Platform | fa | alse |
| | Sequent | cePreallocationSi | ize | java.lang.Integer | r 50 | 1 | | fa | alse |
| | UsesBat | tchWriting | | java.lang.Boolean | n tru | Je | | fa | alse |
| How do I 🗉 | UsesNa ⁴ | ativeSequencing | | java.lang.Boolean | n tru | ue | | fe | alse |
| Configure outbound connection pool | UsesSkir | ipLocking | | java.lang.Boolean | n tru | ue | | fe | alse |
| properties | XAData | SourceName | | java.lang.String | | | | fa | alse |
| System Status 🗉 | Save | | | | | | | | Showing 1 to 8 of 8 Previous Next |
| Health of Running Servers | | | | | | | | | |
| Failed (0) Critical (0) Overloaded (0) Warning (0) Ok (2) | | | | | | | | | |

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



1.2.6 Configuring JMS Adapter

Login in to console \rightarrow Click on JMS Servers \rightarrow New



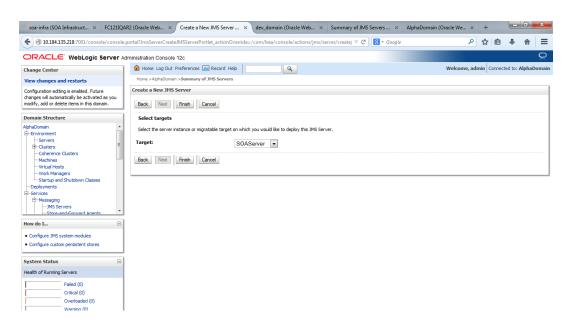


 Please provide the below Name for JMS Server and select the file persistent store as below→Next

| soa-infra (SOA Infrastruct × FC1211QA | R2 (Oracle Web × Create a New JMS Server × dev_domain (Oracle Web × Summary of JMS Server | s × AlphaDomain (Oracle We × + |
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| | ministration Console 12c | Q |
| Change Center | 😰 Home Log Out Preferences 🖾 Record Help | Welcome, admin Connected to: AlphaDomain |
| View changes and restarts | Home >AlphaDomain >Summary of JMS Servers | |
| Configuration editing is enabled. Future changes will automatically be activated as you | Create a New JMS Server | |
| changes will automatically be activated as you modify, add or delete items in this domain. | Back Next Finish Cancel | |
| Domain Structure | JMS Server Properties | |
| AlphaDomain | The following properties will be used to identify your new JMS Server. * Indicates required fields | |
| Coherence Clusters Machines | What would you like to name your new JMS Server? | |
| Virtual Hosts Work Managers Startup and Shutdown Classes | dg *Name: FCUBSJMSServer | |
| DeploymentsServices | Specify persistent store for the new JMS Server. | |
| -MessagingJMS Servers | Persistent Store: SOAJMSFileStore Create a New Store | |
| How do I | Back Next Finish Cancel | |
| Configure JMS system modules | | |
| Configure custom persistent stores | | |
| System Status | | |
| Health of Running Servers | | |

2. Select the target as SOA Server \rightarrow Finish

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





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|--|--|--|--|----------------|---|---|--------------|-----------|----------|
| | Administration Consol | e 12c | | | | | | | (|
| hange Center /iew changes and restarts | | Preferences Record Help | Q | | | Welcome, adn | nin Connec | ted to: A | lphaDoi |
| onfiguration editing is enabled. Future hanges will automatically be activated as you odify, add or delete items in this domain. | | we been activated. No restarts are r eated successfully | necessary. | | | | | | |
| omain Structure | Summary of JMS | Servers | | | | | | | |
| phaDomain Servers Coherence Clusters Machines | | | ueues and topics in JMS modules that are ta in created in the current WebLogic Server di | - | | | | | |
| Virtual Hosts Work Managers Startup and Shutdown Classes | Customize this | s table | | | | | | | |
| | | | | | | | | | |
| Deployments | JMS Servers (F | iltered - More Columns Exist) | | | | | | | |
| Deployments 3-Services | JMS Servers (F | | | | | Showin | ng 1 to 9 of | 9 Previo | us Nex |
| Deployments | | | Persistent Store | | Target | Showin | - | 9 Previor | |
| DeploymentsServicesMessagingJMS Servers | New Delete | e | Persistent Store BanAlertEngineJmsFileStore | | Target BAMServer | | - | | |
| -Deployments -Services -Messaging | New Delete Name 🌣 | 8 | | 3AMServer | - | Current Targe | - | | |
| -Deployments -Services -MessagingJHS ServersStore-and-Forward Agents * | New Delete Name 🌣 BamAlertEn BamCQServ | e gneJmsSer\ Sort table by Name | BamAlertEngineJmsFileStore | | BAMServer | Current Targe BAMServer | - | | |
| Deployments Services Pressaging Pressaging PolS Servers MS Servers wdo L Configure JMS servers | New Delete Name 🗞 BamAlertEn BamCQServ BamReport | gineJmsServ Sort table by Name | BamAlertEngineJmsFileStore_B BamCQServiceJmsFileStore_E | e | BAMServer BAMServer | BAMServer BAMServer | - | | |
| Deployments Services Services Services Streated Forward Assente W do L. | New Delete Name & BamAlertEn BamCQServ BamReport BamServer | e gine.hmsServ{ Sort table by Name} kce.hmsServer_BAMServer Cache.hmsServer BAMServer | BamAlertEngineJmsFileStore BamCQServiceJmsFileStore_E BamReportCacheJmsFileStore | e | BAMServer BAMServer BAMServer | Current Target BAMServer BAMServer BAMServer | - | | th |
| Deployments Services Messaging Difference Services Services Services Configure 3MS services Configure 3MS services stem Status | New Delete Name & BamAlertEn BamCQServ BamReportt BamServer2 | e gine Innsfer (Sont table by Name) Kre Innsferver JAMServer Cache Innsferver Innsferver JAMServer ver | BamAlertEngineJmsFileStore BamCQServiceJmsFileStore_f BamReportCacheJmsFileStor BamServerJmsFileStore_BAM | e | BAMServer BAMServer BAMServer BAMServer | Current Targe BAMServer BAMServer BAMServer BAMServer BAMServer | - | Healt | th |
| Deployments Services Messaging Messaging Messaging Configure 3MS servers Configure 3M | New Delete Name & BamAlertEn BamCQServ BamReportt BamServer BPMJMSSer | e grieJmsSer (<u>Sort table by Name</u> kceJmsServer JAMServer CohelmsServer JimsServer JAMServer ver jerver | BamAlertEngineJmsFileStore BamCQServiceJmsFileStore_f BamReportCache ImsFileStor BamServerJmsFileStore_BAM BPMJMSFileStore | e | BAMServer BAMServer BAMServer BAMServer SOAServer | Current Targe BAMServer BAMServer BAMServer BAMServer SOAServer | - | Healt | th |
| Deployments Services Services Messandifforward anoets w do L. Configure 3MS serviers Configure 3MS serviers stem Status status status | New Delete Name & BamAlertEn BamCQServ BamReportt BamServer BPMJMSSer FCUBSJMSS | e greinsServ KechnsServer JANServer CachehmsServer ImsServer_JANServer ver Ierver ver | BamAlertEngine.hmFileStore BamCQService.hmFileStore_J BamReportCache.hmFileStore_BAM BamServer3mFileStore_BAM SPMJMSFileStore SOAJMSFileStore | e | BAMServer BAMServer BAMServer BAMServer SOAServer SOAServer | Current Targe BAMServer BAMServer BAMServer BAMServer SOAServer SOAServer | - | Healt | th |
| Deployments Services Services Services Services Services Services Services Configure JMS servers Configure JMS servers Setem Status Setem Status Fated (0) | New Deletri Name & BamAler En BamCeport BamReport BamServer PCuBS MSS SOAJMSSer | e gine.hmsSer/ Sont table by Name Ide.hmsServer, BAMServer Cache.hmsServer ImmServer_BAMServer ver ierver ver ver_ ver_ ver_ ver_ ver_ uto_1 | BanvlertEngine.http://estore Ban/CQService.http://estore BanReportCadte.http://estore_BAM BanBerver.http://estore_BAM BPMJMSFieStore SOAJMSFieStore SOAJMSFieStore | e | BAMServer BAMServer BAMServer BAMServer SOAServer SOAServer SOAServer | Current Target BAMServer BAMServer BAMServer BAMServer SOAServer SOAServer SOAServer | - | Healt | th |

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Critical (0)

Overloaded (0)

Warning (0) OK (2)

ic Server Version: 12.1.3.0.0 ht (c) 1996,2014, Oracle and/or its affiliates. All rights reserved. a renistered trademark of Oracle Corporation and/or its affiliates. Other na

Your Application's Security Settings

Security Realms

3. 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... × + (⇐) ➡ @ 10.184.135.218:7001/console/console.portal?_nfpb=true&_pageLabel=HomePage1 V C 🛛 V Google ORACLE WebLogic Server Administration Console 12c Welcome, admin Connected to: AlphaDomain 🔒 Home Log Out Preferences 🔤 Record Help Q Change Center Home >AlphaDomain >Summary of JMS Servers >Summary of JMS Modul View changes and restarts Configuration editing is enabled. Future changes will automatically be activated as you modify, add or delete items in this domain. Home Page - Information and Resources Helpful Tools General Information Domain Structure Domain Structure AphaDomain → Envrorment → Gervers → Coherence Clusters → Machines → Work Managers → Work Managers → Services → Services → Services → Services → Servers → Se Configure applications Common Administration Task Descriptions Configure GridLink for RAC Data Source Read the documentation Configure a Dynamic Cluster Ask a question on My Oracle Support Recent Task Status Set your console preferences Orade Enterprise Manager — Domain Configurations Domain Services Interoperability Messaging Domain WTC Servers JMS Servers Jolt Connection Pools Store-and-Forward Agents Environment How do I... - IMS Modules Path Services Diagnostics Servers Ousters Server Templates Migratable Targets Search the configuration Log Files Bridges Use the Change Center Diagnostic Modules Record WLST Scripts Data Sources Built-in Diagnostic Modules Change Console preferences Persistent Stores Coherence Clusters Diagnostic Images Manage Console extensions Machines XML Registries Request Performance Monitor servers XML Entity Caches Virtual Hosts Archives Foreign JNDI Providers • Context Work Managers System Status Work Contexts Startup And Shutdown Classes SNMP iCOM Health of Running Servers Mail Sessions Your Deployed Resources Charts and Graphs Failed (0) • FileT3 • Monitoring Dashboard Deployments



Q

• JTA

OSGi Frameworks

| | oortal?_nfpb=true&_pageLabel=JmsModulesTablePage $\triangledown C$ | ☆ | ē 1 | · • | |
|---|---|-------------|------------|-------------|------|
| RACLE WebLogic Server Ad | ministration Console 12c | | | | ç |
| ange Center | 🔒 Home Log Out Preferences 🔤 Record Help | dmin Co | onnected (| o: AlphaC | Dom |
| w changes and restarts | Home >AlphaDomain >Summary of JMS Servers >Summary of JMS Modules | | | | |
| nfiguration editing is enabled. Future inges will automatically be activated as you dify, add or delete items in this domain. | Summary of JHS Hodules JMS system resources are configured and stored as modules similar to standard JZEE modules. Such resources include queues, topics, connection factories, templates, distributed queues, distributed topics, foreign servers, and JMS store- and-forward (SAF) parameters. You can administratively configure and manage JMS system moc | | | | 5. |
| Environment | This page summarizes the JMS system modules that have been created for this domain. Customize this table JMS Modules | | | | |
| Work Managers Startup and Shutdown Classes | New Delete Sh | wing 1 to (| 8 of 8 Pr | evious N | lext |
| Deployments Services | 🗌 Name 🔅 | Туре | • | | |
| -MessagingJMS Servers | BamAlertEngineJmsSystemModule | Syster | m | | |
| Store-and-Forward Agents | BamCQServiceJmsSystemResource_BAMServer | Syster | m | | |
| w do I | BamReportCacheJmsSystemModule | Syster | m | | |
| | BamServerJmsSystemResource | Syster | m | | |
| Configure JMS system modules Configure resources for JMS system modules | BPM3MSModule | Syster | m | | |
| compute resources for JMS system modules | SOAJMSModule | Syste | m | | |
| stem Status 🖂 | UMSAQJMSSystemResource | Syste | m | | |
| alth of Running Servers | UMSJMSSystemResource | Syster | m | | |
| Failed (0) Critical (0) Overloaded (0) | New Delete She | wing 1 to 8 | 8 of 8 Pr | evious Ne | lex |

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

| soa-infra (SOA Infrastruct × FC1211QAR | 2 (Oracle Web × Create JMS System Modu | × dev_domain (Oracle Web | × Summary of JMS Servers × | AlphaDomain (Oracle We 🗙 | + | | × |
|---|--|---|--------------------------------------|--------------------------|------------|--------------|---------|
| I 0.184.135.218:7001/console/console.p | ortal?CreateJMSSystemModulePortletreturnTo=Jr | msModulesTablePage&JmsModulesT | ablePortlethanı 🔻 Cl 🚺 👻 Googl | e 🔎 | ☆自 | . ♦ | ≡ |
| | ninistration Console 12c | | | | | | õ |
| Change Center | 🚹 Home Log Out Preferences 🔤 Record Help | | | Welcome, ad | min Connec | ted to: Alph | aDomain |
| View changes and restarts | Home >AlphaDomain >Summary of JMS Servers >Su | ammary of JMS Modules | | | | | |
| Configuration editing is enabled. Future changes will automatically be activated as you | Create JMS System Module | | | | | | |
| modify, add or delete items in this domain. | Back Next Finish Cancel | | | | | | |
| Domain Structure | The following properties will be used to ide | entify your new module. | | | | | |
| AlphaDomain ▲ D=Environment ■ D=Environment ■ D=Custers ■ H=Colusters ■ H=Colusters ■ H=Columents = H=Columents = H=C | 3MS system resources are configured and stored distributed queues, distributed topics, foreign ser * Indicates required fields | | | | | | ies. |
| Work Managers | What would you like to name your System Module? | ? | | | | | |
| | * Name: FCI | UBSJMSModule | | | | | |
| | What would you like to name the descriptor file name | me? If you do not provide a name, a def | ault will be assigned. | | | | |
| How do I | Descriptor File Name: | | | | | | |
| Configure JMS system modules | Where would like to place the descriptor for this Sy | ystem Module, relative to the jms configu | ration sub-directory of your domain? | | | | |
| Configure JMS servers | Location In Domain: | | | | | | |
| System Status | Back Next Finish Cancel | | | | | | |
| Health of Running Servers | | | | | | | |
| Failed (0) Critical (0) Overloaded (0) Warning (0) Oir (2) | | | | | | | |
| WebLogic Server Version: 12.1.3.0.0 Copyright (c) 1996,2014, Oracle and/or its affiliates. All i Oracle is a registered trademark of Oracle Corporation : | rights reserved. and/or its affiliates. Other names may be trademarks of the | eir respective owners. | | | | | |



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| () 10.184.135.218:7001/console/console.p | portal?CreateJMSSystemModulePortlet_actionOverride=/com/bea/console/actions/jms/modules/syste 🛡 🕑 🔞 • Google 🖉 🏠 🖨 🗍 🗧 |
| | iministration Console 12c Q |
| Change Center | Brome Log Out Preferences Record Help Welcome, admin Connected to: AlphaDomain |
| View changes and restarts | Home >AlphaDomain >Summary of JMS Servers >Summary of JMS Hodules |
| Configuration editing is enabled. Future | Create JHS System Module |
| changes will automatically be activated as you modify, add or delete items in this domain. | Back Neat Finish Cancel |
| Domain Structure | The following properties will be used to target your new JMS system module. |
| AlphaDomain AlphaDomain Christen Constraints Constrain | 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 : |
| Virtual Hosts Work Managers | |
| Startup and Shutdown Classes | Servers |
| DeploymentsServices | AdminServer |
| -Messaging -JMS Servers -Store-and-Forward Agents - | BAHServer |
| How do I | SoAServer |
| Configure JMS system modules Configure JMS servers | Book Ned Printh Cancel |
| System Status | |
| Health of Running Servers | |
| Failed (0) Critical (0) Overloaded (0) Warning (0) OK (2) | |
| WebLogic Server Version: 12.1.3.0.0 | |
| | |
| | (Uracle web., X) Settings for FCUb3MMM., X dev_domain (Uracle web., X summary or Ms servers X Alphauomain (Uracle we., X T |
| (@ 10.184.135.218:7001/console/console.por | tal?_nfpb=true&_pageLabel=JMSSystemModuleConfigGeneralPage&UMSSystemModuleConfigGen 🔍 🕄 - Google 🖉 🏠 自 🦊 🎓 🚍 |

| ORACLE WebLogic Server Ad | ministration Console 12c | | | | | Q |
|---|---|--------------------|------------------|---|--------------------------------------|--|
| Change Center | 🔒 Home Log Out Preferences 🔺 | Record Help | | Q | | Welcome, admin Connected to: AlphaDomain |
| View changes and restarts | Home > AlphaDomain > Summary of J Messages | MS Servers >Summ | nary of JMS Modu | es >FCUBSJMSModule | | |
| Configuration editing is enabled. Future changes will automatically be activated as you modify, add or delete items in this domain. | ✓ All changes have been activate ✓ The JMS module was created su | | necessary. | | | |
| Domain Structure | Settings for FCUBSJMSModule | | | | | |
| AlphaDomain | Configuration Subdeployments | Targets Sec | curity Notes | | | |
| | This page displays general informa | tion about a JMS s | system module ar | nd its resources. It also allows you to | configure new resources and acces | s existing resources. |
| Virtual Hosts Work Managers | Name: | | FCUBSJMSM | odule | The name of this JM | S system module. More Info |
| Startup and Shutdown ClassesDeploymentsServices | Descriptor File Name: | | jms/fcubsjms | module-jms. xml | The name of the JM: | S module descriptor file. More Info |
| Hessaging | This page summarizes the JMS res destination quota, distributed des | | | | ueue and topic destinations, connect | ion factories, JMS templates, destination sort keys, |
| How do I 🗉 | Customize this table | | | | | |
| No task help found. | Summary of Resources | | | | | |
| System Status | New Delete | | | | | Showing 0 to 0 of 0 Previous Next |
| Health of Running Servers | 🔲 Name 🖘 | Туре | JND | I Name | Subdeployment | Targets |
| Failed (0) | | | | There are no items t | to display | |
| Critical (0) Overloaded (0) | New Delete | | | | | Showing 0 to 0 of 0 Previous Next |
| Warning (0) OK (2) | | | | | | |



5. Go back to JMS Modules→FCUBSJMSModule→New

| soa-infra (SOA Infrastruct × FC1211QA | R2 (Oracle Web × Settings for FC | UBSJMSM × a | ev_domain (Oracle Web × Summar | of JMS Servers × AlphaDomain (Oracle We | × + - 0 × |
|--|---|-----------------------|---|---|------------------------------------|
| I0.184.135.218:7001/console/console.pdf | oortal?_nfpb=true&_pageLabel=JMSSys | temModuleConfigG | eneralPage&handle=com.bea.console.han | ⊽ C ⁱ Soogle | ₽☆自∔ 余 ☰ |
| | ministration Console 12c | | | | õ |
| Change Center | 🔒 Home Log Out Preferences 🔤 R | Record Help | ٩ | Welcome, | admin Connected to: AlphaDomain |
| View changes and restarts | Home > AlphaDomain > Summary of JMS Modules > FCUBSJMSModule | Servers >Summary of I | MS Modules > FCUBSJMSModule > Summary of JP | IS Modules > FCUBSJMSModule > Summary of JMS Modules > F | CUBSJMSModule >Summary of JMS |
| Configuration editing is enabled. Future changes will automatically be activated as you | Settings for FCUBSJMSModule | | | | |
| modify, add or delete items in this domain. | Configuration Subdeployments | Targets Security | Notes | | |
| Domain Structure | | | | | |
| AlphaDomain | This page displays general information | n about a JMS system | nodule and its resources. It also allows you to | configure new resources and access existing resources. | |
| B-Clusters | Name: | FO | JBS JMSModule | The name of this JMS system module. More | e Info |
| Machines Virtual Hosts | Descriptor File Name: | jms | /fcubsjmsmodule-jms.xml | The name of the JMS module descriptor file. | More Info |
| Work ManagersStartup and Shutdown ClassesDeployments ⊖-Services ⊟-Messaging | This page summarizes the JMS resour destination quota, distributed destina | | | sue and topic destinations, connection factories, JMS templ | ates, destination sort keys, |
| JMS Servers | Customize this table | | | | |
| How do L | Summary of Resources | | | | |
| No task help found. | New Delete | | | s | howing 0 to 0 of 0 Previous Next |
| | 🔲 Name 🗞 | Туре | JNDI Name | Subdeployment | Targets |
| System Status | | | There are no items t | o display | |
| Health of Running Servers | New Delete | | | si | howing 0 to 0 of 0 Previous Next |
| Failed (0) Critical (0) | | | | | |
| Overloaded (0) | | | | | |
| Warning (0) OK (2) | | | | | |
| WebLogic Server Version: 12.1.3.0.0 Copyright (c) 1996,2014, Oracle and/or its affliates. All Oracle is a constant indexest of Oracle Companying | | | | | |

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

| (B) 10 104 107 010 7001 / | sole.portal? nfpb=true& pageLabel=JmsCreateSystemModuleEntity&JmsCreateSystemModu | |
|--|--|---|
| 010.184.135.218:7001/console/con | sole.portal/_ntpb=true&_pageLabel=JmsCreateSystemModuleEntity&UmsCreateSystemModu | leEntityPortlet ⊽ C Google P 🏠 自 🖡 1 |
| RACLE WebLogic Serve | r Administration Console 12c | |
| nge Center | 🔒 Home Log Out Preferences 🔤 Record Help | Welcome, admin Connected to: Alpha |
| r changes and restarts | Home >AlphaDomain >Summary of JMS Servers >Summary of JMS Modules >FCUBSJMSModule JMS Modules >FCUBSJMSModule | >Summary of JMS Modules >FCUBSJMSModule >Summary of JMS Modules >FCUBSJMSModule >Summary |
| iguration editing is enabled. Future ges will automatically be activated as you | | |
| fy, add or delete items in this domain. | | |
| ain Structure | Back Next Finish Cancel | |
| Domain | Choose the type of resource you want to create. | |
| nvironment | | |
| Servers Clusters | Use these pages to create resources in a JMS system module, such as queues, topics, temp | lates, and connection factories. |
| Coherence Clusters Machines | | for creating the resource. For targetable resources, like stand-alone queues and topics, connection n also proceed to targeting pages for selecting appropriate server targets. You can also associate MS module resources and the members to server resources. |
| Virtual Hosts Work Managers | ange date readures man addeptoyments, when is an advanced mechanism for grouping a | no mouse readerees and the memoria to active readerees. |
| Startup and Shutdown Classes Deployments | Connection Factory | Defines a set of connection configuration parameters that are used to create connections for JMS clients. More Info |
| Services Messaging | | |
| ···JMS Servers ···Store-and-Forward Agents | ← Queue | Defines a point-to-point destination type, which are used for asynchronou peer communications. A message delivered to a queue is distributed to on one consumer. Nore info |
| / do I | Ξ | |
| onfigure quotas for destinations | © Торіс | Defines a publish/subscribe destination type, which are used for |
| onfigure JMS templates | | asynchronous peer communications. A message delivered to a topic is distributed to all topic consumers. More Info |
| onfigure destination keys | | |
| onfigure topics | 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 dients. More Info. |
| onfigure queues | | which are accessible as a single, logical queue to JMS clients. More Into. |
| onfigure connection factories | Distributed Topic | Defines a set of topics that are distributed on multiple JMS servers, but |
| onfigure uniform distributed topics | | which are accessible as a single, logical topic to JMS clients. More Info |
| onfigure uniform distributed queues | Foreign Server | Defines foreign messaging providers or remote WebLogic Server instances |
| onfigure foreign servers onfigure JMS SAF | United Street | that are not part of the current domain. More Info |
| angue si o ori | © Quota | Controls the allotment of system resources available to destinations. Mo |
| tem Status | | Info |
| Ith of Running Servers | Destination Sort Key | Defines a unique sort order that destinations can apply to arriving |
| Failed (0) | | messages. More Info |
| Critical (0) | © JMS Template | Defines a set of default configuration settings for multiple destinations. |
| Overloaded (0) Warning (0) | | Info |
| OK (2) | 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 duster that is imported into the local duster or server instance so that the local server instance or duster can send messages to the rem server instance or cluster. More Info |
| | | |
| | Remote SAF Context | Defines the URL of the remote server instance or duster where a JMS |



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

| soa-infra (SOA Infrastruct × FC1211QA | R2 (Oracle Web × Create a New JMS System × dev_domain (Oracle Web × Summary of JMS Servers × AlphaDomain (Oracle We × + |
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| 10.184.135.218:7001/console/console. | portal?JmsCreateSystemModuleEntityPortlet_actionOverride=/com/bea/console/actions/jms/connecti 🛡 🕑 🚼 - Google 🖉 🏠 🖨 🕴 🛔 🚍 |
| | iministration Console 12c |
| Change Center | Home Log Out Preferences 🗁 Record Help Welcome, admin Connected to: AlphaDomain |
| View changes and restarts | Home >Summary of JMS Modules >PCUBSIMSHodule >Summary of JMS Modules >FCUBSIMSModule >FCUBSCOnnectionfactory >Summary of JMS Modules >FCUBSIMSModule >Summary of JMS Modules >FCUBSIMSModules >Summary of JMS Modules >FCUBSIMSModule >Summary of JMS |
| Configuration editing is enabled. Future changes will automatically be activated as you modify, add or delete items in this domain. | Create a New JMS System Module Resource |
| Domain Structure | Back Not Rnish Advanced Targeting Cancel |
| AlphaDomain | The following properties will be used to target your new JHS system module resource Use this page to view and accept the default targets where this JHS resource will be targeted. The default targets are based on the parent JHS system module targets. If you do not want to accept the default targets, then did. AdVanceI Targeting to use the subdeployment intervation for targeting the resource. |
| Coherence ClustersMachinesWirtual HostsWirtual HostsWork ManagersStartup and Shutdown ClassesStartup and Shutdown ClassesStartup and Shutdown ClassesStartup and Shutdown Classes | The following JMG 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 : |
| DeploymentsServicesMessaging | Servers |
| Store-and-Forward Agents | ☑ 50AServer |
| How do I 😑 | |
| Configure quotas for destinations Configure JMS templates | Back Next Finish Advanced Targeting Cancel |
| Configure destination keys | |
| Configure topics | |
| Configure queues | |
| Configure connection factories | |
| Configure uniform distributed topics | |
| Configure uniform distributed queues | |
| Configure foreign servers Configure JMS SAF | |
| Computer and same | |
| System Status | |
| Health of Running Servers | |
| Failed (0) Critical (0) Overloaded (0) Warning (0) OK (2) | |
| WebLogic Server Version: 12.1.3.0.0 | |

| soa-infra (SOA Infrastruct × FC1211QAR2 (Oracle Web × Create a New JMS System × dev | /_domain (Oracle Web × Sum | nmary of JMS Servers × | AlphaDomain (Oracle We × | + | - 0 | × |
|--|---------------------------------------|-------------------------------------|-------------------------------------|--------------|---------------|--------|
| Console_consol | /com/bea/console/actions/jms/con | nnecti ⊽ C ^{el} 🚺 ▼ Google | م | ☆自 | .↓ ↑ | ≡ |
| ORACLE' WebLogic Server Administration Console 12c | | | | | | Q |
| Change Center In Home Log Out Preferences In Record Help | Q | | Welcome, adm | in Connec | ted to: Alpha | Domain |
| View changes and restarts Home > Summary of JMS Module > FCUBSJMSModule > Summary of JMS Module > FCUBSJMSModule > Summary of JMS Module > Placeholder | of JMS Modules > FCUBSJMSModule > FCI | UBSConnectionfactory >Summar | y of JMS Modules > FCUBSJMSModule > | Summary of . | IMS | |
| Configuration editry is enabled. Future Amarges in all annotatically be activated as you modify, add or delete items in this domain. Domain Structure The following properties will be used to target your ne | av 145 system module servurse | | | | | |
| AphaDoman The Unixwing projected will be accounting to your mean account of the accoun | module resource. A subdeployment is a | a mechanism by which JMS reso | | | | |
| Work Managers Select the subdeployment you want to use. If you select (none) Select the subdeployments: (none) Subdeployments: (none) | | | | | | |
| How do I | | | | | | |
| Configure quotes for destinations Configure JMS templates Configure destination keys | | | | | | |
| Configure topics | | | | | | |
| Configure queues Configure connection factories | | | | | | |
| Configure uniform distributed topics | | | | | | |
| Configure uniform distributed queues | | | | | | |
| Configure foreign servers | | | | | | |
| Configure JMS SAF | | | | | | |
| System Status | | | | | | |
| Health of Running Servers | | | | | | |
| Failed (0) Critical (0) Overloaded (0) Warring (0) OK (2) | | | | | | |



| soa-infra (SOA Infrastruct × FC1211QA | R2 (Oracle Web × Create a New Subdeploy × dev_domain (Oracle Web × Summary of JMS Servers × Alpha | naDomain (Oracle We 🗵 | ÷ | | × |
|---|--|----------------------------------|-------------|-------------|---------|
| 10.184.135.218:7001/console/console. | oortal?JmsCreateSystemModuleEntityPortlet_actionOverride=/com/bea/console/actions/jms/target/nt 🤝 🤁 🛛 Google | • م | ☆ 自 | + 11 | = 1 |
| | ministration Console 12c | | | | Q |
| Change Center | 👔 Home Log Out Preferences 🔝 Record Help | Welcome, admir | n Connect | ed to: Alph | aDomaii |
| View changes and restarts | Home >Summary of JMS Modules >FCUBSJMSModule >Summary of JMS Modules >FCUBSJMSModule >FCUBSConnectionfactory >Summary of JMS Modules >FCUBSJMSModule >placeholder | IS Modules > FCUBSJMSModule > Su | immary of J | MS | |
| Configuration editing is enabled. Future changes will automatically be activated as you modify, add or delete items in this domain. | Create a New Subdeployment | | | | |
| Domain Structure | | | | | |
| AlphaDomain ^ | Subdeployment Properties | | | | |
| Environment | The following properties will be used to identify your new subdeployment. | | | | |
| Clusters | Subdeployment Name: FCUBS | | | | |
| Coherence Clusters Machines Virtual Hosts Work Managers Startup and Shutdown Classes | OK Cancel | | | | |
| Deployments ⊖-Services □-Messaging JMS Servers | | | | | |
| How do I | | | | | |
| Configure quotas for destinations | | | | | |
| Configure JMS templates | | | | | |
| Configure destination keys | | | | | |
| Configure topics | | | | | |
| Configure queues | | | | | |
| Configure connection factories | | | | | |
| Configure uniform distributed topics | | | | | |
| Configure uniform distributed queues Configure foreign servers | | | | | |
| Configure INFeatures Configure JMS SAF | | | | | |
| System Status | | | | | |
| Health of Running Servers | | | | | |
| Faled (0) Critical (0) Warning (0) OK (2) | | | | | |
| WebLogic Server Version: 12.1.3.0.0 Copyright (c) 1996.2014. Oracle and/or its affiliates. Al | of the second | | | | |

| soa-infra (SOA Infrastruct × FC1211QA | R2 (Oracle Web × Create a New JMS System × dev_domain (Oracle Web × Summary of JMS Servers × AlphaDomain (Oracle We × + | |
|---|---|---|
| ♦ ④ 10.184.135.218:7001/console/console. | portal?ImsCreateSystemModuleEntityPortlet_actionOverride=/com/bea/console/actions/jms/target/cr 🗟 🔂 - Google 👂 🏠 🖨 🗍 🚍 | |
| | iministration Console 12c Q | - |
| Change Center | 😭 Home Log Out Preferences 🖾 Record Help | |
| View changes and restarts | Home > Summary of JMS Modules > FCUBSJMSModule > Summary of JMS Modules > FCUBSJMSModule > FCUBSConnectionfactory > Summary of JMS Modules > FCUBSJMSModule > Summary of JMS Modules > FCUBSJMSModule > placeholder | |
| Pending changes exist. They must be activated to take effect. You may activate them now. | Create a New JMS System Module Resource | |
| Otherwise, they will be automatically activated when you next modify, add or delete items in this domain. | Back Net Frish Cancel | |
| Activate Changes | The following properties will be used to target your new JMS system module resource | |
| Undo All Changes | 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 SAP agent. If necessary, you can create a new subdeployment by dicking the Create a New Subdeployment button. You can also reconfigure subdeployment targets later by using the parent | |
| Domain Structure | module's subdeployment management page. | |
| AlphaDomain | Select the subdeployment you want to use. If you select (none), no targeting will occur. | |
| ClustersCoherence ClustersMachinesMachines | Subdeployments: FCUBS Create a New Subdeployment | |
| Virtual Hosts | What targets do you want to assign to this subdeployment? | |
| Work Managers Startup and Shutdown Classes | Targets : | |
| Deployments El-Services | | Ε |
| | Servers | |
| i i i-Store-and-Enrward Anents | 50AServer | |
| How do I | JMS Servers | |
| Configure quotas for destinations Configure JMS templates | BPHUMSServer | |
| Configure destination keys | BPADASserver | |
| Configure topics | ✓ FCUBSJMSServer | |
| Configure queues Configure connection factories | S0AJMSServer | |
| Configure uniform distributed topics | | |
| Configure uniform distributed queues Configure foreign servers | UMSJMSServer_auto_2 | |
| Configure JMS SAF | Back Ned Finish Cancel | |
| System Status | | |
| Health of Running Servers | | |
| Failed (0) | | |
| Critical (0) Overloaded (0) | | Ĩ |
| Warning (0) | | |
| OK (2) | | - |



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|--|--|--------------------|------------------------|---|--------------------|-----------------------------------|---------------------------|-----------------|
| RACLE WebLogic Server | Administration Console 12c | | | | | | | , |
| nge Center | 🔒 Home Log Out Preferences 🔤 R | ecord Help | ٩ | | | Welcome, a | Imin Conne | cted to: AlphaD |
| w changes and restarts | Home >Summary of JMS Modules >FCUE Modules >FCUBSJMSModule >placehold | | mmary of JMS Modules : | >FCUBSJMSModule >FCUBSConnectionfac | tory >Summary c | f JMS Modules >FCUBSJMSModule | >Summary of | JMS |
| guration editing is enabled. Future | Messages | nu i | | | | | | |
| ges will automatically be activated as you y, add or delete items in this domain. | All changes have been activated. N | lo restarts are ne | cessary. | | | | | |
| ain Structure | Connection factory created success | sfully. | | | | | | |
| Domain A | Settings for FCUBSJMSModule | | | | | | | |
| vironment | Configuration Subdeployments | Targets Secur | rity Notes | | | | | |
| Servers B-Clusters | | 2 | | | | | | |
| Coherence Clusters | This page displays general information | 1 about a JMS sys | tem module and its res | ources. It also allows you to configure n | ew resources and | access existing resources. | | |
| -Work Managers Startup and Shutdown Classes | Name: | | FCUBSJMSModule | | The name of | this JMS system module. More I | nfo | |
| ployments rvices ··Messaging | Descriptor File Name: | | jms/fcubsjmsmodule-j | ims.xml | The name of | the JMS module descriptor file. | More Info | |
| JMS Servers | destination quota, distributed destinat | | | system module, including queue and top rward parameters. | ic destinations, c | onnection factories, JMS template | es, destination | i sort keys, |
| de T | Customize this table | | | | | | | |
| | | | | | | | | |
| do I 🖃 | | | | | | | | |
| No task help found. | Summary of Resources | | | | | | | |
| No task help found. | Summary of Resources | | | | | Sho | wing 1 to 1 of | 1 Previous Ne |
| No task help found. | Summary of Resources | Туре | 8 | JNDI Name | | Sho Subdeployment | wing 1 to 1 of Targets | 1 Previous Ne |
| No task help found. | Summary of Resources New Delete | | e ection Factory | JNDI Name jndi/FCUBSConnectionfactory | | | - | |
| No task help found. | Summary of Resources | | | | | Subdeployment FCUBS | Targets FCUBSJMS | |

| | Administration Console 12c | | | | | |
|--|--|-------------------------|-------------------------|--|------------------------------------|----------------------------------|
| hange Center | 🔒 Home Log Out Preferences 🔤 | Record Help | Q | | Welcome, | admin Connected to: AlphaDo |
| Fiew changes and restarts | | | ry of JMS Modules >FCUE | SJMSModule >FCUBSConnectionfactory >Summar | y of JMS Modules >FCUBSJMSModu | le >Summary of JMS |
| onfiguration editing is enabled. Future nanges will automatically be activated as you odify, add or delete items in this domain. | Modules >FCUBSJMSModule >placeho Messages All changes have been activated. Connection factory created succe | No restarts are necess | ary. | | | |
| omain Structure | | sstully. | | | | |
| phaDomain T-Environment | Settings for FCUBSJMSModule | | | | | |
| Servers | Configuration Subdeployments | Targets Security | Notes | | | |
| Coherence Clusters Machines Virtual Hosts Work Managers | | | | s. It also allows you to configure new resources a | - | |
| Startup and Shutdown Classes | Name: | FCI | UBSJMSModule | The name of | of this JMS system module. More | Into |
| E-Messaging | Descriptor File Name: This page summarizes the JMS resol destination quota, distributed destin | irces that have been cr | | m module, including queue and topic destinations | of the JMS module descriptor file. | |
| ow do I | Customize this table | | | | | |
| No task hole found | Summary of Resources | | | | | |
| No task help found. | | | | | ş | owing 1 to 1 of 1 Previous Nex |
| rstem Status | New Delete | | | | - | |
| stem Status alth of Running Servers | | Туре | | JNDI Name | Subdeployment | Targets |
| stem Status | New Delete | Type | n Factory | JNDI Name jndi/FCUBSConnectionfactory | | Targets FCUBSJMSServer |



8. Go back to console \rightarrow Click on JMS Modules \rightarrow New \rightarrow check on Queue \rightarrow next

| yments as as services as a service as a serv | ce. For targetable resources, like stand-alone queues and topics, connection ting pages for selecting appropriate server targets. You can also associate |
|--|--|
| Import of Services Queue Copie Topic Distributed Queue Distributed Topic Distributed Topic Foreign Servers Foreign Servers Critical (0) Critical (0)< | create connections for JMS dentis. More Info Defines a point-to-point distination type, which are used for asynchronous peer communications. A message delivered to a queue is distributed to only one consumer. More Info Defines a publich/tuberote destination type, which are used for anynchronous peer communications. A message delivered to a topic is distributed to all topic consumers. More Info Defines a set of queues that are distributed on multiple JMS servers, but which are accessible as anige, logical queue to JMS dents. More Info Defines a set of topics that are distributed on multiple JMS servers, but |
| | peer communications. A message delivered to a queue is distributed to only one consumer. More Info Defines a public halosofte destination type, which are used for asynchronous peer communications. A message delivered to a topic is distributed to all topic communications. A message delivered to a topic is distributed to all topic communications. A more Info Defines a set of queues that are distributed on multiple JMS servers, but which are accessible as a single, logical queue to JMS clents. More Info Defines a set of topics that are distributed on multiple JMS servers, but |
| pure quotes for destinations Topic pure quotes for destination keys Distributed Queue pure destination keys Distributed Queue pure concetion factories Distributed Topic pure uniform destrobuted queues Foreign Server restroid (0) Overbaded (0) Overbaded (0) Distributed Destinations ex (2) Distributed Destinations | asynchronous peer communications. A message delivered to a topic is distributed to all topic consumers. More Info Defines a set of queues that are distributed on multiple JMS servers, but which are accessible as a single, logical queue to JMS dents. More Info Defines a set of topics that are distributed on multiple JMS servers, but |
| pure topics Distributed Queue pure queues Distributed Queue pure uniform distributed queues Distributed Topic pure uniform distributed queues Foreign Server pre foreign Server Quota f Ratring Servers Destination Sort Key Pained (0) Destination Sort Key Overloaded (0) JHS Template Warming (0) SAF Imported Destinations | which are accessible as a single, logical queue to JMS clients. More Info Defines a set of topics that are distributed on multiple JMS servers, but |
| Contributed topics pre-uniform distributed queues pre-uniform distributed queues pre-uniform distributed queues Foreign Server Control Contro Control Contro Control Control Contro C | |
| ure foreign servers ure XS SAF Status FRunning Failed (0) Critical (0) Overbaded (0) Warring (0) Ov (2) SAF Imported Destinations | |
| Status Image: Status Fauled (0) Destination Sort Key Critical (0) JHS Template Overloaded (0) JHS Template Ox (2) SAF Imported Destinations | Defines foreign messaging providers or remote WebLogic Server instances that are not part of the current domain. More Info |
| Faled (0) Critical (0) Overloaded (0) Warring (0) Ox (2) SAF Imported Destinations | Controls the allotment of system resources available to destinations. More Info |
| Overloaded (0) JHS Template Warring (0) SAF Imported Destinations | Defines a unique sort order that destinations can apply to arriving messages. More Info |
| | Defines a set of default configuration settings for multiple destinations. M Info |
| Remote SAF Context | 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 ductor that is imported in the local ductor or server instance, so that the local server instance or duster can send messages to the remot server instance or custer. More Info |
| | Defines the URL of the remote server instance or duster where a JMS destination is exported from. It also contains the security credentials to be authenticated and authorized in the remote duster or server. More Info |
| SAF Error Handling | Defines the action to take when the SAF service fails to forward messages to remote destinations. More Info |
| Back Net Finish Cancel | |

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

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|---|---|---|-------------------------------------|-------------------------------------|--------------|-----------|------------|
| € @ 10.184.135.218:7001/console/conso | .portal?JmsCreateSystemModuleEntityPortle | t_actionOverride=/com/bea/console/actions/j | jms/modules 🤍 C 🛛 😸 - Google | م | ☆自 | + | ⋒ = |
| | dministration Console 12c | | | | | | Q |
| Change Center | 😭 Home Log Out Preferences 🔤 Reco | rd Help | | Welcome, adr | nin Connect | ed to: Al | phaDomai |
| View changes and restarts | Home >Summary of JMS Modules >FCUBSJM Modules >FCUBSJMSModule >placeholder | ISModule >Summary of JMS Modules >FCUBSJMSMo | dule >FCUBSConnectionfactory >Summa | y of JMS Modules > FCUBSJMSModule > | Summary of J | MS | |
| Configuration editing is enabled. Future changes will automatically be activated as you modify, add or delete items in this domain. | Create a New JMS System Module Res | ource | | | | | |
| Domain Structure | Back Next Finish Cancel | | | | | | |
| AlphaDomain | JMS Destination Properties | | | | | | |
| Environment Servers Environment Ousters | The following properties will be used to ide | ntify your new Queue. The current module is FCU | BSJMSModule. | | | | |
| Coherence Clusters Machines Virtual Hosts | * Indicates required fields | | | | | | |
| | * Name: NOTIFY_[| DEST_QUEL | | | | | |
| -Services -Messaging | JNDI Name: jms/NOTI | Y_DEST_QUEUE | | | | | |
| | Template: None 💌 | | | | | | |
| How do I | Back Next Finish Cancel | | | | | | |
| Configure quotas for destinations | | | | | | | |
| Configure JMS templates Configure destination keys | | | | | | | |
| Configure topics | | | | | | | |
| Configure devices | | | | | | | |
| Configure connection factories | | | | | | | |
| Configure uniform distributed topics | | | | | | | |
| Configure uniform distributed queues | | | | | | | |
| Configure foreign servers | | | | | | | |
| Configure JMS SAF | | | | | | | |
| System Status | | | | | | | |
| Health of Running Servers | | | | | | | |
| Failed (0) Critical (0) Overloaded (0) Warning (0) OK (2) | | | | | | | |
| WebLogic Server Version: 12.1.3.0.0 Copyright (c) 1996,2014, Oracle and/or its affiliates. | | se of their remedius summer | | | | | |



| soa-infra (SOA Infrastruct × FC121IQA | R2 (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 マ C 🗧 - Google P 🗘 自 🦊 🎓 🚍 |
| | tministration Console 12c Q |
| Change Center | Brone Log Out Preferences 🖾 Record Help Welcome, admin Connected to: AlphaDomain |
| View changes and restarts | Home >Summary of JMS Modules >FCUBSJMSModule >Summary of JMS Modules >FCUBSJMSModule >FCUBS/Connectionfactory >Summary of JMS Modules >FCUBSJMSModule >FCUBSJM |
| Configuration etiling is enabled. Future changes will automatically be activated as your modify, add or delete items in this domain. | Create a New 3MS System Hodule Resource Back Finah Cancel The following properties will be used to target your new 3MS system module resource. Use this page to select a subdeployment to assign this system module resource. A subdeployment is a mechanism by which 3MS resources are grouped and targeted to a server instance, duster, or SAF agent. There says, you can reate a new subdeployment by diding the Create a New Subdeployment button. You can also reconfigure subdeployment targets later by using the parent module's subdeployment to use. If you select (none), no targeting will occur. Subdeployments: FCUBS Cleate a New Subdeployment. What targets do you want to uses if you subdeployment? Targets : |
| Configure quotas for destinations | JMS Servers |
| Configure JMS templates Configure destination keys | BPM3MSServer |
| Configure desuriation keys Configure topics | |
| Configure queues | FCUBSJMSServer |
| Configure connection factories | © SOAJHSServer |
| Configure uniform distributed topics Configure uniform distributed queues | |
| Configure foreign servers | UHSJHSServer_auto_2 |
| Configure JMS SAF | |
| System Status | Back Next Finish Cancel |
| Health of Running Servers | |
| Failed (0) Critical (0) Overloaded (0) Warning (0) OK (2) CK (2) | |

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|---|---------------------|---|-----------|---------------|---------------|---|---------------------|-------------------|--------------------------------|-----------|--------|-----------|--------------|-----|
| | dministration Conso | le 12c | | | | | | | | | | | | |
| hange Center | Home Log Ou | it Preferences 📐 | Record He | lp | | Q | | | Welcom | ne, adm | in C | onnected | to: Alpha | Do |
| /iew changes and restarts | | of JMS Modules >FC JMSModule > placeh | | ule >Summar | y of JMS Mod | dules >FCUBSJMSModu | le >FCUBSConnection | onfactory >Summar | y of JMS Modules >FCUBSJMSM | odule >S | umma | ry of JMS | | |
| Configuration editing is enabled. Future hanges will automatically be activated as you | Messages | | | | | | | | | | | | | |
| nodify, add or delete items in this domain. | | ave been activated | | s are necessa | iry. | | | | | | | | | |
| omain Structure | The JMS Que | ue was created suc | cessfully | | | | | | | | | | | |
| lphaDomain | Settings for FCU | BSJMSModule | | | | | | | | | | | | |
| -Environment | Configuration | Subdeployments | Targets | Security | Notes | | | | | | | | | |
| Virtual Hosts Work Managers Startup and Shutdown Classes Deployments | Name: | | | FOL | BSJMSModu | le | | The name | of this JMS system module. N | lore Info | | | | |
| Ceptymenta Services Messaging Messaging Messaging | | arizes the JMS reso | | ave been cre | ated for this | dule-jms.xml s JMS system module, nd-forward paramete | | | of the JMS module descriptor f | | | | t keys, | |
| No task help found. | Customize the | is table | | | | | | | | | | | | |
| iystem Status 🖂 | Summary of R | | | | | | | | | | | | | |
| ealth of Running Servers | New Dele | te | | | | | | | | Showin | g 1 to | 2 of 2 F | Previous M | ve: |
| Failed (0) | 🔲 Name 🐟 | | | Туре | | JNDI Na | me | | Subdeployment | | Targ | ets | | |
| Critical (0) | FCUBSCon | nectionfactory | | Connection | Factory | jndi/FCU | SConnectionfactor | / | FCUBS | | FCUB | SJMSServ | er | |
| Overloaded (0) Warning (0) | NOTIFY_D | EST_QUEUE | | Queue | | jms/NOT | FY_DEST_QUEUE | | FCUBS | | FCUB | SJMSServ | er | _ |
| OK (2) | New Dele | te | | | | | | | | Showin | g 1 to | 2 of 2 F | Previous M | ve) |
| | | | | | | | | | | | | | | |

it: Server version: 12.1.5.0.0 ht (c) 1996,2014, Oracle and/or its affiliates. All rights reserved. a registered trademark of Oracle Corporation and/or its affiliate



- Please create the MDB_QUEUE_RESPONSE and JNDI name as jms/ MDB_QUEUE_RESPONSE, eis/jms/ORGateway and JNDI name as eis/jms/ORGateway, FAULT_QUEUE_RESPONSE and JNDI name as jms/ FAULT_QUEUE_RESPONSEQueues as above in console with in FCUBSJMSModule.(Follow step 9-10 in 1.2.7)
- 11. Go to Console→Deployment→JmsAdapter→Configuration→Outbound Connection Pool→Expand oracle.tip.adapter.jms.IJmsConnectionFactory→New→Provide JNDI as 'eis/Queue/Notif'→next→Finish

| isole.poi | tal?_nfpb=true&_pageLabel=AppDeploymentsControlPage | ⊽ C ⁱ | <mark>8</mark> - G | oogle | • ٩ | 合自 |
|-----------|---|------------------|-------------------------------|---------------------------|--------------------------------------|-----|
| C | DMS Application (12.1.3.0.0) | Active | ≪ок | Web Application | AdminServer, BAMServer, SOAServer | 5 |
| |] 🗷 🕞 em | Active | 🖋 ОК | Enterprise Application | AdminServer | 400 |
| |] | Active | A Warning | Enterprise Application | SOAServer | 600 |
| E |] 👼 FileAdapter | Active | 🖋 ок | Resource Adapter | SOAServer | 321 |
| E |] ⊞ ⊑frevvo | Active | 🖋 ОК | Enterprise Application | SOAServer | 100 |
| |] 🐱 FtpAdapter | Active | 🖋 ок | Resource Adapter | SOAServer | 325 |
| E |] | Active | 🖋 ОК | Enterprise Application | SOAServer | 600 |
| |] 🔯 JDEWorldAdapter | Installed | | Resource Adapter | | 333 |
| | 🛛 🐱 JmsAdapter | Active | 🖋 ОК | Resource Adapter | SOAServer | 323 |
| | JmsAdapter, Level 1, 19 of 46 | Installed | | Resource Adapter | | 332 |
| |] | Active | 🖋 ОК | Resource Adapter | SOAServer | 327 |
| |] | Installed | | Resource Adapter | | 334 |
| | E COAAPredictionService | Active | 🖋 ОК | Enterprise Application | SOAServer | 100 |
| | 🛛 🐱 Oracle Apps Adapter | Active | 🖋 ОК | Resource Adapter | SOAServer | 328 |
| E |] 🔯 OracleBamAdapter | Installed | | Resource Adapter | | 329 |
| E | B CoradeBPMBACServerApp | Active | 🖋 ОК | Enterprise Application | SOAServer | 384 |
| E | E CoradeBPMComposerRolesApp | Active | 🖋 ОК | Enterprise Application | SOAServer | 382 |
| E | B E CoracleBPMProcessRolesApp | Active | 🖋 ОК | Enterprise Application | SOAServer | 381 |
| E | E COracleBPMWorkspace | Active | 🖋 ОК | Enterprise Application | SOAServer | 383 |
| E |] 🐼 SAPAdapter | Installed | | Resource Adapter | | 335 |
| E | E SimpleApprovalTaskFlow | Active | 🖋 ОК | Enterprise Application | SOAServer | 386 |
| E | 🗄 🖽 🔽 soa-infra | Active | 🖋 ОК | Enterprise Application | SOAServer | 350 |



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|--|--------------|-------------|---------------------------------|---|--------------|-----------------|---------------|-----------|--------------|--------------------|------------------|----------------------|-------------|-------------|-------------|---------|----|
| ew changes and restarts | | | UBSConnectio | factory >Summary of J | MS Modules > | FCUBSJMSMod | ule >Summary | of JMS 1 | fodules >FC | UBSJMSModu | le >placeholder | >Summary of Deplo | oyments >Jm | sAdapter > | Summary o | of | |
| onfiguration editing is enabled. Future | | | | | | | | | | | | | | | | | |
| anges will automatically be activated as | you | Settings fo | or JmsAdapt | er | | | | | | | | | | | | | |
| odify, add or delete items in this domain. | | Overview | Deploymen | Plan Configuratio | n Securit | y Targets | Control T | esting | Monitoring | Notes | | | | | | | |
| omain Structure | | General | Properties | Outbound Connect | ion Pools | Admin Objects | s Workload | i Inst | umentation | | | | | | | | |
| haDomain | ~ | | | | | | | | | | | | | | | | |
| Environment | | | | | | | | | | | | | | | | | |
| Servers E-Clusters | = | | | le of Outbound Conne | | | | | | | | | | | | | e |
| Coherence Clusters | | | | tory interface and the Click the name of a gro | | | | | | | | | | nce withir | n an Outbo | una | |
| Machines | | Connect | orreoorgroup. | click the fidline of a give | up or instan | ce to configure | rc. Automatic | ally gene | a dieu comin | ECOUT POOLS C | are not displaye | a in the table below | ··· | | | | |
| Virtual Hosts | | Outhour | d Connectio | n Pool Configuration | Table | | | | | | | | | | | | |
| Work Managers | | | | rr oor comgarador | Tuble | | | | | | | | | | | | |
| Startup and Shutdown Classes | | New | Delete | | | | | | | | | | Showi | ng 1 to 1 d | of 1 Previo | ous N | le |
| -Deployments -Services | | | | | | | | | _ | | | | | | | | |
| -Messaging | | 🔲 Gr | oups and Ins | tances 🗠 | | | | | Co | onnection F | actory Inter | ace | | | | | |
| JMS Servers Store-and-Forward Agents | - | Ξ | oracle.tip.ada | ter.jms.IJmsConnectio | nFactory | | | | ora | ade.tip.adap | ter.jms.IJmsCo | nnectionFactory | | | | | |
| | | | eis/activemq/0 | ueue | | | | | ora | ade.tip.adap | ter.jms.IJmsCo | nnectionFactory | | | | | |
| w do I | - | | eis/aqjms/EDN | ocalTxDurableTopic | | | | | ora | ade.tip.adap | ter.jms.IJmsCo | nnectionFactory | | | | | |
| Configure outbound connection pool properties | | | eis/aqjms/EDN | .ocalTxTopic | | | | | ora | ade.tip.adap | ter.jms.IJmsCo | nnectionFactory | | | | | |
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|---|---|
| Change Center | 😭 Home Log Out Preferences 🔤 Record Help |
| View changes and restarts | Home >FCUBSIMSModule >placeholder >Summary of Deployments >ImsAdapter >Summary of Deployments >ImsAdapter >Summary of Deployments >ImsAdapter |
| Configuration editing is enabled. Future | Create a New Outbound Connection |
| changes will automatically be activated as you modify, add or delete items in this domain. | Back Net Finish Cancel |
| Domain Structure | Outbound Connection Group |
| AlphaDomain | In which outbound connection group do you want to create an instance? Outbound Connection Groups |
| Clusters Coherence Clusters | Showing I to 1 of 1 Previous Next |
| Conerence Clusters Machines Virtual Hosts | Outbound Connection Group 🗞 |
| Work Managers | oracle.tip.adapter.jms.IJmsConnectionFactory |
| Startup and Shutdown Classes | Showing 1 to 1 of 1 Previous Next |
| -Services -MessagingJMS Servers | Back Ned Finish Cancel |
| i iStore-and-Enrward Anents | |
| How do I | |
| Configure outbound connection pool properties | |

System Status

Health of Running Servers

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Failed (0) Critical (0) Overloaded (0) Warning (0) OK (2) n: 12.1.3.0. Other na of the



| soa-infra (SOA Infrastruct × FC1211QA | R2 (Oracle Web × Create a New Outbound × dev_domain (Oracle Web × Summary of JMS Set | ervers × AlphaDomain (Oracle We × + | - 0 × |
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| III.184.135.218:7001/console/console. | portal?ConnectorCreateOutboundConnectionPortlet_actionOverride=/com/bea/console/actions/conn \triangledown C | 8 - Google 🛛 🔎 🚖 🗎 - | + ☆ = |
| | Iministration Console 12c | | õ |
| Change Center | 😰 Home Log Out Preferences 🔤 Record Help | Welcome, admin Connected | to: AlphaDomain |
| View changes and restarts | Home >FCUBSJMSModule >placeholder >Summary of Deployments >JmsAdapter >Summary of Deployments >JmsAdapter >S | Summary of Deployments >JmsAdapter >Summary of Deployments >Jm | sAdapter |
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| Domain Structure | JNDI name for Outbound Connection Instance | | |
| AlphaDomain | The nume to use to obtain the new connection instance The Outbound Connection instance represents a connection pool. The JNDI name can be used to obtain the pool at runt C * JNDI Name: Back Next Finish Cancel | time. | |
| properties | | | |
| System Status | | | |
| Health of Running Servers | | | |
| Failed (0) Critical (0) Overloaded (0) Warning (0) OK (2) | | | |
| WebLogic Server Version: 12.1.3.0.0 Copyright (c) 1996,2014, Oracle and/or its affiliates. Al | | | |

| H-Clusters Coherence Clusters Machines Virtual Hosts Work Managers | listed by connection factory interface and the instances are listed by their JNDI names. E Connection Pool group. Click the name of a group or instance to configure it. Automatical Outbound Connection Pool Configuration Table | xpand a group to obtain contiguration information for a Connection Pool instance within an Outbound y generated Connection Pools are not displayed in the table below. |
|--|---|---|
| Startup and Shutdown Classes | New Delete | Showing 1 to 1 of 1 Previous Next |
| Deployments Services Messaging | Groups and Instances 🗇 | Connection Factory Interface |
| JMS Servers | oracle.tip.adapter.jms.IJmsConnectionFactory | oracle.tip.adapter.jms.IJmsConnectionFactory |
| | eis/activemq/Queue | oracle.tip.adapter.jms.IJmsConnectionFactory |
| ow do I 😑 | eis/agjms/EDNLocalTxDurableTopic | oracle.tip.adapter.jms.IJmsConnectionFactory |
| Configure outbound connection pool properties | eis/aqjms/EDNLocalTxTopic | oracle.tip.adapter.jms.IJmsConnectionFactory |
| ji opei des | eis/agjms/EDNxaDurableTopic | oracle.tip.adapter.jms.IJmsConnectionFactory |
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| Overloaded (0) | eis/jbossmq/Queue | oracle.tip.adapter.jms.IJmsConnectionFactory |
| Warning (0) | eis/jms/aiaB2BQueueCF | oracle.tip.adapter.jms.IJmsConnectionFactory |
| OK (2) | eis/jms/aiaErrorTopicCF | oracle.tip.adapter.jms.IJmsConnectionFactory |
| | eis/pramati/Queue | oracle.tip.adapter.jms.IJmsConnectionFactory |
| | eis/Queue/Notif | oracle.tip.adapter.jms.IJmsConnectionFactory |
| | eis/sunmq/Queue | oracle.tip.adapter.jms.IJmsConnectionFactory |
| | eis/tibjms/Queue | oracle.tip.adapter.jms.IJmsConnectionFactory |
| | eis/tibjms/Topic | oracle.tip.adapter.jms.IJmsConnectionFactory |
| | eis/tibjmsDirect/Queue | oracle.tip.adapter.jms.IJmsConnectionFactory |
| | eis/tibjmsDirect/Topic | oracle.tip.adapter.jms.IJmsConnectionFactory |
| | eis/webspheremq/Queue | oracle.tip.adapter.jms.IJmsConnectionFactory |
| | eis/wls/EDNLocalTxDurableTopic | oracle.tip.adapter.jms.IJmsConnectionFactory |
| | eis/wls/EDNLocalTxTopic | oracle.tip.adapter.jms.IJmsConnectionFactory |
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| | eis/wls/Queue | oracle.tip.adapter.jms.IJmsConnectionFactory |
| | eis/wls/Topic | orade.tip.adapter.jms.IJmsConnectionFactory |

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

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| DRACLE WebLogic Server Adr | ninistration Console | 12c | | | | | | | | | | Ç |
| nange Center | 🔒 Home Log Out | Preferences 🔤 Re | ecord Help | Q | | | | Welcome, a | dmin Co | nnected | to: Alph | aDoma |
| iew changes and restarts | Home >JmsAdapter Deployments >Jms | | ments >JmsAdapter | >Summary of Deployr | - nents >JmsAdapt | ter >Summary of JMS M | odules >FCUBSJMSM | odule >Summary of JMS Modules | >Summar | y of | | |
| onfiguration editing is enabled. Future | Settings for oracle | | UmeConnection | Factory | | | | | | | | |
| anges will automatically be activated as you odify, add or delete items in this domain. | | rties Transaction | | | t analyze a | | | | | | | |
| omain Structure | General Prope | rues Transaction | Authentication | Connection Pool | Logging | | | | | | | |
| haDomain A Environment Servers Servers Coherence Clusters | | ou to view and modi | fy the configuratio | n properties of this ou | tbound connec | tion pool. Properties y | ou modify here are si | aved to a deployment plan. | wing 1 to | 7 of 7 P | revious I | Next |
| Machines Virtual Hosts Work Managers | Property Name | · 🌣 | Pr | operty Type | Pro | operty Value | | Supports Dynamic Updat | - | | renous (| |
| Startup and Shutdown Classes | AcknowledgeMod | 2 | jav | a.lang.String | AUT | TO_ACKNOWLEDGE | | false | | | | |
| Services | ConnectionFactor | yLocation | jav | a.lang.String | jno | di/FCUBSConne | | false | | | | |
| -MessagingJMS ServersJMS Servers | FactoryProperties | 1 | jav | a.lang.String | | | | false | | | | |
| Store-and-Forward Arients | IsTopic | | jav | a.lang.Boolean | fals | e | | false | | | | |
| ow do I | IsTransacted | | jav | a.lang.Boolean | fals | e | | false | | | | |
| Configure outbound connection pool properties | Password | | | a.lang.String | | | | false | | | | |
| properaes | Username | | jav | a.lang.String | | | | false | | | | |
| rstem Status 🛛 🖃 | Save | | | | | | | Sho | wing 1 to | 7 of 7 P | revious | Next |
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| | Administration | Console 12c | | | | | | |
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| /iew changes and restarts | | nsAdapter >Summ nts > JmsAdapte | | ments >JmsAdapter | >Summary of Deploym | ents >JmsAdapter >Summary of JMS Modules >FCI | UBSJMSModule >Summary of JMS Modules >Summar | ry of |
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| omain Structure | | yment plan has b | | | | | | |
| lphaDomain | S Reme | ember to update | your deploym | ent to reflect the r | new plan when you ar | finished with your changes. | | |
| -Environment | Settings fo | or oracle.tip.ad | lapter.jms.I | ImsConnection | Factory | | | |
| E-Clusters | General | Properties | Transaction | Authentication | Connection Pool | Logging | | |
| | Outbour | nd Connection | Properties | | | | | |
| | Save | nd Connection | Properties | Prop | erty Type | Property Value | Showing 1 to Supports Dynamic Updates | 7 of 7 Previous Nex |
| Startup and Shutdown ClassesDeploymentsServicesMessagingJMS ServersStore-and-Enoward AgenteStore-and-Enoward AgenteStore-and-Enoward AgenteStore-and-Enoward AgenteStore-and-Enoward Agente | Save | | Properties | | erty Type ang.String | Property Value | | 7 of 7 Previous Nex |
| L=Strup and Shutdown Classes ->Deployments Services D=Messaging L=JNS Servers Strupe-and-Ensward Anents work of L | Save Proper Acknowle | ty Name 🚳 | | java.l | | | Supports Dynamic Updates | 7 of 7 Previous Nex |
| L=Strup and Shutdown Classes ->Deployments Services D=Messaging L=JNS Servers Strupe-and-Ensward Anents work of L | Save Proper Adknowle Connect | ty Name ↔ edgeMode | | java.l | ang.String | AUTO_ACKNOWLEDGE | Supports Dynamic Updates false | 7 of 7 Previous Nex |
| L=Strup and Shutdown Classes ->Deployments Services H=Messaging L=JNS Servers Struesand Ensured Anents wide L. Configure outbound connection pool properties | Save Proper Addrowle Connect FactoryF IsTopic | ty Name | | java.l java.l java.l | ang.String ang.String | AUTO_ACKNOWLEDGE | Supports Dynamic Updates faise faise | 7of7 Previous Nex |
| Lottrup and Shutdown Classes Deployments Services Lottroe-and-Ensured Anents w do L Configure outbound connection pool properties ystem Status E | Save Proper Addrowle Connect FactoryF IsTopic | ty Name edgeMode ionFactoryLocati Properties | | java.l java.l java.l java.l | ang.String ang.String ang.String | AUTO_ACKNOWLEDGE jndl/FCUBSConnectionfactory | Supports Dynamic Updates false false false | 7 of 7 Previous Nex |
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| tti-Clusters [71] | | | | targets in this domain, click the install but | | | | | |
| Coherence Clusters | | | | | | | | | |
| Virtual Hosts Work Managers | | omize this table | | | | | | | |
| | | oyments | | | | | | | |
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| JMS Servers | | Name 🗠 | | | State | Health | Туре | Targets | Deployment Orde |
| w do I | | ₩ AqAdapter | | | Prepared | 🛩 ок | Resource | SOAServer | 324 |
| Install an enterprise application | | - | | | | | Adapter Enterprise | | |
| Configure an enterprise application | | 🗉 📇 b2bui | | | Prepared | 🛩 ок | Application | SOAServer | 313 |
| Jpdate (redeploy) an enterprise application | | 🗉 📷 BamComposer | | | New | | Enterprise Application | BAMServer | 500 |
| Start and stop a deployed enterprise application | | BamCQService | | | New | | Enterprise Application | BAMServer | 300 |
| Aonitor the modules of an enterprise application | - | | | | | | Enterprise | | |
| Deploy EJB modules Install a Web application | | BamServer | | | New | | Application | BAMServer | 400 |
| nstall a Web application | | BPMComposer | | | Active | 🛩 ок | Application | SOAServer | 385 |
| tem Status 🖃 | | a coherence-transact | tion-rar | | Active | 🛩 ок | Resource Adapter | AdminServer, BAMServer, SOAServer | 100 |
| lth of Running Servers | | | | | Installed | | Resource | | 331 |
| Failed (0) Critical (0) | | | | | | | Adapter Resource | | |
| Overloaded (0) | | DbAdapter | | | Active | 🛩 ок | Adapter | SOAServer | 322 |
| Warning (0) OK (2) | | DefaultToDoTas | kFlow | | Active | 🛩 ок | Enterprise Application | SOAServer | 314 |
| 0.00 | | DMS Application | (12.1.3.0.0) | | Active | 🛩 ок | Web Application | AdminServer, BAMServer, | 5 |
| | | | | | | | Enterprise | SOAServer | - |
| | | I Them | | | Active | 🛩 ок | Application | AdminServer | 400 |
| | | E FCUBSAppIUT (| 12.1.0.0.0) | | Active | Warning | Enterprise Application | SOAServer | 600 |
| | | FileAdapter | | | Active | ✓ ок | Resource | SOAServer | 321 |
| | | | | | | | Adapter Enterprise | | |
| | | III Cafrevvo | | | Active | 🛩 ок | Application | SOAServer | 100 |
| | | FtpAdapter | | | Active | 🛩 ок | Resource Adapter | SOAServer | 325 |
| | | E GWWebServices | s (12.1.0.0.0) | | Active | 🛩 ок | Enterprise Application | SOAServer | 600 |
| | | JDEWorldAdapter | | | | | Resource | | |
| | | @ JDEWohukuapter | | | Installed | | Adapter | | 333 |
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13. Go to console \rightarrow Deployments \rightarrow JMS adapter \rightarrow Update \rightarrow Next \rightarrow finish



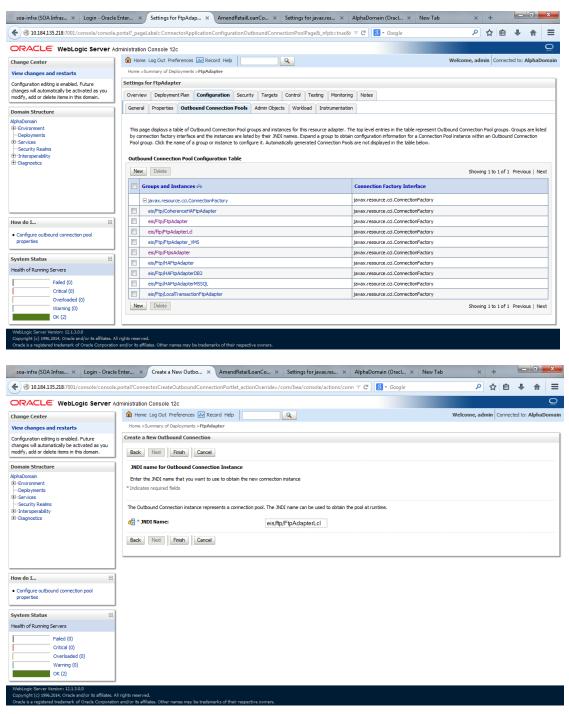
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| Install an enterprise application Configure an enterprise application Update (excleption) an enterprise application Start and stop a deployed enterprise application Deploy EJB modules Install a Web application Vystem Status Failed (0) Critical (0) Overloaded (0) Warning (0) | | Name Name Ø AqAdapter Ø AqAdapter B Tgb2bu B Tgb2bu B Tgb2bu B Tgb2mCol B Tgb2mCol B Tgb2mCol B Tgb2mCol B Tgb2mCol B Tgb2mCol B Tgb2mCol B Tgb2mCol B Tgb2mCol Ø Coherence Ø Coherence Ø DbAdapter Ø DbAdapter | r mposer Service rver mposer -transaction ra | | op > | | | Prepared Prepared New New New Active Active Installed | Ø OK Ø OK Ø OK Ø OK Ø OK | Resource Adapter Enterprise Application Enterprise Application Enterprise Application Enterprise Application Resource Adapter Resource Adapter | Targets SOAServer SOAServer BAMServer BAMServer SOAServer SOAServer | De 324 313 500 400 385 7 100 331 | ploymer | |
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14. 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



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



1.2.7.1 BIP Interactive reports configuration

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

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

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

| ange Center | 💼 Hor | ne Log Out Preferences 🔤 Record Help | | Welcome, weblogic Connected to: bifoundation_dom |
|---|--------|---|---|--|
| ew changes and restarts | Home | >Summary of Security Realms >myrealm >Use | ers and Groups | |
| pending changes exist. Click the Release nfiguration button to allow others to edit the main. | | s for myrealm uration Users and Groups Roles and | d Policies Credential Mappings Providers Migration | |
| Lock & Edit Release Configuration | Users | | | |
| main Structure | This p | bage displays information about each user t | hat has been configured in this security realm. | |
| oundation_domain | Some | results are not displayed because there are | e too many matches. Please customize this table to specify more specific criter | ia. |
| Environment Deployments | Cust | omize this table | | |
| Services | | | | |
| Security Realms Interoperability Diagnostics | Nev | | | Showing 1 to 10 of 1000 Previous Next |
| | | Name 🔅 | Description | Provider |
| | | 000ANT1 | Default Admin User 1 | FCJCustomProvider |
| | | 11111RM_3 | Sweta | FCJCustomProvider |
| | | 11111RM_4 | RM | FCJCustomProvider |
| | | 112233 | Default Admin User 10 | FCJCustomProvider |
| w do I 📼 | | 121212 | Default Admin User 10 | FCJCustomProvider |
| Manage users and groups | | 123456 | SANKER GS | FCJCustomProvider |
| Create users | | 141414 | Default Admin User 10 | FCJCustomProvider |
| Modify users | | 15259A03 | Kumar | FCJCustomProvider |
| Delete users | | 1M20862 | BALA | FCJCustomProvider |
| | | 20862A1 | Bala | FCJCustomProvider |
| stem Status 📼 | Nev | / Delete | | Showing 1 to 10 of 1000 Previous Next |
| alth of Running Servers | | | | |
| Failed (0) Critical (0) Overloaded (0) Warning (0) OK (2) | | | | |

- 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



| ORACLE | Enterprise Manager 11g | Fusion Middleware Control | | | | | Setup + | Help + Log Out |
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| WebLogic (WebLogic (Business Essbase Metadata | | Deployments | 1005 | 9 (9) | ✓ Fusion Middleware 25% | 75% | Down (3) Up (1) | ۵. |
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| | nosta | | | | | | + anow and | iomional A |

- 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

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| Farm_bifoundation_domain | WebLogic Domain • | | Page Refreshed Mar 19, 2014 6:40:40 PM IST 0 |
| > im Application Deployments | | | |
| V Elsoge Domain V Elsoge Domain AdminServer AdminServer M Buchaster Buchaster Esobare Servers Metadata Repositories | registered. These are also To manage user and Q Policy Store Provid Select an application and application range. Acquistation S Role Name Creates. Biogram. B | application roles that are created in the context of end groups in the WebLogic Domain, use the <u>Create WebLogi</u> err enter search keyword for role name to search for roles three [abit | |
| | BIAuthor | BI Author Role | |
| | BIConsumer | BI Consumer Role | |
| | | | |
| | Normaluser Manager | NormalUser Manager | |
| | NormalUser Manager | Manager | |
| | NormalUser | Manager JISystem | |
| | Normaluse Manager | Manager 11System Display Name Type | Description |
| | NormalUser Manager | Manager | |
| | NormalUser Manager | Manager JISystem | Description |
| sstz7002/em/faces/as/w/FarmHome7 | Normalizer Manager | Manager 11System Display Name Type | |
| | Normalizer Manager | Manager SISystem Display Name Type User | |



- 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.

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| * | bifoundation_domain () | | | Logged in as weble |
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| Deployments | | | | |
| 🛅 WebLogic Domain | Application Roles > Create Application Role | | | |
| V bifoundation_domain | Create Application Role | | | OK Cano |
| AdminServer | General | | | |
| ▷ 🛄 bi_cluster | Application Stripe obl | | | |
| Business Intelligence Essbase Servers | * Role Name ALLROLES | | | |
| Metadata Repositories | Display Name ALLROLES | | | |
| inetadata Repositories | Description ALLROLES | | | |
| | | Add Principal | | |
| | | Specify criteria to search | ind select the application roles that | you want to grant permissions to. |
| | Members | | Type Group | |
| | An application role may need to be mapped to users or | 2 appa agrice a contra price part | Type Group | |
| | 👍 Add 💥 Delete | | Iame Starts With 🔻 | |
| | Name | Display Name | Iame Starts With 🔻 | ۷ |
| | No groups or application roles added. | Searched Principals | | |
| | | Principal | Display Name | Description BI Administrators |
| | | BIAdministrators | | Group |
| | | BIAuthors | | BI Authors Group |
| | 1 | BIConsumers | | BI Consumers Group |
| | | BIPTest | | BIPTest CrossDomainConn |
| | | CrossDomainConr | nectors | can make inter- |
| | | Crossboniancom | lectora | domain calls from foreign domains. |
| | | | | Deployers can view |
| | | Deployers | | all resource |
| | | | | attributes and deploy applications. |
| | | | | Monitors can view |
| | | | | and modify all resource attributes |
| | | Monitors | | and norfarm |
| | | ✓ Advanced Option | | |
| | | Check to enter be used for adv | principal name here instead of sea vanced scenarios related to custom | rching from above. This option can authenticators. |
| | | Type Group | Principal Name ALLROLES-000 | |
| | | Type Group - | | |
| | | | Display Name ALLROLES-000 | |
| | | | | |
| | | | | OK Cancel |
| | | | | |
| | | | | |



- 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

| Farm_bifoundation_c Application Deplo WebLogic Domain bifoundati | | | dation domain () | | | | | |
|---|------------------------|-----------------|--|--|--------------------------------------|--|--|--|
| Application Deploy WebLogic Domain Deploy Diffoundation | | CTEL | | | | Logged in as weble | | |
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| / 🔡 bifoundati | | | | | | | | |
| | | Applic | ation Policies | | | | | |
| | Home | | cies are the authorization policies that users and groups in the WebLogic D | | | | | |
| ⊳ 💂 bi duster | Control | | • ore Provider | | | | | |
| Business Intelig | Logs | | Scope WebLogic Domain | | | | | |
| Essbase Server | Port Usage | | Provider XML | Provider XML Location ./system-jazn-data.xmi | | | | |
| Metadata Repo: | Application Deployment | | Location ./system-jazn-data | | | | | |
| | Web Services | | | principal type and enter search k | evword to query application securit | ty grants assigned to the principals. Click on searched principal to guery | | |
| | | | ned. | | a friend to qual f oppression second | i Braun and burg of the burghant even our near his share days | | |
| | ADF Domain Configurat | ion | polication Stripe obi | | | | | |
| | Security | | Credentials | | | | | |
| | Metadata Repositories | | Security Provider Configuration | | | | | |
| | JDBC Data Sources | | Application Policies | 🗙 Delete | | | | |
| | System MBean Browser | | | | | | | |
| | | | Application Roles | Name | Description | | | |
| 1 | WebLogic Server Admin | | | nistrator Role | Description | | | |
| | | istration Conso | e | | Description | | | |
| | WebLogic Server Admin | istration Conso | le Keystore System Policies | nistrator Role em Role umer Role | Description | | | |
| | WebLogic Server Admin | BIA | le Keystore System Policies | nistrator Role em Role umer Role | Description | | | |
| | WebLogic Server Admin | BIA | le Kaystore System Polces Audit Polcy | nistrator Role em Role umer Role | Description | | | |
| | WebLogic Server Admin | BIA | k Kystore System Polices Audit Policy Audit Policy Ilicies for BLAdministrator missions source Name | nistrator Role em Role umer Role | Permission Actions | Permission Class | | |
| | WebLogic Server Admin | BL/ | Ike Keystore Policies System Policies Audt Policy Ikides for BIAdministrator missions source Neme adc. Liserve: manageRepositories | Intrant Role m Role or Role or Role Resource Type orade bi.server.permission | Permission Actions | oracle.security.jps.ResourcePermission | | |
| | WebLogic Server Admin | BL/ | k Kystore System Polices Audit Policy Audit Policy Ilicies for BLAdministrator missions source Name | Intratar Role Im Role Im Role Im Role Resource Type Resource Type oracle Loserver permission oracle Loserver permission | Permission Actions | | | |

Go to security and then navigate to application polices



- 7) After navigating to next screen as per screen shot,
 - o 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.

| ORACLE Enterprise Manager 11 | g Fusio | on Middleware Control | | | | Setup - Help - Log Out |
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| Vectors WebLogic Domain Vectors Internation_domain AdminServer | 4 | Application Policies Application policies are the author To manage users and groups | rization policies that an applicat in the WebLogic Domain, use th | on relies upon for cont le <u>Oracle WebLogic Ser</u> | rolling access to its resources. ver Security Provider. | |
| > ▲ bi_duter > ■ Buness Intelligence > ■ Stables Ferrers > ■ Stables Ferrers > ■ Metadata Repositories | | Provider | | | | |
| | | ≤ Search | ./system-jazn-data.xml | e and enter search key | word to query application security gra | nts assigned to the principals. Click on searched principal to query |
| | | Application Stripe Principal Type | obi Application Role ▼ Starts With ▼ | • | 0 | |
| | | Create | | s | | |
| | | Principal EIAdministrator FISustem | Elsplay Name BI Administrator Role BI System Role | Descri | ption | |
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| | | Estepo colever | PCOBS CONSumer Kore | | | |
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| | | □Policies for BIConsumer | | | | |
| | | Permissions | | | | |
| | | Resource Name | | Recource Type | Permission Actions | Permission Class |
| | | Explore | | rtd_lc_pcrsp | dc_perspective | oracle securityjps,Resource?ermission * |
| | | At4Glance | | rtd_lc_persp | dc_perspective | oracle.securityjps.ResourcePermission |
| | | ة _ه | | rtd_batch rtd_ls | batch admin choice editor | oracle securitygs.ResourcePermission |
| | | -10L | | 100_15 | choice_cuto. | urene securitygps.resource-emission |
| | | | | | | |



- 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.

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| WebLogic Domain | Application Policies > Create Applie | cation Grant | | | | |
| 🖻 🔡 bifoundation1203_dom | Create Application Grant | | | | | OK Cancel |
| AdminServer | Application Stripe obi | | | | | |
| ■ ↓ bi_duster | Grantee | | | | | |
| 🗄 🚞 Business Intelligence | Select the grantees (user, group | or application role) you want to ac | ld to the policy. | | | |
| 🗉 🛅 Metadata Repositories | 👍 Add 🛛 💥 Delete | | | | | |
| | Name | Display Name | Туре | Description | | |
| | No users or groups added. | Add Principal | | | | |
| | | | elect the application roles that you | | | |
| | | Specify criteria to search and s Search | elect the application roles that you | want to grant permissions to. | | |
| | | | | | | |
| | | Туре | Application Role 💌 | | | |
| | Permissions | Principal Name | Starts With 💌 | | | |
| | 9 | Display Name | Starts With 💌 | ۷ | | |
| | 👍 Add 🥒 Edit 💥 De | Searched Principals | | | | |
| | Permission Class | Principal | Display Name | Description | Resource Type | Permission Actions |
| | No permissions added. | BISystem | BI System Role | | | |
| | | BIAdministrator | BI Administrator Role | | | |
| 1 | | BIAuthor | BI Author Role | | | |
| | | BIConsumer | BI Consumer Role | | | |
| | | BIReportViewer | FCUBS Consumer Role | | | |
| | | ALLROLES | ALLROLES | ALLROLES | | |
| | | authenticated-role | Authenticated Role | | | |
| | | anonymous-role | Anonymous Role | | | |
| | | | | | | |
| | | | | | | |
| | | | | OK Cancel |] | |
| | | | | | 4 | |
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- Click Add button under Permissions and add the two permissions one by one as mentioned below.
 - oracle.bi.publisher.runReportOnline
 - oracle.bi.publisher.accessReportOutput

| ∃ • | ELCM121MAT () | | | | | Logged in as infra |
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| Application Deployments | | | | | | |
| 🗸 🚞 WebLogic Domain | Application Policies > Create Appli | cation Grant | | | | |
| V 📑 ELCM121MAT | Create Application Grant | | | | | OK Cancel |
| 📇 AdminServer | Application Stripe obj | | | | | |
| ⊳ 💂 bi_cluster | Grantee | | | | | |
| 🛅 Business Intelligence | Select the grantees (user, gro | up or application role) you want to add to | the policy. | | | |
| - 🚞 Essbase Servers | 👍 Add 🛛 💥 Delete | | | | | |
| • Detadata Repositories | Name | Display Name | Type | Description | | |
| | ALLROLES | ALLROLES | Application Role | ALLROLES | | |
| | ALKOLES | HEROLES | Appreciation roots | PIERCOLES | | |
| | Permissions | | nypikadon Kolo | | | |
| | Permissions | | Resource Nam | | Resource Type | Permission Actions |
| | Permissions | ilete | Resource Nam orado bi public | | Resource Type cracle.bi.publisher.permission cracle.bi.publisher.permission | Permission Actions |

- 9) After getting information message like "A security added successfully",
 - $\circ \quad \mbox{Login into the BIPublisher}\ ,\ \mbox{http/s:<hostname>:<port>/xmlpserver}$
 - o Click on the Administration .

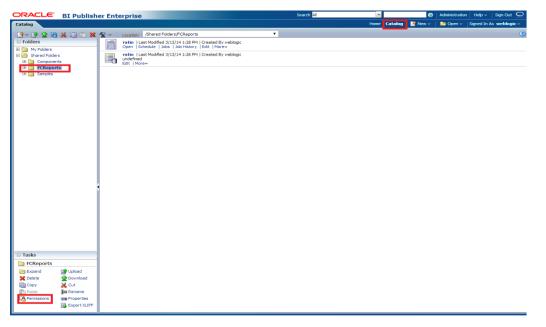
.



 Click on the Roles and Permission under Security center and check if the added role(in em) is displayed, If not restart the servers.

| ORACLE BI Publisher Enterprise | Search All | ~ | 0 | Administration | Help ∽ ∣ Sigr | n Out 📿 |
|--|---|--------------|-------|----------------------|------------------|-------------|
| Administration | | Home Catalog | Sew ~ | 📔 🗁 Open 🗸 | Signed In As we | blogic ~ |
| Data Sources JURC Connection • File • LDAP Connection • OLAP Connection | System Haintenance • server Configuration • Scheduler Configuration • Scheduler Diagnostics • Report Viewer Configuration | | | | | |
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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.

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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.

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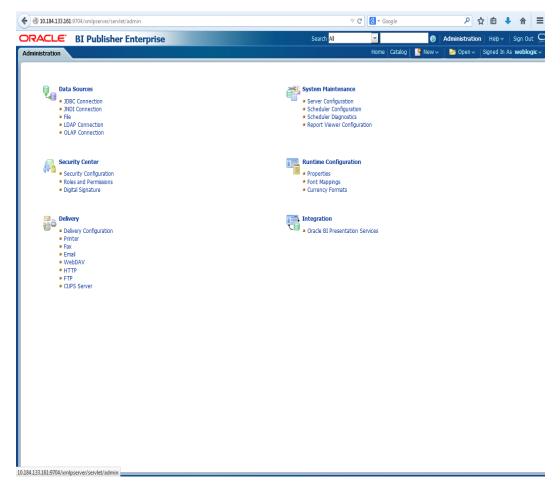


Now the reports in the folder will be accessed accordingly based on the roles.

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





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

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| | ke sure to install the required JDBC driver classe | | | | | | |
| With Orac | e Fusion Middleware Security Model, select the | Jse System User checkbox to use the BI System User for your BI Serve | er Database Connection. | | | | |
| | * Data Source Name | FCSOA | | | | | |
| | | Oracle 11g | | | | | |
| | * Database Driver Class | oracle.jdbc.OracleDriver (Example: oracle.jdbc.OracleDriver) | | | | | |
| | * Connection String | jdbc:oracle:thin:@//ofss222783.in.oracle.com:1521/FCUBSDEV121 | | | | | |
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| Backup Data So | ource | | | | | | |
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| | | Use Backup Data Source | | | | | |
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16. Add the fcubs roles to allowed Roles under security

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| Security | | | | | | | |
| Allow Guest Access | Available Roles EI Administrator Role EI Author Role EI Synsumer Role FCUIS Consumer Role | Allowed Roles | | | | | |

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

1.2.8 BAM Report Configuration settings

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

| Change Center | 1 | Ho | ne Log Out Preferences 🛃 Record Help | | | We | lcome, weblogic | Connected to: dev_domai |
|--|---|-------|---|---------------|--------|---------------------------|---|-------------------------|
| View changes and restarts | н | ome : | Summary of Deployments | | | | | |
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| Configuration editing is enabled. Future changes will automatically be activated as you | | | | | | | | |
| nodify, add or delete items in this domain. | 0 | ontr | Monitoring | | | | | |
| omain Structure | | | | | | | | |
| v_domain | | | age displays a list of Java EE applications and stand-alone application modules the id, stopped, updated (redeployed), or deleted from the domain by first selection | | | | | |
| Environment | | | | | | and using the t | concros on che pag | e. |
| Deployment Services | | To in | stall a new application or module for deployment to targets in this domain, click t | he Install bu | tton. | | | |
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| | | | 😹 AqAdapter | Active | 🛩 ок | Resource Adapter | soa_server1 | 324 |
| Install an enterprise application | | | E Coposti | Active | 🛩 ок | Enterprise Application | soa_server1 | 313 |
| Configure an enterprise application | | - | E BamComposer | Active | 🛩 ок | Enterprise | bam server1 | 500 |
| Update (redeploy) an enterprise application | | - | Bancomposer | Active | V UK | Application | Dam_server1 | 500 |
| Start and stop a deployed enterprise application | | | E CBamCQService | Active | 🛩 ок | Enterprise Application | bam_server1 | 300 |
| Monitor the modules of an enterprise application | | | € BamServer | Active | 🛩 ок | Enterprise Application | bam_server1 | 400 |
| Deploy EJB modules Install a Web application | | | | Active | 🛩 ок | Enterprise Application | soa_server1 | 385 |
| vstem Status | | | operence-transaction-rar | Active | 🛩 ок | Resource Adapter | AdminServer, bam_server1, soa_server1 | 100 |
| Failed (0) | | | CoherenceAdapter | Installed | | Resource Adapter | | 331 |
| Critical (0) Overloaded (0) | | | DbAdapter | Active | 🛩 ок | Resource Adapter | soa_server1 | 322 |
| Warning (0) OK (3) | | | Contraction | Active | 🛩 ок | Enterprise Application | soa_server1 | 314 |
| ON (D) | | | OMS Application (12.1.3.0.0) | Active | 🛩 ок | Web Application | AdminServer, bam_server1, soa_server1 | 5 |

4. click on Configuration Configuration \rightarrow Save



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| Configuration editing is enabled. Future | Settings for Ba | mCompose | r | | | | | | | | |
| changes will automatically be activated as you modify, add or delete items in this domain. | Overview D | eployment Pl | an Configuration | Security | Targets | Control | Testing | Monitoring | Notes |] | |
| Domain Structure | Application | Workload | Instrumentation | | | | | | | | |
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| Deployments Services Security Realms | This page de | scribes the co | nfiguration informatio | n that is cu | rrently defin | ed in the o | leployment | plan for the | selected i | module or component. | |
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| low do I E | Session Time | out (in seco | nds): | 3600 | | | | | | of time (in seconds) that a session can remain one it is invalidated. More Info | |
| Create a deployment plan Update a deployment plan | 🔲 Debug En | abled | | | | | | En | able debu | gging information for this session More Info | |
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5. Click on Overview→check the deployment plan location

| ORACLE WebLogic Server Adr | ninistration Conso | ole 12c | | | | | | | | |
|--|--------------------|---------------------|--------------------------------------|---------------|------------|------------|--------------|------------------------|---|--|
| hange Center | 🕜 Home Log | Out Preference | s 💽 Record He | lp | | Q | | | | Welcome, weblogic Connected to: dev_do |
| lew changes and restarts | Home >Summa | ry of Deployments > | BamComposer >Sur | nmary of Depl | oyments >B | amCompose | r >Summary | of Deployment | s >BamCo | mposer |
| onfiguration editing is enabled. Future | Settings for B | amComposer | | | | | | | | |
| hanges will automatically be activated as you nodify, add or delete items in this domain. | Overview | Deployment Plan | Configuration | Security | Targets | Control | Testing | Monitoring | Notes | |
| omain Structure | Save | | | | | | | | | |
| ev_domain B-Environment Deployments D-Services Security Realms | plan, and so | on. The table at | | ge lists the | | | | | | the application files, the associated deployment contained in the enterprise application. Click on the |
| 8- Interoperability 8- Diagnostics | Name: | | BamComposer | | | | | Th | e name of | this enterprise application. More Info |
| | Path: | | / scratch/ app/ fr BamComposer. e | | dleware/ s | oa/ bam/ a | pplications/ | | | the source of the deployable unit on the n Server. More Info |
| | Deployment | | / scratch/ app/ fr Plan3. xml | nw12c/ Mid | dleware/ s | oa/ bam/ a | pplications/ | | | the deployment plan document on the n Server. More Info |
| ow do I E | Staging Mod | le: | nostage | | | | | on | the Admir | ther a deployment's files are copied from a source istration Server to the Managed Server's staging oplication preparation. More Info |
| application Configure an enterprise application Create a deployment plan Target an enterprise application to a server | Plan Staging | Mode: | (not specified) | | | | | fro | m a source | ther an application's deployment plan is copied on the Administration Server to the Managed ng area during application preparation. More Info |
| Test the modules in an enterprise application | Security Mo | del: | DDOnly | | | | | | e security dule. Mo | model that is used to secure a deployed re Info |
| ystem Status E | 街 Deploym | ent Order: | 500 | | | | | rela | | lue that indicates when this unit is deployed, her deployable units on a server, during re Info |
| Faled (0) Critical (0) Overloaded (0) Warning (0) OK (3) | 🛃 Deploym Name: | ent Principal | | | | | | wh Th call Ap | en deploy s principal ing out int plicationLif | that indicates the principal that should be used ng the fife or archive during startup and shutdown. will be used to set the current subject when o application code for interfaces such as ecycleListener. If no principal name is specified, nymous principal will be used. More Info |
| | Save | | | | | | | | | |
| | | d Components | | | | | | | | |

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> | |
|---|--------------------|
| | |
| <module-descriptor external="true"></module-descriptor> | |
| <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-</xpath> | |
| name="oracle.adf.view.rich.security.FRAME_BUSTING"]/param-value <th><mark> ></mark></th> | <mark> ></mark> |
| <pre><origin>planbased</origin></pre> | |
| | |



| - Services - Security Realms - Interoperability - Diagnostics | - C- | stomize this table | | | | | | | |
|--|------|---------------------------|------------|---------------------------------------|---------------|---------|---------------------------|---|-----------------------|
| | In | stall Update Delete | Start v | Stop ¥ | | | | Showing 1 to 4 | 7 of 47 Previous Ne |
| | | Name 🙈 | | When work completes Force Stop Now | | alth | Туре | Targets | Deployment Orde |
| | 8 | AqAdapter | | Stop, but continue servicing administ | ration reques | ts OK | Resource Adapter | soa_server1 | 324 |
| w do I E | 8 | E Bb2bui | | | Active | 🛩 ок | Enterprise Application | soa_server1 | 313 |
| Configure an enterprise application | C | E BamComposer | | | Active | 🛩 ок | Enterprise Application | bam_server1 | 500 |
| Jpdate (redeploy) an enterprise application Start and stop a deployed enterprise ioplication | | (#) BamCQService | | | Active | 🛩 ок | Enterprise Application | bam_server1 | 300 |
| Monitor the modules of an enterprise application | 63 | 🖲 📑 BamServer | | | Active | 🖋 ок | Enterprise Application | bam_server1 | 400 |
| Deploy EJB modules Install a Web application | | B BPMComposer | | | Active | 🖌 ок | Enterprise Application | soa_server1 | 385 |
| tem Status 🛛 🗉 | 8 | Scoherence-transaction-ra | r | | Active | 🖋 ок | Resource Adapter | AdminServer, bam_server1, soa_server1 | 100 |
| Failed (0) | | S CoherenceAdapter | | | Installed | | Resource Adapter | | 331 |
| Critical (0) Overloaded (0) | 8 | DbAdapter | | | Active | 🖋 ОК | Resource Adapter | soa_server1 | 322 |
| Warning (0) OK (3) | 23 | E Default ToDo TaskFlow | | | Active | 🖌 ок | Enterprise Application | soa_server1 | 314 |
| OK (3) | 6 | DMS Application (12.1 | .3.0.0) | | Active | 🖋 ок | Web Application | AdminServer, bam_server1, soa_server1 | 5 |
| | 8 | ⊞ <mark>⊡</mark> em | | | Active | 🛩 ок | Enterprise Application | AdminServer | 400 |
| | 13 | E FCUBSAppIUT (12.1.0 | .0.0) | | Active | Warning | Enterprise Application | soa_server1 | 600 |
| | | E CFCUBSAppSoaEmb (1 | 2.1.0.0.0) | | Prepared | 🗸 ок | Enterprise Application | soa_server1 | 601 |
| | 8 | FieAdapter | | | Active | 🛩 ок | Resource Adapter | soa_server1 | 321 |
| | 8 | E Cofrevvo | | | Installed | | Enterprise Application | | 100 |
| | len. | FtnAdanter | | | Active | 🖌 ОК | Resource | soa server1 | 325 |

7. Stop the BAM composer application in console.

- 8. Update the deployment plan.
- 9. Click on deployments \rightarrow click on BAM Composer checkbox \rightarrow Click on update



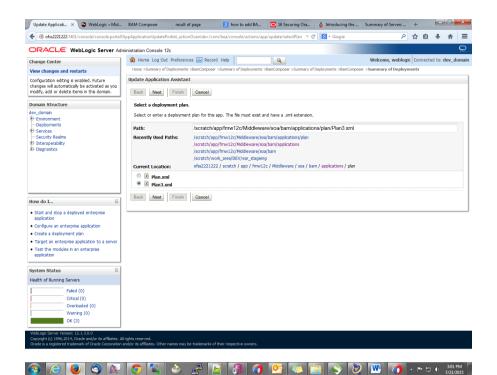
| Change Center | | Home Log Out Preferences 🛃 Record H | elp Q | | We | come, weblogic C | onnected to: dev_doma |
|---|-----------|---|--|-------------|---------------------------|---|-----------------------|
| View changes and restarts | Hom | e >Summary of Deployments >BamComposer >Su | mmary of Deployments >BamComposer >Summary of Dep | oyments >B | mComposer >S | ummary of Deploym | ents |
| Configuration editing is enabled. Future | Sum | mary of Deployments | | | | | |
| changes will automatically be activated as you modify, add or delete items in this domain. | Con | trol Monitoring | | | | | |
| bomain Structure ev_domain Encloyments Services -Secures -Secu | sta To | arted, stopped, updated (redeployed), or de | and stand-abne application modules that have bee leted from the domain by first selecting the applica syment to targets in this domain, click the Install bu | tion name a | | | |
| | | nstall Update Delete Start v | Stop v | | | Showing 1 to 47 | of 47 Previous Next |
| | E |] Name ↔ | State | Health | Туре | Targets | Deployment Order |
| | | AqAdapter | Active | 🛩 ок | Resource Adapter | soa_server1 | 324 |
| Iow do I E Instal an enterprise application | 2 | E Bozbui | Active | 🛩 ок | Enterprise Application | soa_server1 | 313 |
| Configure an enterprise application Update (redeploy) an enterprise application | | BamComposer | Active | 🛩 ок | Enterprise Application | bam_server1 | 500 |
| Start and stop a deployed enterprise application | | BamCQService | Active | 🛩 ок | Enterprise Application | bam_server1 | 300 |
| Monitor the modules of an enterprise application | 2 | BamServer | Active | 🛩 ок | Enterprise Application | bam_server1 | 400 |
| Deploy EJB modules Install a Web application | | BPMComposer | Active | 🛩 ок | Enterprise Application | soa_server1 | 385 |
| ystem Status E | |] 👼 coherence-transaction-rar | Active | 🛩 ок | Resource Adapter | AdminServer, bam_server1, soa_server1 | 100 |
| Faled (0) | | CoherenceAdapter | Installed | | Resource Adapter | | 331 |
| Critical (0) Overloaded (0) | E | DbAdapter | Active | 🛩 ок | Resource Adapter | soa_server1 | 322 |
| Warning (0) OK (3) | 2 | Default ToDo TaskFlow | Active | 🛩 ок | Enterprise Application | soa_server1 | 314 |
| OK (3) | | | Active | 🛩 ок | Web Application | AdminServer, bam_server1, | 5 |

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

| ORACLE WebLogic Server Adm | ninistration Console 12c | | | Q |
|---|---|---|-----------------------------------|---|
| Change Center | 🙆 Home Log Out Preferences 🔤 Rea | cord Help | Q | Welcome, weblogic Connected to: dev_domain |
| View changes and restarts | Home >Summary of Deployments >BamCompo | ser >Summary of Deployments | >BamComposer >Summar | y of Deployments >BamComposer >Summary of Deployments |
| Configuration editing is enabled. Future changes will automatically be activated as you modify, add or delete items in this domain. | Update Application Assistant Back Next Finish Cancel | 1 | | |
| Domain Structure | Locate new deployment files | | | |
| dev_doman Bir Environment IIII Bir Environment IIIII Bir Senvices IIII Senvices IIIII Senvironment Bir Interoperation Bir Diagnostics | Redeploy this application using the second secon | vith new deployment plan app/fmw12c/Middleware/sc he following deployment | a/bam/applications/plar files: | |
| | Deployment plan path: /scratch/ | app/fmw12c/Middleware/sc | a/bam/applications/plar | /Plan3.xml Change Path |
| How do I E • Start and stop a deployed enterprise application | Back Next Finish Cancel | | | |
| Configure an enterprise application | | | | |
| Create a deployment plan | | | | |
| Target an enterprise application to a server Test the modules in an enterprise application | | | | |
| System Status | | | | |
| Health of Running Servers | | | | |
| Faled (0) Critical (0) Overloaded (0) Warning (0) OK (3) | | | | |
| WebLogic Server Version: 12.1.3.0.0 Copyright (c) 1996,2014, Oracle and/or its affiliates. All Oracle is a registered trademark of Oracle Corporation i | | s of their respective owners. | | |

11. Select the latest plan.xml in the in the path \rightarrow next \rightarrow Finish





| Change Center | | | ferences 💽 Record He | | Q | | | | Connected to: dev_dom |
|--|---------|--------------------|---|--------------------------|----------------------------|--------------|---------------------------|---|-------------------------|
| iew changes and restarts | | | yments >BamComposer >Sum | mary of Deployments >Bam | omposer >Summary of Dep | oloyments >8 | amComposer >S | ummary of Deploy | ments |
| Configuration editing is enabled. Future hanges will automatically be activated as you nodify, add or delete items in this domain. | | | en activated. No restarts : nts were updated. | are necessary. | | | | | |
| omain Structure | Sum | nary of Deployme | nts | | | | | | |
| ev_domain E-Environment | 60 | trol Monitoring | | | | | | | |
| Deployments Services -Securty Realms Interoperability Dagnostics | st T | rted, stopped, upd | t of Java EE applications ar ated (redeployed), or dele ation or module for deploy e | eted from the domain by | first selecting the applic | ation name | | | |
| | | ployments | ~ | | | | | | |
| | | nstall Update | Delete Start v | Stop v | | | | Showing 1 to 4 | 7 of 47 Previous Next |
| low do I 🗉 | | Name 🚕 | | | State | Health | Туре | Targets | Deployment Order |
| Install an enterprise application | | | | | | | | | |
| Configure an enterprise application | E | AqAdapter | | | Active | 🖋 ок | Resource Adapter | soa_server1 | 324 |
| Update (redeploy) an enterprise application Start and stop a deployed enterprise application | E | E _b2bui | | | Active | 🖋 ок | Enterprise Application | soa_server1 | 313 |
| Monitor the modules of an enterprise application | E | 🗈 📑 BamCompo | oser | | Prepareo | в 🛩 ок | Enterprise Application | bam_server1 | 500 |
| Deploy EJB modules Install a Web application | E | E BamCQSer | vice | | Active | 🖋 ОК | Enterprise Application | bam_server1 | 300 |
| ivstem Status E | E | BamServer | | | Active | 🛩 ок | Enterprise Application | bam_server1 | 400 |
| Health of Running Servers | E | BPMCompo | oser | | Active | 🛩 ок | Enterprise Application | soa_server1 | 385 |
| Failed (0) Critical (0) | E | oherence-tra | insaction-rar | | Active | 🛩 ок | Resource Adapter | AdminServer, bam_server1, soa_server1 | 100 |
| Overloaded (0) Warning (0) | E | CoherenceAd | apter | | Installed | | Resource Adapter | | 331 |
| OK (3) | | | | | | | Resource | | |
| | | DbAdapter | | | Active | 🖋 ок | Adapter | soa_server1 | 322 |



12. Restart the BAM Composer application in the console

| Change Center | Home Home | Log Out Preferences 🔤 Record Help | Q | | | | | Welcome, admin | onnected to: AlphaDomai |
|--|-----------|--|---------------------------------|---------------------------|------------|--------------|---------------------------|--------------------------------------|-------------------------|
| View changes and restarts | | amComposer >Summary of Deployments >Bar | Composer >Summary of I | | er >Summar | y of Deploym | ents >Summary of ! | Servers >Summary of | |
| Configuration editing is enabled. Future | Messages | ents >/bam/composer >Summary of Deployn | ients | | | | | | |
| changes will automatically be activated as you nodify, add or delete items in this domain. | | " ted Deployments have been requested to st | op. | | | | | | |
| Domain Structure | Summary | y of Deployments | | | | | | | |
| IphaDomain A | Control | Monitoring | | | | | | | |
| ···Servers ⊕-Clusters ···Coherence Clusters ···Machines ···Virtual Hosts E | (redeplo | ge displays a list of Java EE applications and oyed), or deleted from the domain by first se all a new application or module for deploymer | lecting the application na | me and using the controls | | | stalled application | s and modules can be started | d, stopped, updated |
| Work Managers Startup and Shutdown Classes Deployments Services Services Services | Custon | nize this table | | | | | | | |
| P-Interoperability P-Diagnostics | Install | \sim | pγ | | | | | Showing 1 to 48 | of 48 Previous Next |
| tow do I 😑 | E Na | ame 😞 | uests dministration requests | | State | Health | Туре | Targets | Deployment Order |
| Install an enterprise application Configure an enterprise application | | AqAdapter | | | Prepared | ∢ок | Resource Adapter | SOAServer | 324 |
| Update (redeploy) an enterprise application Start and stop a deployed enterprise | | B 🕞 b2bui | | | Prepared | 🛩 ок | Enterprise Application | SOAServer | 313 |
| Application Monitor the modules of an enterprise | | BamComposer | | | Prepared | ≪ок | Enterprise Application | BAMServer | 500 |
| application • Deploy EJB modules | | BamCQService | | | Active | ≪ок | Enterprise Application | BAMServer | 300 |
| Install a Web application | | BamServer | | | Active | ≪ок | Enterprise Application | BAMServer | 400 |
| ealth of Running Servers | | BPMComposer | | | Active | 🖋 ок | Enterprise Application | SOAServer | 385 |
| Faled (0) | | coherence-transaction-rar | | | Active | ≪ок | Resource Adapter | AdminServer, BAMServer, SOAServer | 100 |
| Critical (0) Overloaded (0) | | CoherenceAdapter | | | Installed | | Resource Adapter | | 331 |
| Warning (1) OK (2) | | DbAdapter | | | Active | 🖋 ок | Resource Adapter | SOAServer | 322 |
| | | DefaultToDoTaskFlow | | | Active | ≪ок | Enterprise Application | SOAServer | 314 |
| | | DMS Application (12.1.3.0.0) | | | Active | ¢ок | Web Application | AdminServer, BAMServer, SOAServer | 5 |
| | | | | | - | - | | | |

- 13. Login in to em console http://hostname:port/em
- 14. Right Click on BAM Server→Security→Application Roles

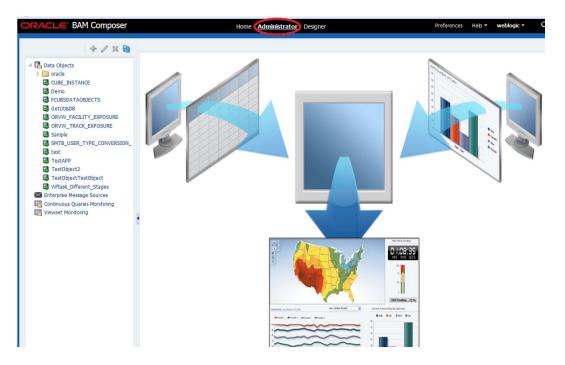
| Farget Navigation | | 👚 BamServer 🔞 | | Logged in as weble | ogicl 📃 ofss2221222.in.oracle.c |
|--|--|---|---|--|---------------------------------|
| View • | | 🖫 Business Activity Monitoring 🕶 | | Page Refreshed Jul 2 | 23, 2015 11:17:31 AM IST |
| Application Deployments SOA WebLopic Domain Busness Actudy Montonne Busness Actudy Montonne Busness Actudy Montonness Wese Messaging Service | Home Home Monitoring Control Logs Security App | nirrerent from application name. Role Name Starts With 💽 | registered. These are also applicat .ogic Domain, use the <u>Qracle Web</u> rce | tion roles that are created in the con | text of end users accessing the |

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



| ORACLE Enterprise Manager Fusion Middleware Cont | rol 12c | 👥 weblogic 🕶 🔘 |
|---|--|---|
| | | |
| Target Navigation View ▼ | BamServer ③ Business Activity Monitoring ▼ | Logged in as weblogic light of ss2221222.in.oracle.com Page Refreshed Jul 23, 2015 11:20:30 AM IST |
| Application Deployments SoA Sussessment Experiments SoA Weblog: Domain Demonstrate Report (Dam, Server1) Metadata Repositories User Messaging Service | Create Application Role General Application BamServer Strue * Role Hame ALLROLES-000 Description Members An application role may need to be mapped to users or groups defined in roles. Verv Add Chelte Debay Name No groups or app Add roles } added. | OK Cancel enterprise LDAP server, or the role can be mapped to other application Type |

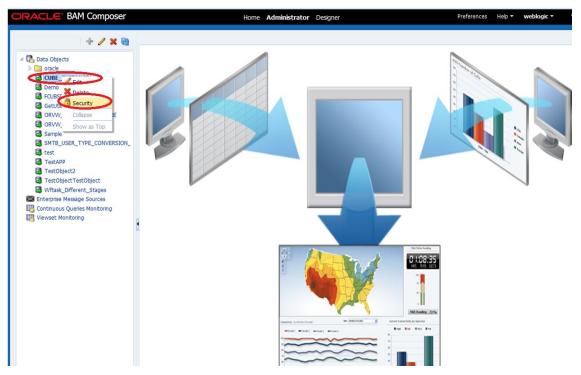
16. Select the Type as Group and add principle details be referring the below screen shot.



17. Login to BAM Composer \rightarrow <u>http://hostname:port/bam/composer--</u>> 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

| ORACLE BAM Composer | | Ho | me Admi | nistrator Designer | | Preferences | Help 🔻 | weblo | gic 🕶 |
|--|--|--------|---------|--|-------------|-------------|--------|-------|-------|
| + / × @ | GetUtilsDB (Security) | 1 | | | | | | | 2 🖬 |
| | Full Name /data Owner Type USER Owner Name webic | | | | | | (| 69 | Save |
| ORVW_FACILITY_EXPOSURE | 1. Grant permission | | | Add Application Roles, Groups | s and Users | | | × | - |
| Sample | View 🔻 💠 💥 | Detach | | Name (| | | | | |
| Sample Sample SMTB_USER_TYPE_CONVERSION_ Conversion_ TestAPP TestObject2 TestObject2 Wittask_Different_Stages Mittask_Different_Stages Continuous Queries Monitoring Vewset Monitoring | Role Name | | Write | Search Avalanter Members BPM-Content/News [ALLROLES-000 | Select | ed Members | | | |
| | 2. Deny Permission | | | OK Cancel | | | | | |
| | View - + × | Detach | | | | | | | |
| | Role Name | Read | Write | | | | | | |
| | No data to display | | | | | | | | |



20. Move the ALLROLES-000 to Selected members.

| ORACLE BAM Composer | | Home | Administ | rator Designer | Preferences | Help 🔻 | weblog | jic ▼ ⊂ |
|--|---|-------------------------|----------|---|----------------------------------|--------|-----------|---------|
| + / × @ | GetUtilsDB (Security) × | 1 | | | | | | ③ ⊠ - |
| | Full Name /dataoi Owner Type USER Owner Name webloc | bject/GetUtilsDB Jic | | | | ١ | <u>69</u> | Save |
| ORVW_FACULTY_EXPOSURE ORVW_TRACK_EXPOSURE Sample SMTE_USER_TYPE_CONVERSION_ Test TestAPP TestObject2 | Role Name | V V | Write | dd Application Roles, Groups ame et Application Role • Search Available Members BPMContentViewer | Selected Members ALLROLES-000 | | × | |
| | | Detach Read | Write | OK Cancel | | | | |

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

| RACLE [®] BAM Composer | | | lome Administ | rator Designer | | | Preferences H | elp • weblogic • |
|--|--|------------------------|---------------|----------------|----------|--------|---------------|------------------|
| + 🦯 🗙 🚱 | GetUtilsDB (Security) × | | | | | | | () |
| Data Objects oracle CUBE_INSTANCE Demo CUBE_INSTANCE CUBE_INSTANCE CUBE_INSTANCE CUBE_INSTATAOBJECTS GetUtIsOB | Full Name /datage Owner Type USER Owner Name weblo | bject/GetUtilsD gic | B | | | | | i 💀 Sav |
| ORVW_FACILITY_EXPOSURE | 1. Grant permission | | | | | | | |
| Sample | View 👻 💠 🗙 | Detach | | | | | | |
| SMTB_USER_TYPE_CONVERSION_ | Kole Name | Read | Write | Remove | Select | Delete | Update | Security |
| 🗟 test | 88 ALLROLES-000 | | | | | | | |
| TestAPP | BAMArchitect | V | | 2 | | | | |
| TestObject2 | BAMContentCreator | | | (m) | | | | |
| TestObjectTestObject Wftask_Different_Stages | BAMContentViewer | V | | | V | | | |
| Enterprise Message Sources Continuous Queries Monitoring Reviewset Monitoring | | | | | | | | |
| | 2. Deny Permission | | | | | | | |
| | View 🔻 🛖 💥 | 🛃 Detach | | | | | | |
| | Role Name | Read | Write | Remove | Select | Delete | Update | Security |
| | No data to display | | | | | | | |



- 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

| ORACLE BAM Composer | Home Administrator Designer | Preferences Help • weblogic • |
|---|---|--------------------------------------|
| CUBS_BAM_Report | Image: Second of All second of and All second of and All second of and All second of and and All second and All se | Aodel Data |
| Create C | What do you want to cree Dashboards and Alerts Dashboards are composed of one or more views Create one | eate? |

24. Click on FCUBS_BAM_report

| COURS_RAM_Report = COURS_RAM_Report = Wata Dubbavis Dubbavis A Arts Dubbavis Core Mojet TereApp_2204 TereApp_2204 TereApp_2204 TereApp_2204 TereApp_2204 TereApp_2204 TereApp_2204 TereApp_2204 TereApp_2204 TereApp_2204 TereApp_2204 TereApp_2204 | ORACLE BAM Composer | Home Administrator Designer | Preferences Help - weblogic - C |
|--|--|---|---------------------------------|
| | Image: Contract of the second sec | Select the project to open Das FCUBS_BAM_Report Process Analytis TestApp_2204 t to more | views |



25. click on FCUBS_BAM_Report →Security

| ORACLE' BAM Composer | Home Administrator Designer | Preferences Help + weblogic + |
|--|--|--------------------------------------|
| CCUBS BAM_Report CCUBS BAM_Report Create Create Delete Socurty Rename Socurty Rename Alerts Parameters | Dashboard or Al What do you want to create? Dashboards and Alerts | Data |
| | Dashboards are composed of one or more views Create one Alerts are notifications based on KPIS, Queries, or Pattern Matches Create one | |
| | | |

26. Click on ADD button Under Grant Permission.

| ORACLE BAM Composer | | Home | Administrator De | signer | | Preferences Help ▼ | weblogic 🔻 |
|---|------------------------------------|---|------------------|--------|----------|--------------------|------------|
| CUBS_BAM_Report 💌 | FCUBS_BAM_Report | : (Security) $_{\times}$ | | | | | 21 |
| | Contract Security | | | | | () | Save |
| C¹/₁ Data Objects III Business Queries F NPIs Sease Stress Views III Santess Views III Santess Views | Owner Type US | oject/FCUBS_BAM ER blogic | _Report | | | | |
| Alerts | 1. Grant permissio | n | | | | | 1 |
| Parameters | View - | Detach | | | | | |
| | Role Name Add BAMContencered | Application Roles | Groups and Users | Remove | Security | | |
| | BAMContenecrea BAMContentViev | | | | | | |
| | NU CHARGE | | | - | | | |
| | | | | | | | |
| | 2. Deny Permission | 1 | | | | | |
| | View 👻 🍦 💥 | Personal Contract of Contract | | | | | |
| | Role Name No data to display | Read | Write | Remove | Security | | |
| | | | | | | | |



| ORACLE' BAM Composer | | Home Adm | inistrator Desi g | ner | | Preferences | Help 🔻 | weblogic 🔻 | C |
|--|---|-------------------------|--------------------------|--------|----------|-------------|--------|------------|----|
| FCUBS_BAM_Report 💌 | FCUBS_BAM_Report | (Security) 🗙 | | | | | | ? No. 1 | Ŧ |
| | 🖪 Security | | | | | | i | Save Save | |
| Bata Objects Business Quenes KPIs Business Views Business Views Boashboards | Full Name /proj Owner Type USEF Owner Name webl | | ort | | | | | | |
| Alerts ▷ IIII Parameters | 1. Grant permission | | | | | | | - | i. |
| V una Parameters | View - + × | | | | | | | | |
| | Role Name Add A | application Roles, Grou | ups and Users | Remove | Security | | | | |
| | BAMContencereace BAMContentViewe | | | | | | | | |
| | A BAMCONCENT/VIEWE | | | | | | | | |
| | 2. Deny Permission | | | | | | | | |
| | View 🔻 💠 💥 | Detach | | | | | | | |
| | Role Name | Read | Write | Remove | Security | | | | |
| | No data to display | | | | | | | | |

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

| ORACLE BAM Composer | Home Administrator Designer | Preferences | Help 👻 | weblog | jic 🔻 |
|---|--|-------------|--------|--------|-------|
| FCUBS_BAM_Report 🖃 🗁 🔶 🗶 🚳 | FCUBS_BAM_Report (Security) × Security Full Name /project/FCUBS_BAM_Report | | i | 69 | 3 🕅 🕈 |
| [®] RPIs | Owner Type USER Owner Name weblogic | | | | |
| > 🖼 Parameters | Ad Application Roles, Groups and Users Name Search Available Hembers BAMArchitect PDMCratativever ALIROLES-000 CK Cancel CK Cancel | | | | |



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

| ORACLE BAM Composer | Home Administrator Designer | Preferences | Help 🔻 | weblog | jic 🔹 🔾 |
|--|---|-------------|--------|--------|---------|
| FCUBS_BAM_Report | FCUBS_BAM_Report (Security) × | | | | |
| Arta Objects Business Queries Kols Business Views Business Views Business Views Martis Artis Pers Parameters | Security Full Name /project/FCUBS_BAM_Report Owner Type USER Owner Name weblogic L. Grant permission Add Application Roles, Groups and Users × | | (1) | | Save |
| | Name Lut: Application Role Search Available Members BAMArchitect BPMContentViewer K K Cancel | | | | |
| | | | | | |

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

| ORACLE BAM Composer | Home | e Administrator Designer | Preference | s Help - weblogic - |
|--|--|---------------------------------|------------|----------------------------|
| FCUBS_BAM_Report 🗷 | FCUBS_BAM_Report (Security) × | | | 2 🛛 - |
| ▷ Data Objects ▷ Eig Business Queries ֎ RPIs ▷ Eig Business Views ▷ Dashboards ▲ Alerts | Full Name /project/FCUBS_B Owner Type USER Owner Name weblogic | AM_Report | | |
| D Im Parameters | 1. Grant permission | | | |
| | View 👻 🛖 🔀 Detach Role Name Read | Write Remove | Security | |
| • | ALL ROLES-000 | | | |
| | 8 BAMContentCreator | V | | |
| | 😫 BAMContentViewer 🗹 | | | |
| | | | | |
| | 2. Deny Permission | | | |
| | View • + X Detach | | | |
| | Role Name Read | Write Remove | Security | |
| | No data to display | | | |



1.2.9 IPM configuration to edit the document

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

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

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

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

| Change Center | 6 | home Log O | Out Preferences 🔤 Reco | ord Help | Q | | | | Welcome, we | eblogic Connected to: IPM_d | | |
|---|----|-----------------|----------------------------|----------------------|---------------------------|----------------|---------------|-----------------|-------------|----------------------------------|--|--|
| View changes and restarts | | Home | | | | | | | | | | |
| Configuration editing is enabled. Future | Se | ettings for my | /realm | | | | | | | | | |
| changes will automatically be activated as you modify, add or delete items in this domain. | | | | Roles and Policies | Credential Mappings | Providers | Migration | | | | | |
| modify, and or delete items in this domain. | | | | Koles and Policies | Credential mappings | Providers | Migrauun | | | | | |
| Domain Structure | | Users Group | ps | | | | | | | | | |
| IPM_domain | | - | | | | | | | | | | |
| Environment Deployments | | This page displ | lays information about eac | ch group that has b | been configured in this s | scurity realm. | | | | | | |
| B-Services | | | | | | | | | | | | |
| Security Realms | Þ | Customize th | his table | | | | | | | | | |
| Interoperability Diagnostics | | Groups | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | New Delete | 18 | | | | | | Showir | ing 1 to 10 of 568 Previous Ne | | |
| | | 🔲 Name 🖘 | > De | escription | | | | | | Provider | | |
| | | AC-BATCH | H Acr | counting Batch Ope | erations | | | | | Fcubs | | |
| | | AC-REPOR | IRTS Acc | counting Reports | | | | | | Fcubs | | |
| How do I 🖂 | | AC-RPT | Acc | counting Reports | | | | | | Fcubs | | |
| Manage users and groups | | ADMIN | Adr | min | | | | | | Fcubs | | |
| Create groups | | AdminCha | annelUsers Adr | minChannelUsers c | can access the admin cha | innel. | | | | DefaultAuthenticator | | |
| Modify groups | | Administra | ators Adr | ministrators can viv | iew and modify all resour | ce attributes | and start and | d stop servers. | | DefaultAuthenticator | | |
| Delete groups | | ADMINRO | DLE Ad | lmin Role | | | | | | Fcubs | | |
| | | AE-MAINT | T-IN AE | OD Maitenance | | | | | | Fcubs | | |
| System Status 🖂 | | AEOD-RP1 | T AE | OD Reports | | | | | | Fcubs | | |
| Health of Running Servers | | AEOD-STE | B Acr | counting Reports | | | | | | Fcubs | | |
| | | New Delete | le | | | | | | Showir | ng 1 to 10 of 568 Previous Ne | | |
| Failed (0) | | | | | | | | | | | | |
| Failed (0) Critical (0) | | | | | | | | | | | | |
| Critical (0) Overloaded (0) | Ľ | | | | | | | | | | | |
| Critical (0) | Ľ | | | | | | | | | | | |

• 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"



| ORACLE WebLogic Server® | Administration Conso | le | | Q |
|---|--|--|---------------|--|
| Change Center | | eferences 🔤 Record Help | Q | Welcome, weblogic Connected to: IPM_domain |
| View changes and restarts | Home | | | |
| Configuration editing is enabled. Future changes will automatically be activated as you | Create a New Group | | | |
| modify, add or delete items in this domain. | OK Cancel | | | |
| Domain Structure | Group Properties | | | |
| IPM_domain (B)-Environment Deployments (B)-Services | The following proper * Indicates required fie | ties will be used to identify your new elds | Group. | |
| Security Realms | What would you like to | o name your new Group? | | |
| Diagnostics | * Name: | IPMUserGroup | | |
| | How would you like to | describe the new Group? | | |
| | Description: | User group for IPM | | |
| | Please choose a provi | der for the group. | | |
| How do L | Provider: | | 1 | |
| Create groups | Frovider. | DefaultAuthenticator • | | |
| Modify groups | OK Cancel | | | |
| Delete groups | | | | |
| Create users Manage users and groups | | | | |
| Manage users and groups | | | | |
| System Status | | | | |
| Health of Running Servers | | | | |
| Failed (0) Critical (0) Overloaded (0) Warning (0) OK (3) | | | | |
| WebLogic Server Version: 10.3.6.0 Copyright © 1996, 2011, Oracle and/or its affiliates. Al Oracle is a registered trademark of Oracle Corporation | l rights reserved. 1 and/or its affiliates. Other 11. | ames may be trademarks of their respec | ctive owners. | |

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

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| Copyright (c) 2010, 2013 Oracle and/or its affiliates. All rights reserved. | Privacy Statement |
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- a. Navigate to Manage Applications
- b. Click on the FLEXCUBE
- c. Then click on the modify on the right pane



| ORACLE WebCenter Content: I | Imaging | Logged in as weblogic Help Refresh Preferences Logout About | 2 |
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| Manage Security Copyright (c) 2010, 2015 Oracle and/or its affiliates. All rights re- | rennet. | | Privacy Statement |

- 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

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- 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

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| USER_ID | USER_ID: Search Summary | | | | | | | | 🖉 Modify 🗙 Delete 👔 | Close |
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| | Conditions Application: FLEXCUBE (Field Opera Document Greated Conta Parameters | | Value Parameter | - Document Creat | ed By | | |) | Conjunction | |
| | Parameter Name Prompt Text | Operator Te | xt De | efault Value | Picklist | Required | Read Only | | | |
| | Document Created Document Created | Contains | | | | | | | | |
| | ⊡Security | | | | | | | | | |
| | Type Security Member | View | Modify | Delete | Grant Access | | | | | |
| | Administrators | ~ | ~ | ~ | × | | | | | |
| | □ Audit History | ~ | | | | | | | | |
| | Date Type 7/2/2014 Definition Create | User Name ARU1 | | | | | | | | |
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| Manage Connections | 7/4/2014 Definition Modify 7/4/2014 Definition Modify | weblogic weblogic | | | | | | | | |
| Manage Security | | | | | | | | | | |

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



| ORACLE' WebCenter Content | Imaging | Logged in as weblogic Help Refresh Preferences Logout About 🔘 |
|---|---|---|
| ය ලි Searches USER_ID ය ලි Tools | Properties Results Formatting Conditions Parameter Security Preview and Test Review Settings USER_ID: Search Security Provide search roles are the search select 'Next" when you have finished with search security. Gas Add Security Member Type Security Member | Cancel Back Negt. Science |
| B ⊕ Manage Applications B ⊕ Manage Applications B ⊕ Manage Connections B ⊕ Manage Security | Administrators MultierGroup MultierGroup | |

9) Copy the FCJJPSProvider.jar to location

<ORACLE_HOME >\user_projects\domains\<domian name>\lib

10) Go to the location - '<ORACLE_HOME>\

user_projects\domains\<Domain_created>\config\fmwconfig'

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

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

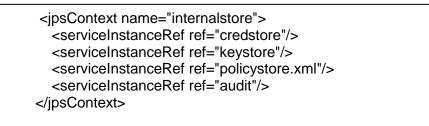
b. Similarly, Search for '<serviceInstances>' tag and add the following code between '<serviceInstances>' and '</serviceInstances>' tags.

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

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

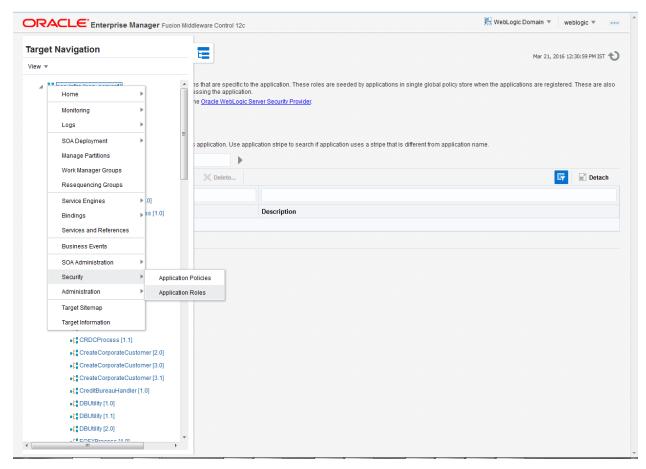


c. Search for '<jpsContexts default="default">' tag and add the following code between '<jpsContexts default="default">' and '</jpsContexts>', preferably after the default 'jpsContext'.



1.2.10 Configuring Superviser Roles in EM

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





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

| מאור | | erprise Mana | ger Fusion Middle | eware Control 12c | 🔄 WebLogic Domain 🔻 🛛 weblogic 🔻 | | |
|---|---|-------------------|----------------------|---|--|--|--|
| | SOA Infra 0 | e v | | | Mar 21, 2016 12:30:59 PM | | |
| pplica | tion Roles | | | | | | |
| plication r plication r | roles are the roles roles that are creat | ed in the context | of end users acces | sing the application. | the application. These roles are seeded by applications in single global policy store when the applications are registered. These are Server Security Provider. | | |
| | Store Provider | - | | | | | |
| | | | | | | | |
| Search | | | | | | | |
| ter search | h keyword for role n | name to query rol | es defined by this a | application. Use app | plication stripe to search if application uses a stripe that is different from application name. | | |
| | Role Na | me Starts With | - | | | | |
| view 💌 | Create | 📑 Create Lik | ke 🥒 Edit | X Delete Sei | earch application roles 📰 🖉 🖉 Detac | | |
| - | | | | | | | |
| - | | | | | | | |
| Role N | | | Display Name | | Description | | |
| - | Composer | | Composer for the I | | A composer is responsible for making changes to composite artifacts, such as business rules in a business process, security p | | |
| | _Deployer | | | er for the Default P | | | |
| default | - | | Tester for the Defa | | A tester performs integrated black box testing on preproduction systems. A system tester typically runs tests using a combination of. | | |
| | _ApplicationOperat | | | or for the Default Pa. | | | |
| | _Monitor | | Monitor for the Def | | A default partition monitor is responsible for ensuring the successful operations of the deployed applications on the default partition | | |
| | wareOperator | | SOA MiddleWare C | | A middleware operator is responsible for ensuring operational continuity. A middleware operator is also the main point of contact | | |
| | wareAdministrator | | SOA Middleware A | dministrator | A middleware administrator is responsible for ensuring the continuous availability of the middleware servers, but is not always re | | |
| SOAAd | | | SOA Admin Role | | SOA application admin role, has full privilege for performing any operations including security related | | |
| SOAOp | | | SOA operator Role | • | SOA application operator, for common operational tasks like start, stop, monitor, backups | | |
| SOAMo | | | SOA Monitor Role | | SOA application monitor role, has read-only privileges for monitoring | | |
| | ditAdmin | | SOA Audit Admin F | | SOA audit administrator role, can perform audit configuratoin and administration | | |
| | | | | SOA audit viewer role, can view audit records | | | |
| | | | | BPM Workflow Administrator Application Role | | | |
| | orkflowCustomize | | BPM Workflow Cus | | BPM Workflow Customize Application Role | | |
| BPMAGAdmin BPM Activity Guide Admin Role BP | | | | | BPM Activity Guide Administrator Application Role | | |
| | ganizationAdmin | | BPM Organization | Admin role | BPM Organization Administrator Application Role | | |
| | | | SOA Designer | | SOA Designer | | |

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

| | CLE [®] Enter | rprise Manage | Fusion Midd | leware Control | 112c | 🔁 WebLogic Domain 👻 weblogic 👻 |
|----------|--|-------------------|-------------------|------------------|-----------|--|
| | SOA Infra | | | | | |
| - | soA intrastructure | * | | | | Mar 21, 2016 12:30:59 PM IST |
| | tion Roles | | | | | |
| | roles are the roles u roles that are create | | | | | e application. These roles are seeded by applications in single global policy store when the applications are registered. These are also |
| | | | | | | rver Security Provider. |
| Policy : | Store Provider | | | | | |
| | | | | | | |
| | | me to query roles | defined by this | application U | se appli | cation stripe to search if application uses a stripe that is different from application name. |
| | | | - | approximent | | |
| | Role Nam | | | | | |
| View 📼 | Create | 📑 Create Like. | 🖉 Edit | × Delete. | | Detach |
| 1 | | | Edit | the selected ap | plication | role |
| Role | lame | D | isplay Name | | | Description |
| | Composer | | omposer for the | Default Partiti | on | A composer is responsible for making changes to composite artifacts, such as business rules in a business process, security poli, |
| | Deployer | | omposite Deplo | | | A deployer is responsible for deploying new applications, upgrading existing applications, and managing the continuous integratio |
| | Tester | | ster for the Def | | | A tester performs integrated black box testing on preproduction systems. A system tester typically runs tests using a combination of. |
| | _ApplicationOperato | | oplication Opera | | ault Pa | An application operator is responsible for handling customer complaints and making decisions on requests that result in faults in L. |
| | Monitor | | onitor for the De | | | A default partition monitor is responsible for ensuring the successful operations of the deployed applications on the default partition. |
| Middle | wareOperator | S | DA MiddleWare | Operator | | A middleware operator is responsible for ensuring operational continuity. A middleware operator is also the main point of contact w. |
| Middle | wareAdministrator | S | OA Middleware | Administrator | | A middleware administrator is responsible for ensuring the continuous availability of the middleware servers, but is not always resp. |
| SOAAd | min | 50 | DA Admin Role | | | SOA application admin role, has full privilege for performing any operations including security related |
| SOAOp | erator | s | DA operator Rol | e | | SOA application operator, for common operational tasks like start, stop, monitor, backups |
| SOAMO | onitor | S | DA Monitor Role | | | SOA application monitor role, has read-only privileges for monitoring |
| SOAAu | ditAdmin | S | DA Audit Admin | Role | | SOA audit administrator role, can perform audit configuratoin and administration |
| SOAAu | dit√iewer | S | DA Audit Viewer | Role | | SOA audit viewer role, can view audit records |
| BPMW | orkflowAdmin | BI | PM Workflow Sy | stem Admin R | ole | BPM Workflow Administrator Application Role |
| BPMW | orkflowCustomize | B | PM Workflow Cu | istomize Role | | BPM Workflow Customize Application Role |
| | Admin | B | PM Activity Guide | a Admin Role | | BPM Activity Guide Administrator Application Role |
| BPMAC | | | PM Organization | Advalation and a | | BPM Organization Administrator Application Role |
| | ganizationAdmin | B | in organization | Adminitole | | |



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

| eneral | e group of users designed at the | e enterprise level and typically used to assign a privilege or permission. A role can also contain other roles as members. | OK Cano |
|----------------------------|---|--|---------|
| Application Stripe soa- | infra | | |
| Role Name SC | Add Principal | | |
| | Specify criteria to search and sel A Search | lect the application roles that you want to grant permissions to. | |
| Description S(pe re | | Type Group | |
| - | | Principal Name Starts With | |
| embers | | Display Name Starts With 💌 | |
| application role may nee | Searched Principals | | |
| Name | View v Detach | | /ре |
| Administrators | Principal | Display Name Description | roup |
| | No search conducted | | |
| | | | |
| | Advanced Option | | |
| | Check to enter principal nar | me here instead of searching from above. This option can be used for advanced scenarios related to custom authenticators. | |
| | | ОК | Cancel |
| | | | |

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

| ORACLE Er | nterprise Manager Fusion N | liddleware Control 12c | | WebLogic Domain 👻 weblogic 👻 🚥 |
|--|---|----------------------------------|---|--------------------------------|
| te f soa-infra o H SOA Infrastruct | ture 👻 | | | Mar 21, 2016 12:34:21 PM IST 🍤 |
| Edit Application R | ole : SOAAdmin | | | OK Cancel |
| | the group of users designed at th | e enterprise level and typical | y used to assign a privilege or permission. A role can also contain o | ther roles as members. |
| General | | | | |
| Application Stripe so | | | | |
| Role Name SC | Add Principal | | | |
| Display Name SC | Specify criteria to search and se Search | elect the application roles that | you want to grant permissions to. | |
| Description S(| - Search | | | |
| pe | | Type Group | - | |
| | | Principal Name Starts V | Vith VILLROLES-000 | |
| Members An application role may nee | | Display Name Starts V | Vith 💌 | |
| View - Add | Searched Principals | | Search roles | |
| Name | View v Detach | | | /pe |
| Administrators | Principal | Display Name | Description | roup |
| | ALLROLES-000 | | ALLROLES-000 | |
| | | | | |
| | Advanced Option | | | |
| | Check to enter principal na | ame here instead of searchin | g from above. This option can be used for advanced scenarios relate | ed to custom authenticators. |
| | | | | OK Cancel |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| 0.184.133.168:7401/em/faces/as | s/security/editAppRole?type=orac | le soainfra⌖=/Domain : | | |
| | | | | |

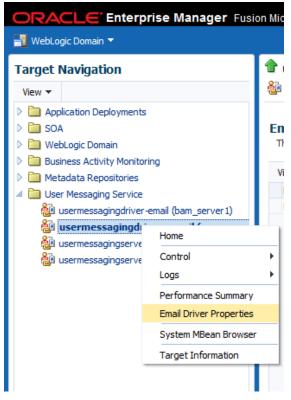


6. Click Ok .

1.2.11 Email Driver Configuration

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

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



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



| CRACLE Enterprise Manager Fus | ion Middleware Control 12c | 👥 weblogic 👻 🔘 |
|---|---|---|
| Target Navigation | 👕 usermessagingdriver-email 💿 🏭 User Messaging Email Driver ▼ | Logged in as weblogi cl 📕 ofss2221222.in.orade.com Page Refreshed Jun 11, 2015 11:09:57 AM IST 💍 |
| Application Deployments SOA WebLogic Domain Guiness Activity Monitoring | Edit Driver Properties | OK Cancel |
| Compared to the second se | Name FOUBS121 Driver Type User Messaging Emal Driver © Domain Configuration Level Custer Name Supported Delivery Types EMAIL Capability SEND, RECEIVE Supported Content Types Supported Status Types DELIVERY_TO_GATEWAY_SUCCESS, DELIVERY_TO_GATEWAY_SUCCESS, USER_REPLY_ACONVOLLEDGENENT_SALLERE, | Supported Protocols SMTP Supported Carriers U Use Sender Addresses Sender Address EMALL:xxx(@xxx.xom Cost Speed Supports Cancel Supports Status Polina |

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

| Driver-Specific Configura | tion | | | | |
|---------------------------|--|-----------|-----------------------|-------|---|
| 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 Frequence | The frequency to permanently remove deleted messages. The unit is in seconds and the default value is 600 seconds. A negative value indicates the messages should not be expunged. For the POP3 protocol, the message is expunged after it is processed. | | | 600 | |
| | Whether the driver should mark the messages deleted after they have been | | | | - |

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



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

13. Navigate to SOA Administration ->Workflow Properties

| ORACLE | Enterprise Manager Fus | ion Middleware Control 12c | 👥 weblogic 👻 🔘 |
|--|---|---|---|
| 📲 WebLogic Domain ' | • | | |
| Target Navigatio | tt Navigation | | Logged in as weblogic 🗐 ofss2221222.in.orade.com Page Refreshed Jun 11, 2015 11:15:16 AM IST 🗘 |
| ▲ SOA ▲ Soa-infra ' > ⓓ default > ⓓ default > ⓓ business Activ > ⓓ Metadata Rep ▲ ⓓ User Messagir ֎i user messa ֎i usermessa ֎i usermessa | Home Monitoring Logs SOA Deployment Manage Partitions Work Manager Groups | Information All changes made in this page require a server restart to take effect. Workflow Notification Properties Before configuring the Workflow Notification, configure the Messaging Service Driver. Go to the Messaging Driver page * Notification Mode Email | |
| ेखें usermessa | pc Doman * Navigation Image: Societing for enswellogic in a weblogic in a weblogic in a sector restart to take effect. Image: Societing for enswellogic in a sector restart to take effect. Image: Societing for enswellogic in a sector restart to take effect. Image: Societing for enswellogic in a sector restart to take effect. Image: Societing for enswellogic in a sector restart to take effect. Image: Societing for enswellogic in a sector restart to take effect. Image: Societing for enswellogic in a sector restart to take effect. Image: Societing for enswellogic in a sector restart to take effect. Image: Societing for enswellogic in a sector restart to take effect. Image: Societing for enswellogic in a sector restart to take effect. Workflow Notification Properties Societing for enspiring the Workflow Notification, configure the Messaging Service Driver. Go to the Messaging Driver page * Notification Node in a in | | |
| | Security Administration | BPEL Properties BPAN Properties Workflow Properties 328 Server Properties Token Configurations | |

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

1.2.12 TimeOut Settings for BPEL

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



| 10.184.135.218:7001/console/cor | nsole.portal?_nfpb=true&_pageLabel=HomePage1 | ⊽ (| f Google | م | ☆ 🛍 | € 1 | ∧ |
|--|--|---|----------------------------|--------------------|-----------|------------|----------|
| | er Administration Console 12c | | | | | | ç |
| hange Center | 🔒 Home Log Out Preferences 🔊 Record Help | Q | | Welcome, a | imin Conr | nected to: | AlphaDom |
| /iew changes and restarts | Home >AlphaDomain >Summary of Servers >AlphaDomain | n >Summary of Servers >Summary of Deployments >soa-infra | >BPELEngineBean | | | | |
| onfiguration editing is enabled. Future | Home Page | | | | | | |
| hanges will automatically be activated as yo odify, add or delete items in this domain. | Information and Resources | | | | | | |
| omain Structure | Helpful Tools | General Information | | | | | |
| | Configure applications | Common Administration Task Descriptions | | | | | |
| NphaDomain B-Environment | Configure GridLink for RAC Data Source | Read the documentation | | | | | |
| Servers | Configure a Dynamic Cluster | Ask a guestion on My Oracle Support | | | | | |
| Clusters | Recent Task Status | Aska question on my oracle support | | | | | |
| Coherence Clusters | Set your console preferences | | | | | | |
| Machines Virtual Hosts | Orade Enterprise Manager | | | | | | |
| Work Managers | Orade Enterprise Manager | | | | | | |
| Startup and Shutdown Classes | - Domain Configurations | | | | | | |
| Deployments | | | | | | | |
| Services Services | Domain | Services | Interope | | | | |
| Security Realms Interoperability | Domain | Messaging | WTC S | | | | |
| | T | JMS Servers | • Jolt Co | onnection Pools | | | |
| How do I | Environment | Store-and-Forward Agents | | | | | |
| 104 00 1 | Servers | JMS Modules | Diagnos | tics | | | |
| Search the configuration | Clusters | Path Services | • Log Fil | es | | | |
| Use the Change Center | Server Templates | Bridges | Diagno | ostic Modules | | | |
| Record WLST Scripts | Migratable Targets | Data Sources | • Built-in | Diagnostic Modules | | | |
| Change Console preferences | Coherence Clusters | Persistent Stores | Diagno | ostic Images | | | |
| Manage Console extensions | Machines | XML Registries | Reque | st Performance | | | |
| Monitor servers | Virtual Hosts | XML Entity Caches | Archive | es | | | |
| | Work Managers | Foreign JNDI Providers | Conte: | xt | | | |
| System Status | Startup And Shutdown Classes | Work Contexts | SNMP | | | | |
| Health of Running Servers | | • jCOM | | | | | |
| | Your Deployed Resources | Mail Sessions | Chartea | nd Graphs | | | |
| Failed (0) | | FileT3 | | ring Dashboard 🖗 | | | |
| Critical (0) | Deployments | • <u>ЛА</u> | Monito | ring pashboard e | | | |
| Overloaded (0) | | OSGi Frameworks | | | | | |
| Warning (0) | Your Application & Security Settings | | | | | | |

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



| · · · · | | | | - | | • |
|--|---|-----------|--------|---------------------------|--------------------------------------|------------------|
| to Services | Name 🗞 | State | Health | Туре | Targets | Deployment Order |
| -WTC Servers | orade.wsm.console.core.view(1.0,12.1.3.0) | Active | | Library | AdminServer | 311 |
| How do I | oracle.wsm.seedpolicies(2.0, 12. 1. 3) | Active | | Library | AdminServer, BAMServer, SOAServer | 100 |
| Install an enterprise application Configure an enterprise application | | Active | 🖋 ок | Resource Adapter | SOAServer | 328 |
| Update (redeploy) an enterprise application Start and stop a deployed enterprise application | | Installed | | Resource Adapter | | 329 |
| Monitor the modules of an enterprise application | CradeBPMBACServerApp | Active | 🖋 ок | Enterprise Application | SOAServer | 384 |
| Deploy EJB modules Install a Web application | CradeBPMComposerRolesApp | Active | 🖋 ОК | Enterprise Application | SOAServer | 382 |
| System Status | CradeBPMProcessRolesApp | Active | 🖋 ок | Enterprise Application | SOAServer | 381 |
| Health of Running Servers | CradeBPMWorkspace | Active | 🖋 ок | Enterprise Application | SOAServer | 383 |
| Failed (0) Critical (0) | 崎 orai 18n-adf(11, 11. 1. 1. 1) | Active | | Library | AdminServer, BAMServer, SOAServer | 100 |
| Overloaded (0) Warning (0) | nowasp.esapi(2.0, 12.1.3) | Active | | Library | AdminServer, BAMServer, SOAServer | 100 |
| OK (2) | ⊘ SAPAdapter | Installed | | Resource Adapter | | 335 |
| | ⊡SimpleApprovalTaskFlow | Active | 🖋 ок | Enterprise Application | SOAServer | 386 |
| | C Rosa-infra | Active | 🖋 ок | Enterprise Application | SOAServer | 350 |
| | € soa-webapps | Active | 🖋 ок | Enterprise Application | SOAServer | 360 |
| | 🜓 soa.em | Active | | Library | AdminServer | 100 |
| | SocketAdapter | Installed | | Resource Adapter | | 326 |
| | state-management-provider-memory-rar-12.1.3 | Active | 🖋 ок | Resource Adapter | AdminServer, BAMServer, SOAServer | 100 |
| | UDX(11,12.1.3.0.0) | Active | | Library | AdminServer, BAMServer, SOAServer | 100 |

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

| | B2BInstanceMessageBean | EJB | |
|---|---|-----|--|
| | B2BIntegratorBean | EJB | |
| | B2BMetadataUtilityBean | EJB | |
| | B2BStarterBeanWLS | EJB | |
| | B2BUtilityBean | EJB | |
| | BAMActionMDB | EJB | |
| | BeamActionMDB | EJB | |
| - | BottleneckDetectionBean | EJB | |
| | BPELActivityManagerBean | EJB | |
| | BPELAudit TraiBean | EJB | |
| | BPELCacheRegistryBean | EJB | |
| | BPELCacheStoreBean | EJB | |
| | BPELClusterBean | EJB | |
| | BPELDeliveryBean | EJB | |
| | BPELDispatcherBean | EJB | |
| | BPELEngineBean | EJB | |
| | BPELFind BPELEngineBean, Level 3, 22 of 106 | EJB | |
| | BPELInstanceManagerBean | EJB | |
| | BPELKeyGeneratorBean | EJB | |
| | BPELProcessManagerBean | EJB | |
| | BPELSensorValuesBean | EJB | |
| | BPELServerManagerBean | EJB | |
| | BPELTestInstanceManager | EJB | |
| | BpmAGProcessBrokerServiceBean | EJB | |
| | 5 BpmAppServiceBean | EJB | |
| | BPMDataObjectSecurityService | EJB | |
| | BPMNActivityManagerBean | EJB | |
| | BPMNAudit TrailBean | EJB | |
| | BPMNClusterBean | EJB | |



| Workflow Task Service Properti × Se | ttings for BPELEngineBean 🗙 🜔 | http://ofss222nitFilter=true × 🜔 Connecting | × New Tab × + |
|---|--------------------------------------|---|---|
| @ 10.184.135.218:7001/console/consol | e.portal?_nfpb=true&_pageLabel=EJBCo | mponentConfigurationPage&handle=com.bea.console.handles 🤝 🥰 | 😢 - Google 👂 🏠 自 🖡 🏫 🚍 |
| Virtual Hosts | Name: | BPELEngineBean | The name of this bean. More Info |
| Work Managers Startup and Shutdown Classes | Туре: | stateless | The EJB type (session, entity, or message). More Info |
| Deployments EP-Services | Transaction Type: | Container | The bean's transaction type. More Info |
| Security Realms D-Interoperability WTC Servers | EJB Class Name: | com.collaxa.cube.engine.ejb.impl.bpel.BPELEngineBean | E38 Class Name More Info |
| How do I | | | |
| Configure Version 2.X EJBs | Initial Beans in Free Pool: | 100 | The initial number of beans in the free pool. More Info |
| View deployment status of EJBs Set EJB target servers and dusters Update (redeploy) EJBs Stop EJBs | Max Beans in Free Pool: | 1000 | The maximum number of beans in the free pool. When an EB has been in the free pool for the number of seconds specified in 14E TheousL, and the total number of beans in the free pool approaches the maximum beans in free pool specified in this field, idle beans are removed from the free pool. More Info |
| System Status | Idle Timeout: | 0 | The maximum length of time (in seconds) an E38 should remain in the cache or free pool before it is passivated or removed. More Info |
| Failed (0) | - Enterprise Bean Configuration | I | |
| Critical (0) Overloaded (0) | Network Access Point: | | Custom network channel that the EJB uses for network communications. More Info |
| Warning (0) OK (2) | Run As Principal Name: | | The security principal to be used as the run-as principal for a bean that has security-identity specified in its ejb-jar.xml file. More Info |
| | Create As Principal Name: | | The principal to be used when ejbCreate would otherwise run with an anonymous principal. More Info |
| | Remove As Principal Name: | | The principal to be used when ejbRemove would otherwise run with an anonymous principal. More Info |
| | Passivate As Principal Name: | | The principal to be used when ejbPassivate would otherwise run with an anonymous principal. More Info |
| | JNDI Name: | | The JNDI name of an EJB, resource, or reference in WebLogic Server. More Info |
| | Local JNDI Name: | | The JNDI name for a bean's local Home. More Info |
| | 🚯 Dispatch Policy: | | Designates which server execute thread pool the EJB should run in. More Info |
| | Transaction Timeout: | 300 | The transaction timeout value, in seconds. More Info |
| WebLogic Server Version: 12.1.3.0.0 Copyright (c) 1996.2014, Oracle and/or its affiliates. Oracle is a registered trademark of Oracle Corporati | | denarks of their respective owners. | |
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5. Go to EJBs→BPEL DeliveryBean→ Configuration→set Transaction TimeOut to 300

| B2BUtilityBean | EJB | |
|---|-----|--|
| BAMActionMDB | EJB | |
| BeamActionMDB | EJB | |
| BottleneckDetectionBean | EJB | |
| BPELActivityManagerBean | EJB | |
| BPELAuditTraiBean | EJB | |
| BPELCacheRegistryBean | EJB | |
| BPELCacheStoreBean | EJB | |
| BPELClusterBean | EJB | |
| BPELDeliveryBean | ЕЈВ | |
| BPELDispatch BPELDeliveryBean, Level 3, 20 of 106 | EJB | |
| BPELEngineBean | EJB | |
| BPELFinderBean | EJB | |
| BPELInstanceManagerBean | EJB | |
| BPELKeyGeneratorBean | ЕЈВ | |
| BPELProcessManagerBean | EJB | |
| BPELSensorValuesBean | EJB | |
| BPELServerManagerBean | EJB | |
| BPELTestInstanceManager | EJB | |
| BpmAGProcessBrokerServiceBean | ЕЈВ | |
| BpmAppServiceBean | ЕЈВ | |
| BPMDataObjectSecurityService | EJB | |
| BPMNActivityManagerBean | EJB | |
| BPMNAudit TrailBean | EJB | |
| BPMNClusterBean | EJB | |
| BPMNDeliveryBean | EJB | |
| BPMNDispatcherBean | EJB | |
| BPMNEngineBean | EJB | |
| BPMNFinderBean | EJB | |



| | Type: | stateless | The EJB type (session, entity, or message). More Info |
|--|---------------------------------|--|---|
| | Transaction Type: | Container | The bean's transaction type. More Info |
| | EJB Class Name: | com.collaxa.cube.engine.ejb.impl.bpel.BPELDeliveryBean | EJB Class Name More Info |
| | - Pool Configuration | | |
| łow do I E | Initial Beans in Free Pool: | 200 | The initial number of beans in the free pool. More Info |
| Configure Version 2.X EJBs View deployment status of EJBs Set EJB target servers and clusters Update (redeploy) EJBs | Max Beans in Free Pool: | 1000 | The maximum number of beans in the free pool. When an EJB has been in the free pool for the number of seconds specified in Idle Timeout; and the total number of beans in the free pool approaches the maximum beans in free pool specified in this field, idle beans are removed from the free pool. More Info |
| • Stop EJBs System Status | Idle Timeout: | 0 | The maximum length of time (in seconds) an EJB should remain in the cache or free pool before it is passivated or removed. More Info |
| Health of Running Servers | — Enterprise Bean Configu | ration | |
| Failed (0) Critical (0) | Network Access Point: | | Custom network channel that the EJB uses for network communications. More Info |
| Overloaded (0) Warning (0) OK (4) | Run As Principal Name: | | The security principal to be used as the run-as principal for a bean that has security-identity specified in its ejb-jar.xml file. More Info |
| | Create As Principal Name: | | The principal to be used when ejbCreate would otherwise run with an anonymous principal. More Info |
| | Remove As Principal Name: | | The principal to be used when ejbRemove would otherwise run with an anonymous principal. More Info |
| | Passivate As Principal Name: | | The principal to be used when ejbPassivate would otherwise run with an anonymous principal. More Info |
| | JNDI Name: | | The JNDI name of an EJB, resource, or reference in WebLogic Server. More Info |
| | Local JNDI Name: | | The JNDI name for a bean's local Home. More Info |
| | 🔊 Dispatch Policy: | | Designates which server execute thread pool the EJB should run in. More Info |
| | Transaction Timeout: | 1800 | The transaction timeout value, in seconds. More Info |
| | Save | | |
| | | | |

- 6. Login in to Console \rightarrow JTA
- 7. Set the JTA timeout according to the below condition. Make sure BPELEngineBean + BPELDeliveryBean is <= JTA timeout(e.g. 300+300<=600)



| · · · · · | | | |
|---|--|---------------------------------------|---|
| | ministration Console 12c | | Q |
| Change Center | 🏠 Home Log Out Preferences 🔤 Record Help | Q | Welcome, weblogic Connected to: dev_domain |
| View changes and restarts | Home >Summary of Deployments >dev_domain | | |
| Configuration editing is enabled. Future | Settings for dev_domain | | |
| changes will automatically be activated as you modify, add or delete items in this domain. | Configuration Monitoring Control Security Web | Service Security Notes | |
| Domain Structure | General JTA JPA EJBS Web Applications Loggi | ng Log Filters | |
| dev_domain | | | |
| Environment Deployments | Save | | |
| Services | Use this page to define the Java Transaction API (JTA) cor | nfiguration of this WebLogic Server d | omain. |
| Security Realms Interoperability | | | |
| Φ ⁺ Interoperability ⊕ - Diagnostics | Timeout Seconds: | 3600 | Specifies the maximum amount of time, in seconds, an active transaction is allowed to be in the first phase of a two-phase commit transaction. If the specified amount of time expires, the transaction is automatically rolled back. More Info |
| | Abandon Timeout Seconds: | 86400 | Specifies the maximum amount of time, in seconds, a transaction manager persists in attempting to complete the second phase of a two-phase commit transaction. More Info |
| How do I • Configure domain JTA options | Before Completion Iteration Limit: | 10 | The maximum number of cycles that the transaction manager performs the beforeCompletion synchronization callback for this WebLogic Server domain. More Info |
| Configure advanced domain JTA options | Max Transactions: | 10000 | The maximum number of simultaneous in-progress transactions allowed on a server in this WebLogic Server domain. More Info |
| System Status Health of Running Servers | Max Unique Name Statistics: | 1000 | The maximum number of unique transaction names for which statistics are maintained. More Info |
| Failed (0) Critical (0) Overloaded (0) | Checkpoint Interval Seconds: | 300 | The interval at which the transaction manager creates a new transaction log file and checks all old transaction log files to see if they are ready to be deleted. More Info |
| Warning (0) OK (4) | Write recovery logs when determiners configured | | Indicates two-phase transaction recovery logs are written even if one or more determiners are configured. More Info |
| | Determiners: | H. | Specifies a list of one or more transaction resources (determiners) separated by line breaks. A determiner's in-doubt transaction records are used during transaction recovery when a TLog is not present. More Info |
| | V Forget Heuristics | | Specifies whether the transaction manager automatically performs an XA Resource forget operation for heuristic transaction completions . More Info |

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



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| w 🕶 | SOA Infrastructure ▼ | Page Refreshed Jun 17, 2 | 2015 11:36:01 AM IST |
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| BPELLir Bindings Bindings Bindings Services and References | SOA Runtime Health | Adapters Availability | |
| Image: Solution of the second secon | Source of the source | itaut IIn Europe | Composite Sensor Na |
| et Credit: attack of the second of the sec | Initialized Successfully Vo EIS Connect | ivity Errors | |
| Image: Weight of the second | ✓ All Composites | | |
| Base Server Properties Base Server Properties Cross References CourtentAccountCreationWithCreditFacility Base Server Properties Cross References CourtentAccountCreationWithCreditFacility Token Configurations | All adapter ser System Backlogs | vice endpoints are UP | |
| BUtility [2.0] Auto Purge SolutiereCLBSORRetail.oanContract [1.0] BEOFXProcess [1.0] | Last* 24 CHours 💌 🤮 | | |
| Image: Second | Refresh region to show the latest data. | | |
| 배월 InitiateFCUBSORRetail.oanPayment [1.0] 배월 InitiateKYCChedrFCUBSORService [1.0] 배월 InitiateRetail.oanContractFCUBSORService [1.0] | Messages in Queues: BPEL Invoke | | |
| କଞ୍ଚି InitiateRetailLoanPaymentFCUBSORService [1.0] କଞ୍ଚି InitiateRiskEvaluationFCUBSORService [1.0] କଞ୍ଚି KYCCheck [2.0] | BPEL Callback Mediator Parallel Routing | | |
| କଞ୍ଚି KYCCorporateReview (2.0) କଞ୍ଚି KYCReview (2.0) କଞ୍ଚି LimitReview (1.0) | | | |
| 0 OpenCurrentAccount [2:0] 0 OpenRetailTermDeposit [1:0] | ۲ | | |



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| 🖢 Changes 🔻 🔝 Recording 👻 | 룶 | SOA Infrast | tructure 🔻 | Page Refres | hed Jun : | 17, 2015 11:37:36 AM | 1 IST |
| rget Navigation | s | system ME | Bean Browser | | | | |
| 20 - | 1 | Applicatio | on Defined MBeans: BF | PELConfig:bpel | | Apply | Re |
| Application Deployments | | (i) Infor | mation | | | | |
| SOA | | The d | nanges made on this mbean are | not managed by the configuration session. The changes will be applied im | mediately. | . You cannot undo the d | hang |
| 4 器 soa-infra (SOAServer) | | | he Change Center. | | | | |
| (iii) default (iii) default (iii) default (iii) default (iii) default (iii) default (iii) default | | Show | MBean Information | | | | |
| 배급 AmendFCUBSORNFRetailLoanContract [1.0] 에냅 AmendFCUBSORRetailLoanContract [1.0] | | Attributes | Operations Notifications | | | | |
| Ma AmendRetailLoanContractFCUBSORService [1.0] | | Name | | Description | Access | Value | |
| BIPUtility [1.0] | | an corgo | o o comerción in conoro | a separate location from the rest of the instance scope data | | 200000 | |
| BPELCOLLATProcess [1.0] | | | | specify the number of invoke messages that can be kept in the | | | |
| BPELCRPClosureProcess [1.0] | | 22 Mauria | | in-memory cache, once the engine hits this limit, it would push the message to dispatcher in-memory cache, instead it would save the | RW | 100000 | |
| BPELCRPProcess [1.0] | | ZZ MdXIII | luminumberOffmokemessagesti | message to dispatcher in-memory cache, instead it would save the message in the db and these saved messages can be recovered using | RW | 100000 | |
| w b bpelcynprocess [1.0] | | | | recovery job, you can use value -1 to disable | | | |
| BPELLimitReview [1.0] | | 22 May 0 | ecoverAttempt | This value specifies the maximum number of times an invoke or callback | RW | 2 | |
| CIBLProcess [1.0] | | 25 Maxic | ecoverAttempt | or activity will be recovered | KVV | 2 | |
| CloseFCUBSORRetailLoanContract [1.0] | - | 24 MinBP | ELWait | The minimum time duration for BPEL to do a real wait that involves a dehydration | RW | 2 | |
| CloseRetailLoanContractFCUBSORService [1.0] | | 25 objec | Namo | The MBean's unique JMX name | R | oracle.as.soainfra.con | 6 |
| COLLATProcess [1.0] | | | /ayDeliveryPolicy | Changes whether the one-way invocation messages are delivered | RW | async.persist | my. |
| CRDCProcess [1.0] | | 20 Onev | aybeliver yPolicy | | Rvv | asyncipersist | |
| CreditBureauBPEL [1.0] | | 27 Qualit | yOfService | flag to enable or disable coherence cache for bpel service engine. use CacheEnabled for enabling coherence. | RW | DirectWrite | |
| CreditBureauHandler [1.0] | | | | flag to enable or disable coherence cache for bpel service engine when | | Con | |
| CRPClosureProcess [1.0] | | 28 Qualit | vOfServiceAuditStorePolicyUse | auditStorePolicy is set to async | RW | false | |
| CRPProcess [1.0] | | 29 Qualit | vOfServiceOneWayDeliveryPoli | flag to enable or disable coherence cache for bpel service engine when | RW | false | |
| CRPProcess [2.0] | | - | | oneWayDeliveryPolicy is set to async | | | |
| CurrentAccountCreationWithCreditFadiity [1.0] | | 30 Read | | If true, it indicates that this MBean is a read only MBean. | R | false | |
| B DBUtility [1.0] | | | veryConfig | Recovery Configuration | RW | javax.management.op | enr |
| BUtility [2.0] | | | ringMaxMessageRaiseSize | Number of messages to recover during recurring recovery | RW | 50 | |
| DisburseFCUBSORRetailLoanContract [1.0] | | 33 Resta | | Indicates whether a restart is needed. | R | false | |
| EQFXProcess [1.0] | | | Compliance | Sets how the implementation is compliant to the spec | RW | suggest | |
| EXPNProcess [1.0] | | 35 Start | upMaxMessageRaiseSize | Number of messages to recover during startup recovery | RW | 50 | |
| ExternalValuation [2.0] | | 36 Stats | astN | The size of the "most recently processed" request list | RW | -1 | |
| 📲 InitiateFCUBSORRetailLoanPayment [1.0] | | 37 Synch | faxWaitTime | The maximum time a request/response operation will take before it | RW | 45 | |
| Ha InitiateKYCCheckFCUBSORService [1.0] | | <u> </u> | | times out. The default value is 45 seconds. | | | |
| InitiateRetailLoanContractFCUBSORService [1.0] | | 38 Syste | mMBean | If true, it indicates that this MBean is a System MBean. | R | false | |
| 4 InitiateRetailLoanPaymentFCUBSORService [1.0] | | 39 Valida | teXML | If set to "true" the engine will apply schema validation for incoming and outgoing xml documents. The default value "false". | RW | false | |
| ■ InitiateRiskEvaluationFCUBSORService [1.0] | | 40 Versio | n | version of the config file | R | 11.1.0 | |
| KYCCheck [2.0] | | 41 Visible | | If true, it indicates that this MBean is visible to current user. | R | true | |
| H KYCCorporateReview [2.0] | | • | | | | | |



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.guartz-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.





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