

FLEXCUBE UBS Oracle GL Adapter EJB Deployment
Installation Oracle FLEXCUBE Universal Banking

Release 12.2.0.0.0

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 1.1 CONFIGURING ADOGL EJB WITH IBM WEBSHERE MQ 19

Installation Steps

1.1 Prerequisite

- ✓ Ensure that the basic KERNEL Environment Setup is done.

[Please refer [ADOGL_Installation.doc](#).]

1.2 Steps

Follow the steps given below only if the Oracle10g Application Server is to be configured with *Oracle10gAS JMS*.

Refer [OC4J_ADOGL_OracleASJMS_Queue_Installation.doc](#) to create the OC4J JMS Destinations and Connection Factories.

A. Modify ejb-jar.xml

Edit <KERNEL_INSTALL_DIR>\ADOGL_EJB\config\ejb-jar.xml.

The Queue and the Queue Connection Factory need to be specified in the ejb-jar.xml as mentioned below in the <session> tag:

- MDBQCF is the name of the XA Queue Connection Factory.
- MDB_QUEUE is the name of the Queue

```
<resource-ref>
    <description>Queue connection factory for MDB Gateway</description>
    <res-ref-name>MDBQCF</res-ref-name>
    <res-type>javax.jms.XAQueueConnectionFactory</res-type>
    <res-auth>Container</res-auth>
```

```
</resource-ref>

<resource-env-ref>

    <description>Queue to put the message</description>

    <resource-env-ref-name>MDB_QUEUE</resource-env-ref-name>

    <resource-env-ref-type>javax.jms.Queue</resource-env-ref-type>

</resource-env-ref>
```

B. Configure FLEXCUBE UBS ADOGL EJB Properties

Edit `<KERNEL_INSTALL_DIR>\ADOGL_EJB\config\ADOGL_EJB_Prop.properties` file to give appropriate values for the properties as described below,

1. DTD_PATH: This property specifies the path where the GLHANDOFF.DTD is stored.

E.g. `<KERNEL_INSTALL_DIR>/ADOGL_EJB/DTD/`

[NOTE: Give DTD file path with forward slash (/) as file separator and remember to give a slash at the end.]

2. OGL_ADAPTER_DTD: This property specifies the name of the DTD against which the incoming messages are validated.

E.g.:GLHANDOFF.DTD .

3. XSL_PATH: This property specifies the path where the XSL is stored.It should be `<KERNEL_INSTALL_DIR>/ADOGL_EJB/XSL/`

[NOTE: Give XSD file path with forward slash (/) as file separator and remember to give a slash at the end.]

4. OGL_ADAPTER_XSL: This property specifies the name of the XSL against which the incoming messages are validated.

E.g.:OGL_ADAPTER_XSL.

5. ADOGL_EJB_JMS_QCF: This property is the Adapter Queue Connection Factory name.

E.g.: MDBQCF

6. ADOGL_EJB_JMS_QUEUE_NAME: This property is the Adapter Queue name.

E.g.: MDB_QUEUE

7. LOGGER_PATH: This property specifies the path of the logger property file located at
<KERNEL_INSTALL_DIR>\ADOGL_EJB\config

E.g.: D:/Kernel7.2/ADOGL_EJB/config/adogl_ejb_logger.cfg

[NOTE: Give the logger path with forward slash (/).]

The ADOGL_EJB_Prop.properties will look as given below.

DTD_PATH=D:/Kernel7.2/ADOGL_EJB/DTD/

OGL_ADAPTER_DTD=GLHANDOFF.DTD

XSL_PATH=D:/Kernel7.2/ADOGL_EJB/XSL/

OGL_ADAPTER_XSL=OGL_ADAPTER_XSL.xsl

ADOGL_EJB_JMS_QCF=MDBQCF

ADOGL_EJB_JMS_QUEUE_NAME=MDB_QUEUE

ADOGL_EJB_JMS_Q_ACKNOWLEDGE=AUTO_ACKNOWLEDGE

ADOGL_EJB_JMS_Q_TRANSACTION=false

ADOGL_EJB_JMS_Q_DELIVERY_OPT=2

```
ADOGL_EJB_JMS_Q_TIME_TO_LIVE=500000
```

```
LOGGER_PATH=D:/Kernel7.2/ADOGL_EJB/config/adogl_ejb_logger.cfg
```

C. Configure logger parameters

Edit <KERNEL_INSTALL_DIR>\ADOGL_EJB\config\adogl_ejb_logger.cfg file to change the value of the property “AD.LOGGER.FPATH” to <KERNEL_INSTALL_DIR>/ADOGL_EJB/log/.

E.g. If the value of your <KERNEL_INSTALL_DIR> is D:\Kernel7.2, then the entry for this property will be,

```
AD.LOGGER.FPATH= D:/Kernel7.2/ADOGL_EJB/log/
```

[NOTE: Give AD.LOGGER.FPATH with forward slash (/) as file separator and remember to give a slash (/) at the end.]

D. Run the build file

✓ For Windows

- Go to the folder <KERNEL_INSTALL_DIR>\setup in the command prompt, type “**set_env**” and press enter.
- Change directory to <KERNEL_INSTALL_DIR>\ADOGL_EJB\setup\OC4J in the command prompt, type “**ant**” and press enter.

✓ For UNIX

- Go to the folder <KERNEL_INSTALL_DIR>/setup in the shell prompt, type “**set_env.sh**” and press enter.
- Change directory to <KERNEL_INSTALL_DIR>/ADOGL_EJB/setup/OC4J in the shell prompt, type “**ant**” and press enter.

[NOTE: Please make sure that you get a message BUILD SUCCESSFUL after compilation.]

E. Deploy the EJB in Oracle 10g Application Server

1. Stop the application server.

If the application server is already running, then stop the application server as follows:

✓ For WINDOWS

- Set JAVA_HOME and ORACLE_HOME with the paths in your machine

e.g.

```
set ORACLE_HOME=D:\Oracle10gAS
```

```
set JAVA_HOME=%ORACLE_HOME%\jdk
```

- Go to the <APP_SERVER_HOME>/bin directory in the command prompt

e.g. cd %APP_SERVER_HOME%\bin

- Type **oc4j -shutdown -port 23791 -password <admin_password>**

e.g. oc4j -shutdown -port 23791 -password oc4jadmin

This will stop the server.

✓ For UNIX

- Set JAVA_HOME and ORACLE_HOME with the paths in your machine

e.g.

```
export ORACLE_HOME=/home/Oracle10gAS
```

```
export JAVA_HOME=${ORACLE_HOME}/jdk
```

- Go to the <APP_SERVER_HOME>/bin directory in the command prompt

e.g. `cd ${APP_SERVER_HOME}/bin`

- Type **oc4j –shutdown –port 23791 –password <admin_password>**

e.g. `oc4j –shutdown –port 23791 –password oc4jadmin`

This will stop the server.

2. Start the application server.

- ✓ For WINDOWS

- Set JAVA_HOME and ORACLE_HOME with the paths in your machine.

e.g.

```
set ORACLE_HOME=D:\Oracle10gAS
```

```
set JAVA_HOME=%ORACLE_HOME%\jdk
```

- Go to the <APP_SERVER_HOME>/bin directory in the command prompt

E.g. `cd %APP_SERVER_HOME%\bin`

- Type **oc4j –start**

This will start the server. Ensure that you get no error during start up.

- ✓ For UNIX

- Set JAVA_HOME and ORACLE_HOME with the paths in your machine.

e.g.

```
export ORACLE_HOME=/home/Oracle10gAS
```

```
export JAVA_HOME=${ORACLE_HOME}/jdk
```


- Go to the <APP_SERVER_HOME>/bin directory in the command prompt

E.g. cd \${APP_SERVER_HOME}/bin

- Type **oc4j -start**

This will start the server. Ensure that you get no error during start up.

3. Open the Administrative Console of Oracle Enterprise Manager

- ✓ Open an internet browser and type the OC4J Admin Console URL Address of the server.

e.g. <http://10.80.4.116:8888/em>

where, 10.80.4.116 is the machine IP Address on which OC4J is running.

- ✓ Login to Administrative Console

Enter OC4J administrator username/password and press **Login**.

ORACLE Enterprise Manager 10g
Application Server Control

Login

* User Name	<input type="text" value="oc4jadmin"/>
* Password	<input type="password" value="*****"/>
	<input type="button" value="Login"/>

4. Create OracleASJMS Queues and Queue Connection Factories in Oracle 10g Application Server (specific to ADOGL_EJB)

[Refer: [OC4J_ADOGL_OracleASJMS_Queue_Installation.doc](#)]

5. Deploy ADOGL_EJB_FACADE_Bean.ear

- ✓ Click on Applications -> Deploy.

ORACLE Enterprise Manager 10g
Application Server Control

Setup Logs Help Logout

OC4J: home

Page Refreshed May 24, 2006 7:33:20 PM GMT+05:30

Home Applications Web Services Performance Administration

This page shows the J2EE applications and application components (EJB Modules, WAR Modules, Resource Adapter Modules) deployed to this OC4J instance.

View Applications

Start Stop Undeploy Redeploy Deploy

Expand All Collapse All

Select Name	Status	Start Time	Active Requests	Request Processing Time (seconds)	Active EJB Methods	Application Defined MBeans
default	↑	May 24, 2006 7:29:37 PM GMT+05:30	0	0.00	0	2
GW_MDB_Bean	↑	May 24, 2006 7:32:30 PM GMT+05:30	0	0.00	Unavailable	0
ascontrol	↑	May 24, 2006 7:29:37 PM GMT+05:30	1	0.15	0	1

Home Applications Web Services Performance Administration

Setup Logs Help Logout

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6. The following screen is displayed.

- ✓ Click **Browse**
- ✓ Specify the local path of the enterprise archive file:

<KERNEL_INSTALL_DIR>/ADOGL_EJB/build/ADOGL_EJB_FACADE_Bean.ear

- ✓ Click Next.



Deploy: Select Archive

Cancel Step 1 of 3 Next

Archive

The following types of archives can be deployed: J2EE application (EAR files), Web Modules (WAR files), EJB Modules (EJB JAR files) and Resource Adapter Modules (RAR files).

- Archive is present on local host. Upload archive to the server where Application Server Control is running.
Archive Location
- Archive already present on server where Application Server Control is running.
Location on Server
The location on server must be the absolute path or the relative path from j2ee/home

Deployment Plan

The deployment plan is a file which allows you to customize deployment settings for an application. If you do not have a deployment plan, one will be automatically created during this process. In the Deployment Settings step you can optionally edit the deployment plan, and you can optionally save it for reuse with a future deployment of this application.

- Automatically create a new deployment plan.
The deployment plan settings will be based on OC4J defaults and information contained in the archive
- Deployment plan is present on local host. Upload Deployment Plan to the server where Application Server Control is running.
Plan Location
- Deployment plan already present on server where Application Server Control is running.
Location on Server
The location on server must be the absolute path or the relative path from j2ee/home

Cancel Step 1 of 3 Next

7. **The following screen is displayed.**

✓ **Click Next.**



Deploy: Application Attributes

Cancel Back Step 2 of 3 Next

Archive Type **J2EE Application (EAR file)**
Archive Location **D:\Kernel7.2Lot1**
\ADOGLEJB\build\ADOGLEJB_FACADE_Bean.ear
Deployment Plan **Creating a new plan**

* Application Name
Parent Application
Bind Web Module to Site

Cancel Back Step 2 of 3 Next

8. **The following screen is displayed.**

- ✓ Click” Map Environment References”

[Setup](#) [Logs](#) [Help](#) [Logout](#)







Select Archive Application Attributes **Deployment Settings**

Deploy: Deployment Settings Cancel Back Step 3 of 3 Deploy

Archive Type **J2EE Application (EAR file)** Application Name **ADOGI_EJB_FACADE_Bean**
Archive Location **D:\Kernel7.2\ot1** Parent Application **default**
Deployment Plan **ADOGI_EJB\build\ADOGI_EJB_FACADE_Bean.ear** Bind Web Module to Site **default-web-site**
Deployment Plan **Creating a new plan**

Deployment Tasks

The table below lists common tasks that you might want to do before deploying your application.

Task Name	Go To Task	Description
Map Environment References		Map any environment references in your application (e.g. data sources) to physical entities currently present on the operational environment.
Select Security Provider		A security provider acts as the source for available users and groups when mapping security roles.
Map Security Roles		Map any security roles exposed by your application to existing users/groups. Users and groups will be obtained from your choice of security provider.
Configure EJBs		Configure the Enterprise JavaBeans in your application.
Configure Clustering	 Go To Task	Configure clustering of your application.
Configure Class Loading		Manipulate the classpath of your application.

Advanced Deployment Plan Editing

You can optionally use the Edit Deployment Plan button to set more advanced deployment options which the deployment tasks above do not cover. [Edit Deployment Plan](#)

Save Deployment Plan

You can optionally save the deployment plan to your local disk. You can redeploy this application later using your saved deployment plan, and not have to edit the [Save Deployment Plan](#)

9. **The following screen is displayed.**

- ✓ Map to JNDI Location for XAQueueConnectionFactory – Enter **MDBQCF**
- ✓ Map to JNDI Location for Queue – Enter **MDB_QUEUE**
- ✓ Click **OK**

Deployment Settings: Map Environment References

Cancel OK

Archive Type **J2EE Application (EAR file)** Application Name **ADOGL_EJB_FACADE_Bean**
 Archive Location **D:\Kernel7.2\Lot1** Parent Application **default**
 Deployment Plan **Creating a new plan** Bind Web Module to Site **default-web-site**

Map Resource References

The table below lists all resource manager connection factory references found in your application. Resource references need to be associated with the JNDI names of physical entities on the system where the selected instance/cluster is running.

Resource Reference	Description	Type	Referenced By		Map to JNDI Location
			Module	Enterprise Bean	
MDBQCF	Queue connection factory for MDB Gateway	javax.jms.XAQueueConnectionFactory	ADOGL_EJB_FACADE_Bean.jar	ADOGL_EJB_FACADE_BEAN	MDBQCF

Map Resource Environment References

The table below lists all resource environment references found in your application. A resource environment reference needs to be bound to an administered object in the target operational environment.

Resource Environment Reference	Description	Type	Referenced By		Map to JNDI Location
			Module	Enterprise Bean	
MDB_QUEUE	Queue to put the message	javax.jms.Queue	ADOGL_EJB_FACADE_Bean.jar	ADOGL_EJB_FACADE_BEAN	MDB_QUEUE

10. **The following screen is displayed.**

✓ **Go to “Configure EJBs” Task.**



Information

Deployment plan has been updated successfully.

Deploy: Deployment Settings

Cancel Back Step 3 of 3 Deploy

Archive Type **J2EE Application (EAR file)** Application Name **ADOGL_EJB_FACADE_Bean**
 Archive Location **D:\Kernel\7.2\ot1** Parent Application **default**
 \ADOGL_EJB\build\ADOGL_EJB_FACADE_Bean.ear Bind Web Module to Site **default-web-site**
 Deployment Plan **Creating a new plan**

Deployment Tasks

The table below lists common tasks that you might want to do before deploying your application.

Task Name	Go To Task	Description
Map Environment References		Map any environment references in your application (e.g. data sources) to physical entities currently present on the operational environment.
Select Security Provider		A security provider acts as the source for available users and groups when mapping security roles.
Map Security Roles		Map any security roles exposed by your application to existing users/groups. Users and groups will be obtained from your choice of security provider.
Configure EJBs		Configure the Enterprise JavaBeans in your application.
Configure Clustering	Go To Task	Configure clustering of your application.
Configure Class Loading		Manipulate the classpath of your application.

Advanced Deployment Plan Editing

You can optionally use the Edit Deployment Plan button to set more advanced deployment options which the deployment tasks above do not cover

Edit Deployment Plan

11. The following screen is displayed

✓ **JNDI Name to Bind EJB – Enter ADOGL_EJB_FACADE_Bean**

✓ **Click OK**

Deployment Settings: Configure Enterprise Beans

Archive Type **J2EE Application (EAR file)** Application Name **ADOGL_EJB_FACADE_Bean**
 Archive Location **D:\Kernel7.2Lot1** Parent Application **default**
 Deployment Plan **Creating a new plan** Bind Web Module to Site **default-web-site**

Configure Entity Beans

Entity Bean	EJB Module	Persistence Type	Pool Size		Max Transaction Retries	Pool Cache Timeout (sec)	JNDI Name to Bind this EJB
			Min Instances	Max Instances			
No entity beans found							

Configure Session Beans

Session Bean	EJB Module	Pool Size			Timeouts		JNDI Name to Bind this EJB
		Min Instances (default: 0)	Max Instances (default: 100)	Max Transaction Retries (default: 3)	Call Timeout (ms) (default: 90,000)	Pool Cache Timeout (sec) (default: 60)	
ADOGL_EJB_FACADE_Bean	ADOGL_EJB_FACADE_Bean.jar						ADOGL_EJB_FACADE_Bean

Configure Message Driven Beans

Message Driven Bean	EJB Module	JMS Retries and Timeouts			Number of Listener Threads
		Dequeue Retry Count	Dequeue Retry Interval (sec)	Transaction Timeout (sec)	
No message driven beans found					

12. **The following screen is displayed**

✓ **Go to “Configure Class Loading” Task.**

Information
Deployment plan has been updated successfully.

Deploy: Deployment Settings Cancel Back Step 3 of 3 Deploy

Archive Type **J2EE Application (EAR file)** Application Name **ADOGL_EJB_FACADE_Bean**
 Archive Location **D:\Kernel7.2Lot1** Parent Application **default**
 Deployment Plan **Creating a new plan** Bind Web Module to Site **default-web-site**

Deployment Tasks
The table below lists common tasks that you might want to do before deploying your application.

Task Name	Go To Task	Description
Map Environment References		Map any environment references in your application (e.g. data sources) to physical entities currently present on the operational environment.
Select Security Provider		A security provider acts as the source for available users and groups when mapping security roles.
Map Security Roles		Map any security roles exposed by your application to existing users/groups. Users and groups will be obtained from your choice of security provider.
Configure EJBs		Configure the Enterprise JavaBeans in your application.
Configure Clustering		Configure clustering of your application.
Configure Class Loading		Manipulate the classpath of your application.

Advanced Deployment Plan Editing Go To Task
 You can optionally use the Edit Deployment Plan button to set more advanced deployment options which the deployment tasks above do not cover. Edit Deployment Plan

Save Deployment Plan
 You can optionally save the deployment plan to your local disk. You can redeploy this application later using your saved deployment plan, and not have to edit the deployment plan again. Save Deployment Plan

13. **The following screen is displayed.**

- ✓ **Uncheck oracle.xml**
- ✓ **Click OK**

Import Shared Libraries

The following table lists the shared libraries installed in this OC4J instance. Select Import to declare your application's dependency on a shared library. Optionally specify a minimum or maximum version to import.

Inherit parent application's shared library imports

TIP When checked, future changes to the parent application's shared library imports will be effective to this application.

Shared Library	Available Versions	Minimum Version To Use	Maximum Version To Use	Imported By Parent Application	Import
oracle.sqlj	10.1.3	<input type="text"/>	<input type="text"/>	✓	<input checked="" type="checkbox"/>
oracle.ws.client	10.1.3	<input type="text"/>	<input type="text"/>	✓	<input checked="" type="checkbox"/>
oracle.xml	10.1.0_2	<input type="text"/>	<input type="text"/>	✓	<input type="checkbox"/>
soap	10.1.3	<input type="text"/>	<input type="text"/>	✓	<input type="checkbox"/>

Configure Application Libraries

Add additional archives or directories to this application's classpath. Specify a path relative to the root of the EAR, or an absolute path on the target server.

Path	Delete
No application libraries have been configured.	

Configure Web Module Class Loaders

Use the table below to specify additional code sources for each Web module in your application. These can be either library files or locations for individual class files separated by semi-colons.

Web Module	Search Local Classes First	Include War Manifest Class Path	Classpath
No web modules were found in your application.			

14. **The following screen is displayed.**

- ✓ **Click Deploy**



Information
Deployment plan has been updated successfully.

Deploy: Deployment Settings

Cancel Back Step 3 of 3 **Deploy**

Archive Type **J2EE Application (EAR file)** Application Name **ADOGL_EJB_FACADE_Bean**
 Archive Location **D:\Kernel7.2Lot1** Parent Application **default**
 Deployment Plan **\ADOGL_EJB\build\ADOGL_EJB_FACADE_Bean.ear** Bind Web Module to Site **default-web-site**
 Deployment Plan **Creating a new plan**

Deployment Tasks

The table below lists common tasks that you might want to do before deploying your application.

Task Name	Go To Task	Description
Map Environment References		Map any environment references in your application (e.g. data sources) to physical entities currently present on the operational environment.
Select Security Provider		A security provider acts as the source for available users and groups when mapping security roles.
Map Security Roles		Map any security roles exposed by your application to existing users/groups. Users and groups will be obtained from your choice of security provider.
Configure EJBs		Configure the Enterprise JavaBeans in your application.
Configure Clustering		Configure clustering of your application.
Configure Class Loading		Manipulate the classpath of your application.

Advanced Deployment Plan Editing

You can optionally use the Edit Deployment Plan button to set more advanced deployment options which the deployment tasks above do not cover.

Edit Deployment Plan

15. The following screen is displayed.

[Please ensure the ADOGL_EJB_FACADE_Bean has been successfully deployed.]

✓ Click Return

 **Confirmation**

[Return](#)

The Application "ADOGL_EJB_FACADE_Bean" has been successfully deployed.

Progress Messages

```
[May 24, 2006 7:40:30 PM] Application Deployer for ADOGL_EJB_FACADE_Bean STARTS.
[May 24, 2006 7:40:30 PM] Copy the archive to D:\Oracle10gAS\2ee\home\applications\ADOGL_EJB_FACADE_Bean.ear
[May 24, 2006 7:40:30 PM] Initialize D:\Oracle10gAS\2ee\home\applications\ADOGL_EJB_FACADE_Bean.ear begins...
[May 24, 2006 7:40:30 PM] Unpacking ADOGL_EJB_FACADE_Bean.ear
[May 24, 2006 7:40:30 PM] Done unpacking ADOGL_EJB_FACADE_Bean.ear
[May 24, 2006 7:40:30 PM] Initialize D:\Oracle10gAS\2ee\home\applications\ADOGL_EJB_FACADE_Bean.ear ends...
[May 24, 2006 7:40:30 PM] Starting application : ADOGL_EJB_FACADE_Bean
[May 24, 2006 7:40:30 PM] Initializing ClassLoader(s)
[May 24, 2006 7:40:30 PM] Initializing EJB container
[May 24, 2006 7:40:30 PM] Loading connector(s)
[May 24, 2006 7:40:30 PM] Starting up resource adapters
[May 24, 2006 7:40:30 PM] Processing EJB module: ADOGL_EJB_FACADE_Bean.jar
[May 24, 2006 7:40:31 PM] Compiling EJB generated code
[May 24, 2006 7:40:35 PM] Initializing EJB sessions
[May 24, 2006 7:40:35 PM] Committing ClassLoader(s)
[May 24, 2006 7:40:35 PM] Started application : ADOGL_EJB_FACADE_Bean
[May 24, 2006 7:40:35 PM] Binding web application(s) to site default-web-site begins...
[May 24, 2006 7:40:35 PM] Binding web application(s) to site default-web-site ends...
[May 24, 2006 7:40:35 PM] Application Deployer for ADOGL_EJB_FACADE_Bean COMPLETES. Operation time: 5032 msec
```

[Return](#)

Appendix

1.1 Configuring ADOGL EJB with IBM WebSphere MQ

Follow the steps given below only if the Oracle10g Application Server is to be configured with *IBM WebSphere MQ*.

Before going ahead with the steps given below, please ensure the IBM WebSphere MQ Destinations, Connection Factories and their Bindings are created.

[Note: The path of the .bindings files needs to be specified in orion-application.xml]

Please refer to [WAS_ADOGL_WebSphereMQ_Installation.doc](#) Section 1.4 to create them.

The Resource Adapter (used to connect to IBM WebSphere MQ) related files are as given below and are located at

<KERNEL_INSTALL_DIR>\ADOGL_MDB\config\OC4J

- ✓ oc4j-connectors.xml
- ✓ oc4j-ra.xml
- ✓ orion-application.xml
- ✓ orion-ejb-jar.xml
- ✓ ra.xml

1. Modify oc4j-connectors.xml

Specify all the Queues involved as given below:



```
<adminobject-config location="MDB_QUEUE">  
  <adminobject-class>oracle.j2ee.ra.jms.generic.AdminObjectQueueImpl</adminobject-class>  
  <config-property name="jndiName" value="MDB_QUEUE"/>  
  <config-property name="resourceProviderName" value="WebSphereMQRP"/>  
</adminobject-config>
```

2. Modify oc4j-ra.xml

Specify the Queue Connection Factories involved as given below:

```
<connector-factory location="MDBQCF" connector-name="WebSphereMQC">
  <connectionfactory-interface>
    javax.jms.XAQueueConnectionFactory
  </connectionfactory-interface>
  <config-property name="jndiLocation" value="MDBQCF"/>
</connector-factory>
```

3. Modify orion-application.xml

Define the Resource Provider to be used by the Notify MDB.

[Note: Ensure the .bindings file is located in the correct path given below as value of the property name, java.naming.provider.url]

```
<resource-provider
  class="com.evermind.server.deployment.ContextScanningResourceProvider"
  name="WebSphereMQRP">
  <description>WebSphere MQ Resource Provider</description>
  <property name="java.naming.factory.initial"
    value="com.sun.jndi.fscontext.RefFSContextFactory"/>
  <property name="java.naming.provider.url" value="file:/D:/Kernel7.2/Bindings"/>
```

```
</resource-provider>
```

4. Modify orion-ejb-jar.xml

Mention the Resource references as shown below.

```
<session-deployment name="ADOGL_EJB_FACADE_Bean"
    location="ADOGL_EJB_FACADE_Bean"
    local-location="ADOGL_EJB_FACADE_Bean_ADOGL_EJB_FACADE_BeanLocal"
    local-wrapper-name="ADOGLEjbFacadeLocal_StatelessSessionBeanWrapper8"
    remote-wrapper-name="ADOGLEjbFacadeRemote_StatelessSessionBeanWrapper10"
    persistence-filename="ADOGL_EJB_FACADE_Bean"
    wrapper="ADOGLEjbFacadeRemoteHome_StatelessSessionHomeWrapper11"
    local-wrapper="ADOGLEjbFacadeLocalHome_StatelessSessionHomeWrapper9">

    <!-- Resource Ref mappings -->
    <resource-ref-mapping name="MDBQCF" location="MDBQCF"/>

    <!-- Resource Ref Environment mappings -->
    <resource-env-ref-mapping name="MDB_QUEUE" location="MDB_QUEUE"/>

</session-deployment>
```

5. Modify ra.xml

Specify the Queues and the Queue Connection Factory involved as given below:

```
<!-- Queue admin object -->
```

```
<adminobject>
```

```
  <adminobject-interface>javax.jms.Queue</adminobject-interface>
```

```
  <adminobject-class>oracle.j2ee.ra.jms.generic.AdminObjectQueueImpl</adminobject-class>
```

```
  <config-property>
```

```
    <config-property-name>jndiName</config-property-name>
```

```
    <config-property-type>java.lang.String</config-property-type>
```

```
    <config-property-value>MDB_QUEUE</config-property-value>
```

```
  </config-property>
```

```
  <config-property>
```

```
    <config-property-name>resourceProviderName</config-property-name>
```

```
    <config-property-type>java.lang.String</config-property-type>
```

```
    <config-property-value>WebSphereMGRP</config-property-value>
```

```
  </config-property>
```

```
</adminobject>
```

```
<outbound-resourceadapter>
```

```
  <connection-definition>
```

```
    <managedconnectionfactory-class>
```

```
      oracle.j2ee.ra.jms.generic.ManagedXAQueueConnectionFactoryImpl
```

```
    </managedconnectionfactory-class>
```

```
  <connectionfactory-interface>
```

```
    javax.jms.XAQueueConnectionFactory
```

```
  </connectionfactory-interface>
```

```
  <connectionfactory-impl-class>
```

```
        oracle.j2ee.ra.jms.generic.XAQueueConnectionFactoryWrapper
    </connectionfactory-impl-class>

    <connection-interface>javax.jms.XAConnection</connection-interface>

    <connection-impl-class>
        oracle.j2ee.ra.jms.generic.ConnectionWrapper</connection-impl-class>
    <config-property>
        <config-property-name>jndiLocation</config-property-name>
        <config-property-type>java.lang.String</config-property-type>
        <config-property-value>MDBQCF</config-property-value>
    </config-property>
</connection-definition>
```




FLEXCUBE UBS Oracle GL Adapter Data Source Creation Installation
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