FLEXCUBE UBS Outbound Application Adapter Installation Document

Version 14.3.0.0.0

FLEXCUBE KERNEL

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# Installation Steps

## Prerequisite

* Ensure that the basic NOTIFY MDB Gateway Environment Setup is done.

[Please refer [OC4J\_NOTIFY\_MDB Installation.doc](file:///D:\GATEWAY\Gateway_Installation\OC4J\OC4J_GW_Notify_MDB_Installation.doc).]

* Ensure that the basic Adapter Environment Setup is done.

[Please refer [SSIAD\_Installation\_FCUBSV.UM8.0.0.0.0.0.0Lot1.doc](file:///D:\Bugs\Addition_Deletion\Installation\Third%20Party%20Software%20Installation\SSIMH_Adapter_Installation_Docs\SSIAD_Installation.doc).]

## Steps

To configure Oracle10g Application Server with ***IBM WebSphere MQ***, follow the steps given in the [Appendix](#_Appendix).

1. **Modify ejb-jar.xml**

Open the file **<KERNEL\_INSTALL\_DIR>\SSIAD\_MDB\config\ejb-jar.xml**  in any editor for editing.

This file will have a similar section as the one shown below in the < env-entry > tag:

* Set the location of the properties file SSIAD\_MDB\_Prop.xml as the value of propertyPath.

E.g.: C:/Documents and Settings/SSI\_ADAPTER/

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

<env-entry>

<env-entry-name>**propertyPath**</env-entry-name>

<env-entry-type>java.lang.String</env-entry-type>

<env-entry-value>**C:/Documents and Settings/Gateway/**</env-entry-value>

</env-entry>

**Save** the file in the same folder after modification.

1. **Configure FLEXCUBE UBS MDB ADAPTER Properties**

Edit ***<KERNEL\_INSTALL\_DIR>/SSIAD\_MDB/config/ SSIAD\_MDB\_Prop.xml*** file to give appropriate values for the properties as described below,

* + 1. XSD\_PATH: This property specifies the path where the BaExchangeFileRequest.XSD

is stored.

e.g. XSD\_PATH=<KERNEL\_INSTALL\_DIR>/SSIAD\_MDB/XSD/

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

2. SSI\_MDB\_XSD: This property specifies the name of the XSD file.

e.g. SSI\_MDB\_XSD = BaExchangeFileRequest.XSD

1. IS\_XSD\_VAL\_REQD - This property specifies whether XSD validation should be done or not . To enable XSD validation specify "Y" and to disable specify "N".

4. FCUBS\_DB\_SERVER\_IP: This property defines FCUBS Database server IP address.

5. FCUBS\_DB\_SERVER\_UID: This property defines user id for FCUBS Database server.

6. FCUBS\_DB\_SERVER\_PWD: This property defines password for FCUBS Database

server.

7. FCUBS\_DB\_PAYLOAD\_PATH: This property defines payload file path on FCUBS

Database server.

8. SSIAD\_EJB\_MH\_IP: This property defines SSI MH server IP address.

9. SSIAD\_EJB\_MH\_USERID: This property defines user id for SSI MH server.

10. SSIAD\_EJB\_MH\_PASSWORD: This property defines password for SSI MH server.

11. SSIAD\_EJB\_MH\_ENVELOPE: This property defines envelope file path on SSI MH

Server

12. SSIAD\_MH\_PAYLOAD\_PATH: This property defines payload file path on SSI MH

server.

13. SSIAD\_OB\_ENVELOPE\_FILE\_FOLDER: This property defines local folder name where

temporary envelope file will be stored.

eg. SSIAD\_OB\_ENVELOPE\_FILE\_FOLDER = “C:/Documents and Settings/Default

User/SSIAD\_OB\_ENVELOPE/”

***[NOTE: Give XSD file path with forward slash (/) as file separator and remember to give a slash***

***at the end.]***

14. SSIAD\_OB\_ENVELOPE\_FILE\_PREFIX: This property specifies envelope file prefix.

eg. SSIAD\_OB\_ENVELOPE\_FILE\_PREFIX = “BA”.

15. SSIAD\_OB\_ENVELOPE\_FILE\_EXTENSION: This property specifies envelope file

extension.

eg. SSIAD\_OB\_ENVELOPE\_FILE\_EXTENSION =”.xml”.

16. SSIAD\_OB\_ENVELOPE\_FILE\_SAVE\_DATE\_FORMAT: This property specifies envelope

file date format tah will be suffixed with SSIAD\_OB\_ENVELOPE\_FILE\_PREFIX.

eg. SIAD\_OB\_ENVELOPE\_FILE\_SAVE\_DATE\_FORMAT = "yyyyMMddHHMMSSsss".

17. SSIAD\_OB\_DEAD\_ENVELOPE\_FILE\_FOLDER: This property defines local folder name

where dead envelope file will be stored. This folder must be under USER\_HOME dir.

eg. SSIAD\_OB\_ENVELOPE\_FILE\_FOLDER = "C:/Documents and Settings/Default

User/SSIAD\_OB\_DEAD\_ENVELOPE/"

***[NOTE: Give XSD file path with forward slash (/) as file separator and remember to give a slash***

***at the end.]***

18. XSL\_PATH: This property specifies the path where the SSIAD\_MDB\_XSL.XSL is stored.

eg. XSL\_PATH =”<KERNEL\_INSTALL\_DIR>/SSIAD\_MDB/XSL/”

***[NOTE: Give XSD file path with forward slash (/) as file separator and remember to give a slash***

***at the end.]***

19. SSIAD\_MDB\_XSL: This property specifies the acknowledgement XSL file name.

eg. SSIAD\_MDB\_XSL = SSIAD\_MDB\_XSL.xsl

20. LOGGER\_PATH: This property specifies the path of the logger property file. This file

can be found at <KERNEL\_INSTALL\_DIR>/SSIAD\_MDB/config.

***[NOTE: Give XSD file path with forward slash (/) as file separator and remember to give a slash***

***at the end.]***

The SSIAD\_MDB\_Prop.xml will look similar as follows,

<add key="XSD\_PATH" value="D:/KERNEL\_SSIAD\_OC4J/SSIAD\_MDB/XSD/"/>

<!-- Kernel 8.0 Lot 1 ITR1 SFR#01 <Start> -->

<add key="SSIAD\_MDB\_XSD" value="BaExchangeFileRequest.XSD"/>

<add key="IS\_XSD\_VAL\_REQD" value="Y"/>

<!-- Kernel 8.0 Lot 1 ITR1 SFR#01 <End> -->

<!-- FCUBS DB FTP details -->

<add key="FCUBS\_DB\_SERVER\_IP" value="10.80.50.227"/>

<add key="FCUBS\_DB\_SERVER\_UID" value="kerneldev"/>

<add key="FCUBS\_DB\_SERVER\_PWD" value="kerneldev"/>

<add key="FCUBS\_DB\_PAYLOAD\_PATH" value="users/outbound/db/payload/"/>

<!-- SSI MH FTP details -->

<add key="SSIAD\_MDB\_MH\_IP" value="10.80.161.40"/>

<add key="SSIAD\_MDB\_MH\_USERID" value="rashmish"/>

<add key="SSIAD\_MDB\_MH\_PASSWORD" value="Password123"/>

<add key="SSIAD\_MDB\_MH\_ENVELOPE" value="OutBound/OutEnvelop/"/>

<add key="SSIAD\_MDB\_MH\_PAYLOAD\_PATH" value="OutBound/OutPayload/"/>

<!--Outbound Envelope File -->

<add key="SSIAD\_OB\_ENVELOPE\_FILE\_FOLDER" value="C:/Documents and Settings/Default

User/SSIAD\_OB\_ENVELOPE/"/>

<add key="SSIAD\_OB\_ENVELOPE\_FILE\_PREFIX" value="BA"/>

<add key="SSIAD\_OB\_ENVELOPE\_FILE\_EXTENSION" value=".xml"/>

<add key="SSIAD\_OB\_ENVELOPE\_FILE\_SAVE\_DATE\_FORMAT"

value="yyyyMMddHHMMSSsss"/>

<add key="SSIAD\_OB\_DEAD\_ENVELOPE\_FILE\_FOLDER"

value="C:/Documents and Settings/Default User/SSIAD\_OB\_DEAD\_ENVELOPE/"/>

<!-- XSL -->

<add key="XSL\_PATH" value="D:/KERNEL\_SSIAD\_OC4J/SSIAD\_MDB/XSL/"/>

<add key="SSIAD\_MDB\_XSL" value="SSIAD\_MDB\_XSL.xsl"/>

<!-- MISCELLANEOUS PROPERTIES -->

<add key="LOGGER\_PATH"

value="D:/KERNEL\_SSIAD\_OC4J/SSIAD\_MDB/config/ssiad\_mdb\_logger.xml"/>

1. **Configure logger parameters**

Edit <KERNEL\_INSTALL\_DIR>/SSIAD\_MDB/config/ssiad\_mdb\_logger.xml file to change the value of the property “SSIAD.LOGGER.FPATH” to <KERNEL\_INSTALL\_DIR>/SSIAD\_MDB/log/.

E.g. If the value of your <KERNEL\_INSTALL\_DIR> is D:/Kernel8.0, then the entry for this property will be,

<add key="SSIAD.LOGGER.FPATH" value="D:/Kernel8.0/SSIAD\_MDB/log/"/>

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

1. **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>\SSIAD\_MDB\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>/SSIAD\_MDB/setup/OC4J in the shell prompt, type **“ant”** and press enter.

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

**D. Deploy the SSIAD MDB in 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.

1. **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. If the server start up is proper we shall get the following screen.

* 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.

1. **Open the Administrative Console of Oracle Enterprise Manager**

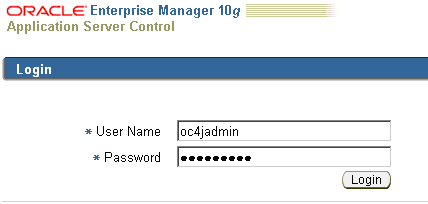
* Open an internet browser and type the OC4J Admin Console URL Address of the server.

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

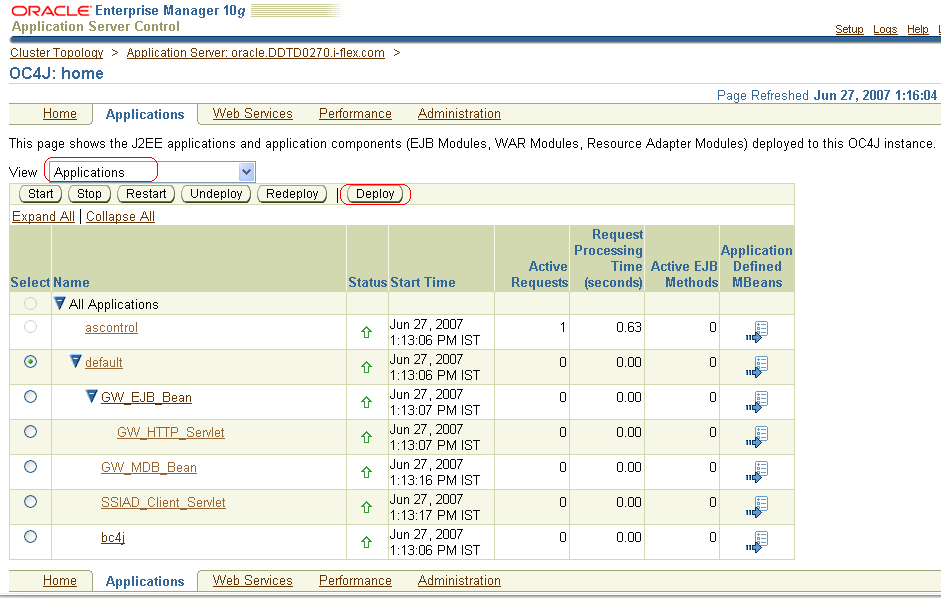
Enter OC4J administrator username/password and press **Login**.



1. **Deploy Resource Adapter**

[**Refer:** [OC4J\_RESOURCE\_ADAPTER\_DEPLOYMENT](file:///D:\Bugs\Addition_Deletion\Installation\Third%20Party%20Software%20Installation\SSIMH_Adapter_Installation_Docs\OC4J\OC4J_RESOURCE_ADAPTER_DEPLOYMENT.doc)]

1. **Deploying SSIAD\_MDB\_Bean.ear** 
   * Click on Applications -> Deploy.

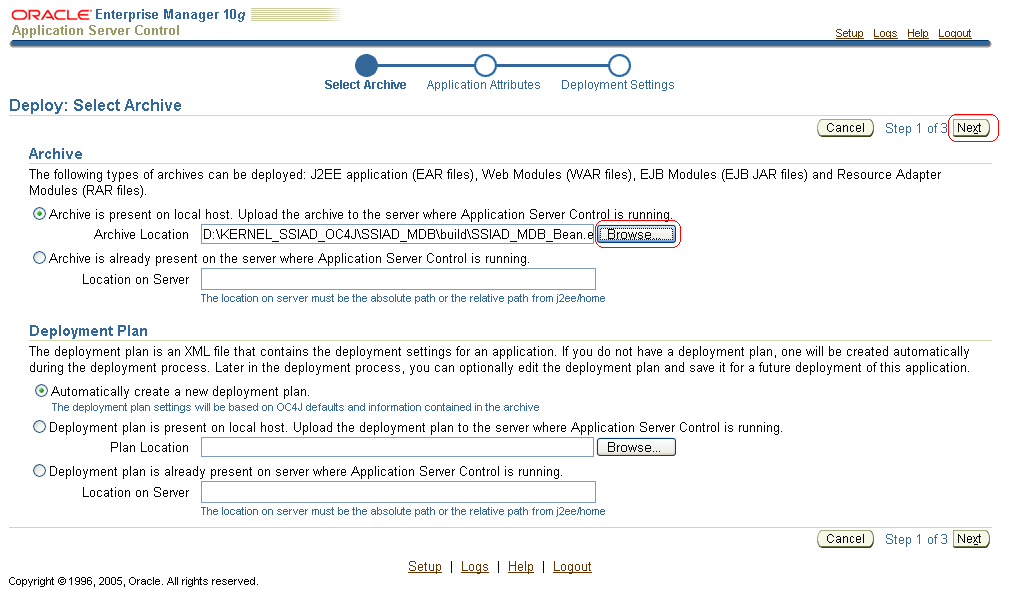


1. The following screen is displayed.

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

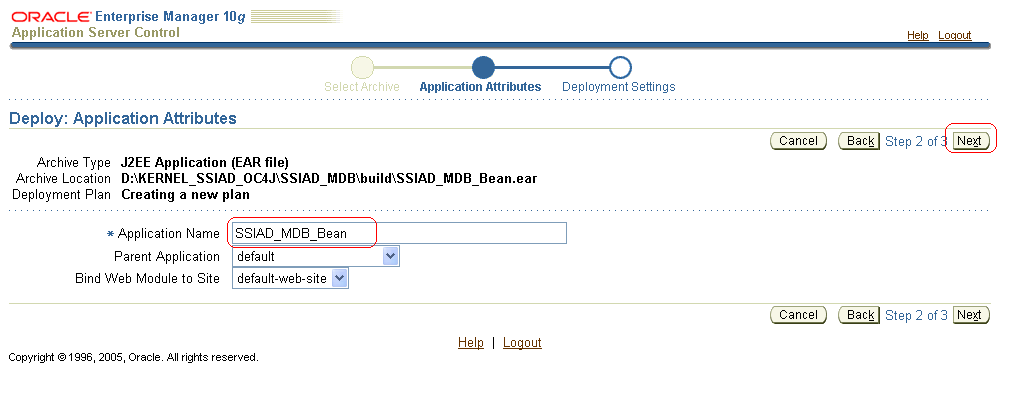
<KERNEL\_INSTALL\_DIR>/SSIAD\_MDB/build/**SSIAD\_MDB\_Bean.ear**

* Click **Next**.



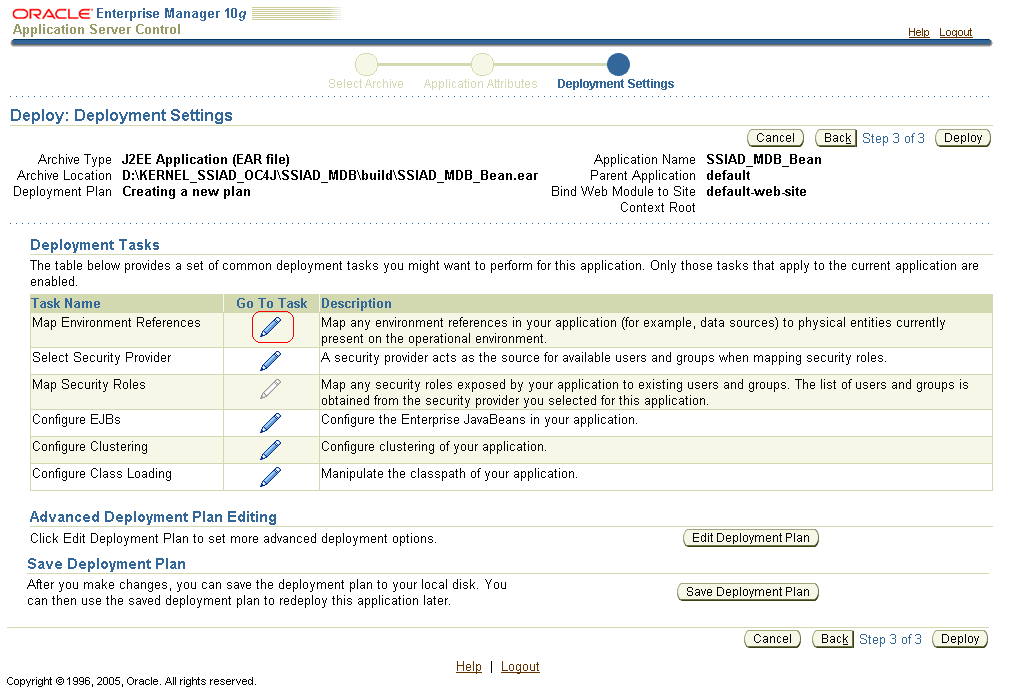
1. The following screen is displayed.

* Enter application name: SSIAD\_MDB\_Bean.
* Click **Next**.



1. The following screen is displayed.

* Click**” Map Environment References”**

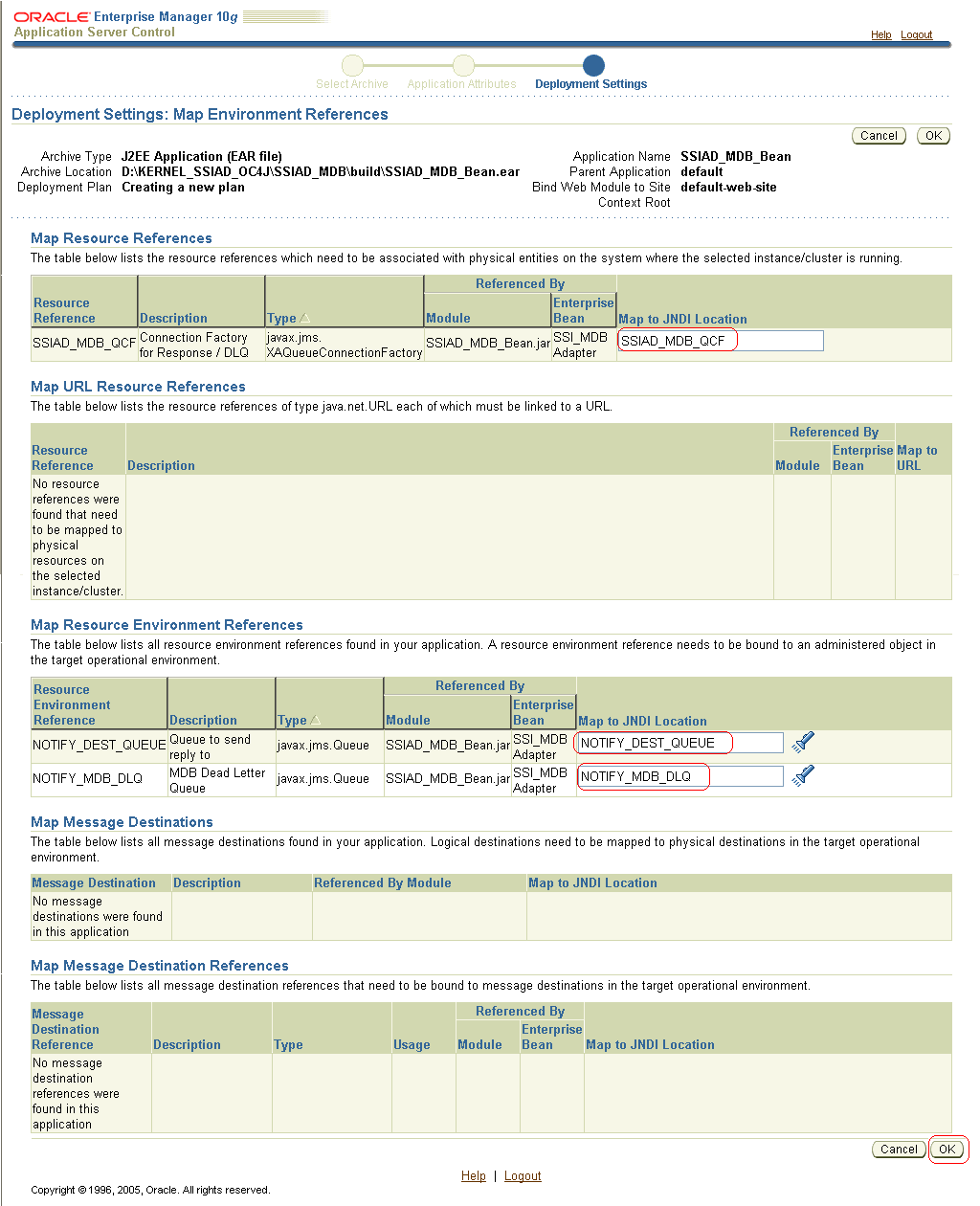


1. The following screen is displayed.
   * Map to JNDI Location

***[Note: The JNDI names by default are in the table given below. These names can be modified if required in the following screen of the OEM console. In such a situation, remember to modify the corresponding entries in ejb-jar.xml and the GW\_MDB\_Prop.xml file]***

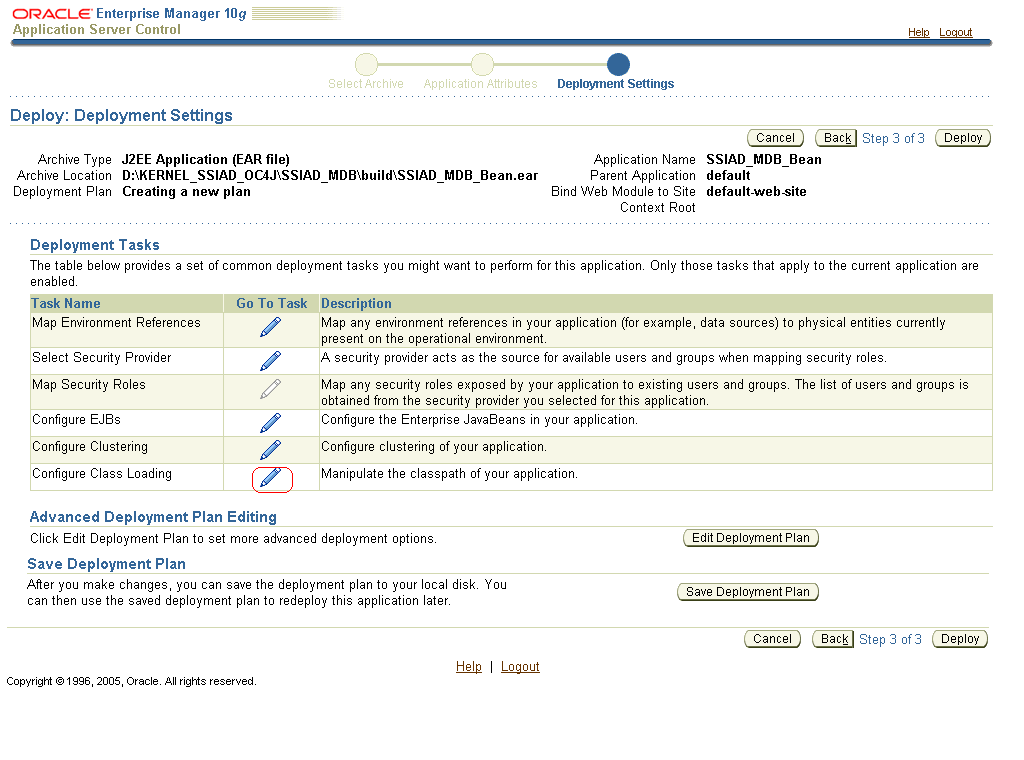
|  |  |
| --- | --- |
| **Resource Reference** | **JNDI Location** |
| SSIAD\_MDB\_QCF | SSIAD\_MDB\_QCF |
| NOTIFY\_DEST\_QUEUE | NOTIFY\_DEST\_QUEUE |
| NOTIFY\_MDB\_DLQ | NOTIFY\_MDB\_DLQ |

* + Click **OK**



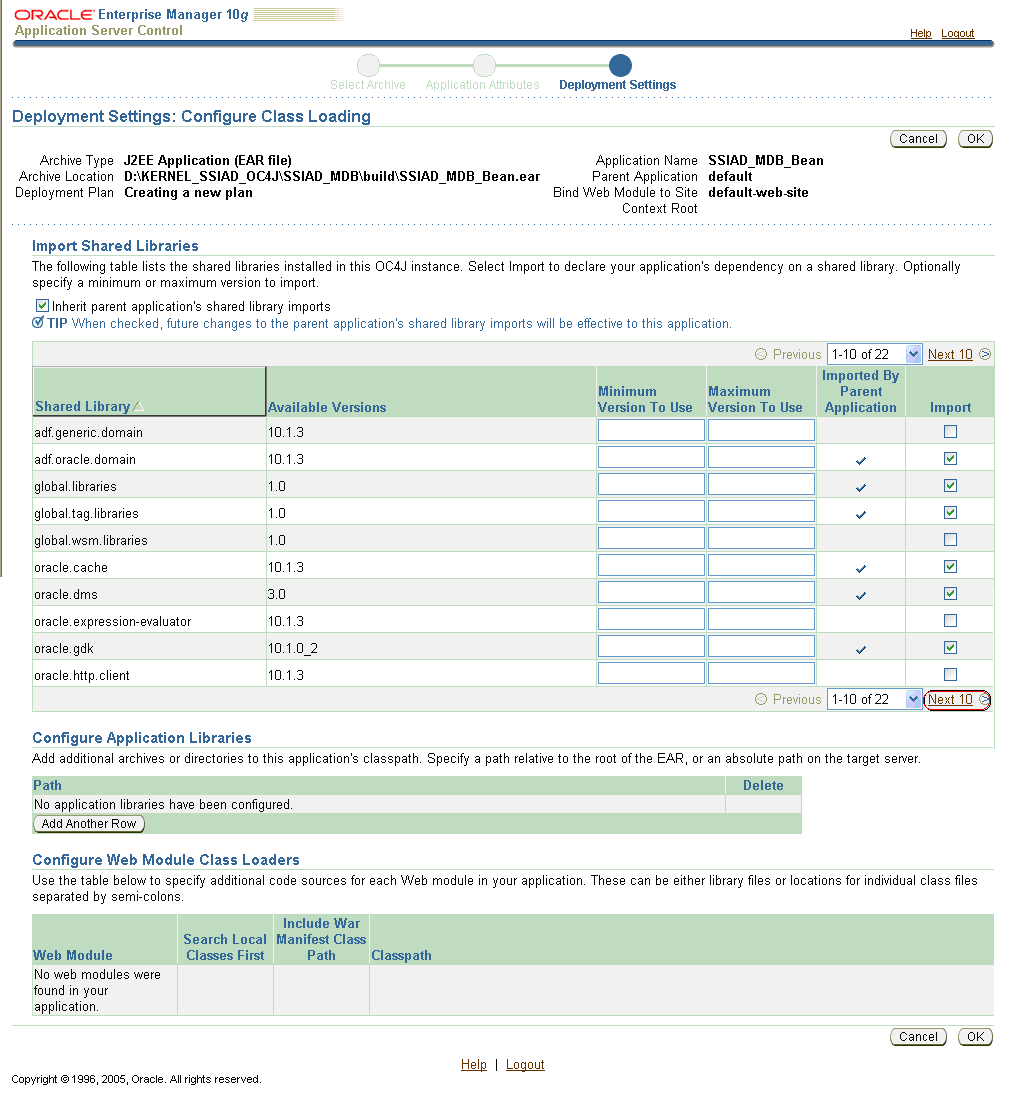
1. The followingscreen is displayed.

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



1. The following screen is displayed**.**

* Navigate to the next page

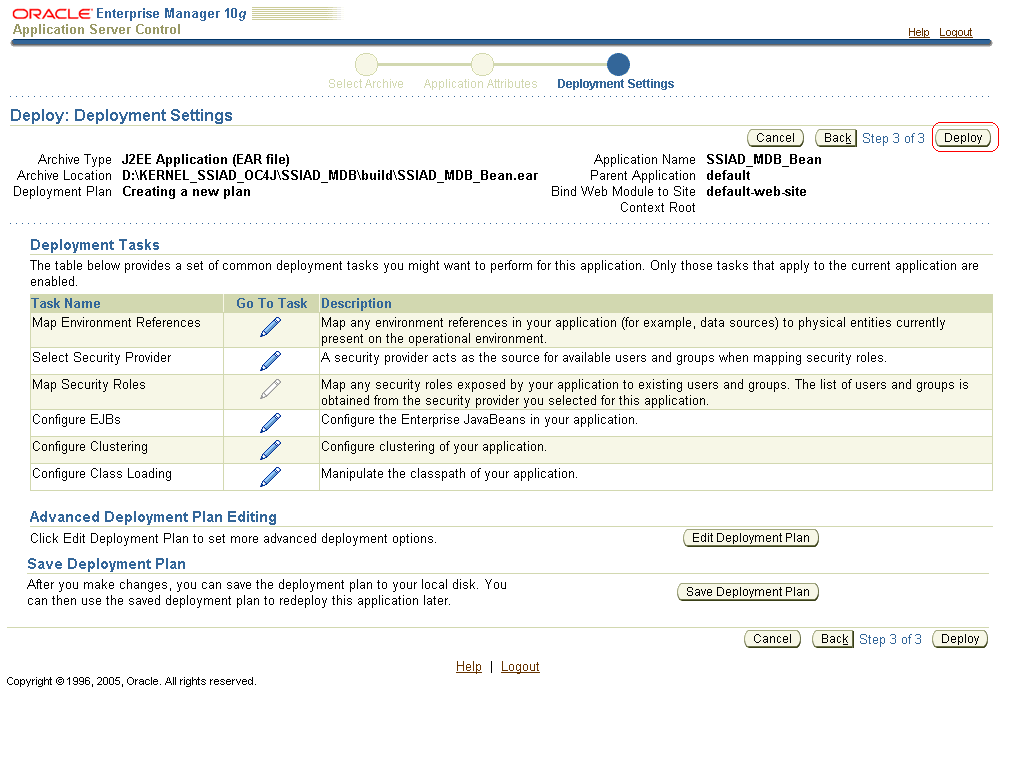


1. The following screen is displayed.

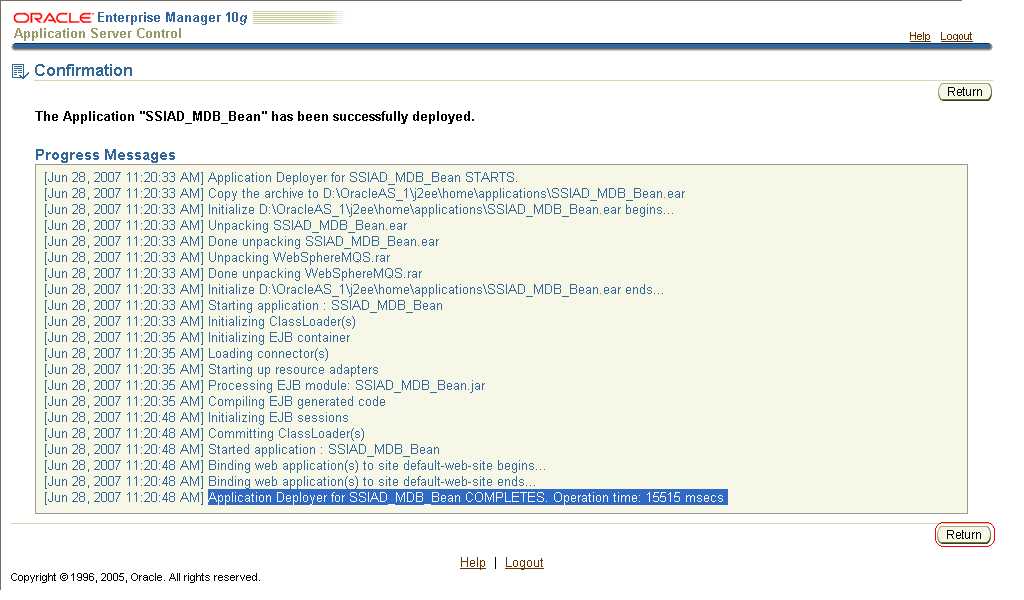
* **Uncheck oracle.xml**
* **Ok**



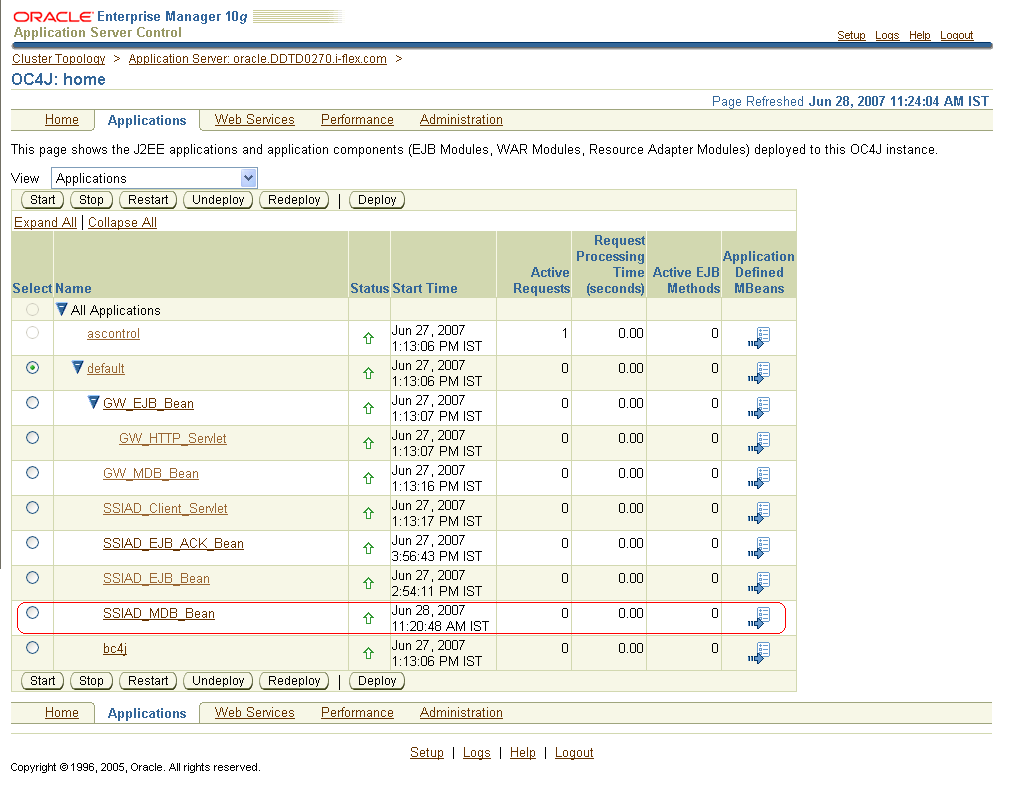
1. The following screen is displayed.
   * + Click **Deploy**



1. The following screen is displayed.
   * Click **Return**



1. The following screen is displayed.



2

# Appendix

## Configuring SSIAD MDB 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.

* Ensure that Queue Destinations, NOTIFY\_DEST\_QUEUE and NOTIFY\_MDB\_DLQ are in IBM WebSphere MQ.
* Create an XA QueueConnectionFactory with the name SSIAD\_MDB\_QCF

[**Refer**[**:** WAS\_SSIAD\_WebSphereMQ\_Installation.doc](file:///D:\Bugs\Addition_Deletion\Installation\Third%20Party%20Software%20Installation\SSIMH_Adapter_Installation_Docs\WAS_SSIAD_WebSphereMQ_Installation.doc)]

* Create the bindings to lookup the above given Queues and the Queue Connection Factories (SSIAD\_MDB\_QCF).

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

[**Refer**[**:** WAS\_SSIAD\_WebSphereMQ\_Installation.doc](file:///D:\Bugs\Addition_Deletion\Installation\Third%20Party%20Software%20Installation\SSIMH_Adapter_Installation_Docs\WAS_SSIAD_WebSphereMQ_Installation.doc)]

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

<KERNEL\_INSTALL\_DIR>\SSIAD\_MDB\config\OC4J

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

In addition, changes have been made to

* ejb-jar.xml (located at <KERNEL\_INSTALL\_DIR>\SSIAD\_MDB\config)
  1. **Modify oc4j-connectors.xml**

Specify all the Queues involved as given below:

<connector name="**WebSphereMQS**" path="WebSphereMQ.rar">

<adminobject-config location="**NOTIFY\_DEST\_QUEUE**">

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

<config-property name="jndiName" value="**NOTIFY\_DEST\_QUEUE**"/>

<config-property name="resourceProviderName" value="WebSphereMQRP"/>

</adminobject-config>

<adminobject-config location="**NOTIFY\_QUEUE**">

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

<config-property name="jndiName" value="**NOTIFY\_QUEUE**"/>

<config-property name="resourceProviderName" value="WebSphereMQRP"/>

</adminobject-config>

<adminobject-config location="**NOTIFY\_MDB\_DLQ**">

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

<config-property name="jndiName" value="**NOTIFY\_MDB\_DLQ**"/>

<config-property name="resourceProviderName" value="WebSphereMQRP"/>

</adminobject-config>

* 1. **Modify oc4j-ra.xml**

Specify the Queue Connection Factories involved as given below:

<connector-factory location="**SSIAD\_MDB\_QCF**" connector-name="**WebSphereMQS**">

<connectionfactory-interface>javax.jms.XAQueueConnectionFactory</connectionfactory-interface>

<config-property name="jndiLocation" value=" **SSIAD\_MDB\_QCF**"/>

</connector-factory>

* 1. **Modify orion-application.xml**

Define the Resource Provider to be used by the SSIAD 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:/Bindings**"/>

</resource-provider>

* 1. **Modify orion-ejb-jar.xml**

Mention the Resource Adapter name and the Resource references as shown below.

<message-driven-deployment name="**SSIAD\_MDB\_Bean**"

resource-adapter="**WebSphereMQS**"

listener-threads="100"

subscription-name="**SSIAD\_MDB\_Bean\_Sub**"

transaction-timeout="172800">

<!-- Resource Ref Environment mappings -->

<resource-ref-mapping name=" **SSIAD\_MDB\_QCF**" location=" **SSIAD\_MDB\_QCF**" />

<resource-env-ref-mapping name="**NOTIFY\_DEST\_QUEUE**"

location="**NOTIFY\_DEST\_QUEUE**" />

<resource-env-ref-mapping name="**NOTIFY\_MDB\_DLQ**" location="**NOTIFY\_MDB\_DLQ**" />

<resource-env-ref-mapping name="**NOTIFY\_QUEUE**" location="**NOTIFY\_QUEUE**" />

</message-driven-deployment>

* 1. **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>**NOTIFY\_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>WebSphereMQRP</config-property-value>

</config-property>

</adminobject>

<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>**NOTIFY\_DEST\_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>WebSphereMQRP</config-property-value>

</config-property>

</adminobject>

<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>**NOTIFY\_MDB\_DLQ**</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>WebSphereMQRP</config-property-value>

</config-property>

</adminobject>

<!-- inbound configuration -->

<inbound-resourceadapter>

<messageadapter>

<messagelistener>

<messagelistener-type>javax.jms.MessageListener</messagelistener-type>

<activationspec>

<activationspec-class>oracle.j2ee.ra.jms.generic.JMSActivationSpec</activationspec-class>

<required-config-property>

<config-property-name>ConnectionFactoryJndiName</config-property-name>

<config-property-name>DestinationName</config-property-name>

<config-property-name>DestinationType</config-property-name>

</required-config-property>

</activationspec>

</messagelistener>

</messageadapter>

</inbound-resourceadapter>

<!-- outbound configuration -->

<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> **SSIAD\_MDB\_QCF**</config-property-value>

</config-property>

</connection-definition>

* 1. **Modify ejb-jar.xml**

Specify the Queue the SSIAD MDB is listening to in the <activation-config> tag and Resource references as shown below:

* NOTIFY\_MDB\_QCF is the XA Queue Connection Factory.
* NOTIFY\_DEST\_QUEUE is the Queue on which MDB will listen.
* NOTIFY\_MDB\_DLQ is the Dead Letter Queue

<activation-config>

<activation-config-property>

<activation-config-property-name>DestinationType</activation-config-property-name>

<activation-config-property-value>javax.jms.Queue</activation-config-property-value>

</activation-config-property>

<activation-config-property>

<activation-config-property-name>DestinationName</activation-config-property-name>

<activation-config-property-value>**NOTIFY\_DEST\_QUEUE**</activation-config-property-value>

</activation-config-property>

<activation-config-property>

<activation-config-property-name>ConnectionFactoryJndiName</activation-config-property-name>

<activation-config-property-value> **SSIAD\_MDB\_QCF**</activation-config-property-value>

</activation-config-property>

</activation-config>

<resource-ref>

<description>Connection Factory for Response / DLQ</description>

<res-ref-name> **SSIAD\_MDB\_QCF**</res-ref-name>

<res-type>javax.jms.XAQueueConnectionFactory</res-type>

<res-auth>Container</res-auth>

<res-sharing-scope>Shareable</res-sharing-scope>

</resource-ref>

<resource-env-ref>

<description>Queue to send reply to</description>

<resource-env-ref-name>**NOTIFY\_DEST\_QUEUE**</resource-env-ref-name>

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

</resource-env-ref>

<resource-env-ref>

<description>MDB Dead Letter Queue</description>

<resource-env-ref-name>**NOTIFY\_MDB\_DLQ**</resource-env-ref-name>

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

</resource-env-ref>

</message-driven>

</enterprise-beans>



FLEXCUBE UBS Outbound Application Adapter Installation Document

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