

Installation User Manual
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Document Control

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Resource Adapter Deployment Steps

1.1 Prerequisite

Ensure that the modification has been done in Resource Adapter (used to connect to IBM WebSphere MQ) related files located at

<KERNEL_INSTALL_DIR>\SSIAD_MDB\config\OC4J

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

[Please refer [OC4J SSIAD MDB Installation.doc.](#)]

1.2 Resource Adapter Deployment

1. Navigate to the “Application screen” as shown below.

The screenshot displays the Oracle Enterprise Manager 10g Application Server Control interface. The page title is "Application Server Control" and the breadcrumb path is "Cluster Topology > Application Server: oracle.DDTD0270.i-flex.com > OC4J: home". The "Applications" tab is selected and highlighted with a red box. The "General" section shows the application status as "Up" with a green checkmark icon. Other details include Start Time: Jun 27, 2007 1:12:30 PM IST, Oracle Home: D:\OracleAS_1, Host: DDTD0270.i-flex.com, and Notifications: 0. The "Response and Load" section contains a line graph with a y-axis from 0.00 to 0.20 and an x-axis from 7:41 to 8:20:40. The graph shows two data series: "Request Processing Time (seconds)" (blue line) and "Requests per second" (light blue area). The legend is located below the graph. The page footer includes "Copyright © 1996, 2005, Oracle. All rights reserved." and navigation links for Setup, Logs, Help, and Logout.

2. The following screen is displayed.

- ✓ Select “**Standalone Resource Adapters**” from drop down list.
- ✓ Click on “**Deploy**”.

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

View **Standalone Resource Adapters**

[Expand All](#) | [Collapse All](#)

Select	Name	Status	Start Time	Active Requests	Request Processing Time (seconds)	Active EJB Methods	Application Defined MBeans
<input type="radio"/>	▼ All Applications						
<input type="radio"/>	ascontrol	↑	Jun 27, 2007 1:13:06 PM IST	1	0.00	0	
<input checked="" type="radio"/>	▼ default	↑	Jun 27, 2007 1:13:06 PM IST	0	0.00	0	
<input type="radio"/>	▼ GW_EJB_Bean	↑	Jun 27, 2007 1:13:07 PM IST	0	0.00	0	
<input type="radio"/>	GW_HTTP_Servlet	↑	Jun 27, 2007 1:13:07 PM IST	0	0.00	0	
<input type="radio"/>	GW_MDB_Bean	↑	Jun 27, 2007 1:13:16 PM IST	0	0.00	0	
<input type="radio"/>	SSIAD_Client_Servlet	↑	Jun 27, 2007 1:13:17 PM IST	0	0.00	0	
<input type="radio"/>	SSIAD_EJB_ACK_Bean	↑	Jun 27, 2007 3:56:43 PM IST	0	0.00	0	
<input type="radio"/>	SSIAD_EJB_Bean	↑	Jun 27, 2007 2:54:11 PM IST	0	0.00	0	
<input type="radio"/>	bc4j	↑	Jun 27, 2007 1:13:06 PM IST	0	0.00	0	

3. The following screen is displayed:

- ✓ Click on "Deploy".

ORACLE Enterprise Manager 10g
Application Server Control

Cluster Topology > Application Server: oracle.DDTD0270.i-flex.com >
OC4J: home

Page Refreshed Jun 28, 2007 9:52:35 AM IST

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 Standalone Resource Adapters

Start Stop Undeploy Redeploy **Deploy**

Select Resource Adapter	Resource Adapter Module	Status	EIS Type
<input checked="" type="radio"/> GenericJMS	WebSphereMQ	↑	OC4J JMS
<input type="radio"/> OracleASjms	OracleASjms	↑	OracleAS JMS

Home Applications Web Services Performance Administration

Setup | Logs | Help | Logout

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2. The following screen is displayed.

- ✓ Click **Browse**
- ✓ Specify the local path of the resource adapter archive file:
<KERNEL_INSTALL_DIR>/SSIAD_MDB/build/ **WebSphereMQS.rar**
- ✓ Click **Next**.

ORACLE Enterprise Manager 10g
Application Server Control

Setup | Logs | Help | Logout

Select Archive Application Attributes Deployment Settings

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 the archive to the server where Application Server Control is running.
Archive Location: D:\KERNEL_SSIAD_OC4J\SSIAD_MDB\build\WebSphereMQS.rar **Browse...**

Archive is already present on the 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 an XML file that contains the deployment settings for an application. If you do not have a deployment plan, one will be created automatically during the deployment process. Later in the deployment process, you can optionally edit the deployment plan and save it for 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 the deployment plan to the server where Application Server Control is running.
Plan Location: **Browse...**

Deployment plan is 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**

Setup | Logs | Help | Logout

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4. The following screen is displayed.

- ✓ Enter the resource adapter name: WebsphereMQS.

[Note: This name must be same as defined as *resource-adapter* tag in orion-ejb-jar.xml

```
<message-driven-deployment name="SSIAD_MDB_Bean"  
    resource-adapter="WebSphereMQS"  
    listener-threads="100"  
    subscription-name="SSIAD_MDB_Bean_Sub"  
    transaction-timeout="172800">]
```

- ✓ Click on Next

The screenshot shows the Oracle Enterprise Manager 10g Application Server Control interface. At the top, there is a navigation bar with 'ORACLE Enterprise Manager 10g' and 'Application Server Control' on the left, and 'Help' and 'Logout' on the right. Below this is a progress indicator with three steps: 'Select Archive', 'Application Attributes' (which is the current step and highlighted in blue), and 'Deployment Settings'. The main content area is titled 'Deploy: Application Attributes'. It contains the following information: 'Archive Type: Resource Adapter Module (RAR file)', 'Archive Location: D:\KERNEL_SSIAD_OC4J\SSIAD_MDB\build\WebSphereMQS.rar', and 'Deployment Plan: Creating a new plan'. There are 'Cancel', 'Back', 'Step 2 of 3', and 'Next' buttons. The 'Resource Adapter Name' field is highlighted with a red box and contains the text 'WebSphereMQS'. At the bottom, there is a 'Help | Logout' link and a copyright notice: 'Copyright © 1996, 2005, Oracle. All rights reserved.'

5. The following screen will be displayed.

- ✓ Click on Deploy.



Deploy: Deployment Settings

[Cancel](#) [Back](#) **Step 3 of 3** [Deploy](#)

Archive Type **Resource Adapter Module (RAR file)** Application Name **WebSphereMQS**
 Archive Location **D:\KERNEL_SSIAD_OC4J\SSIID_MDB\build\WebSphereMQS.rar**
 Deployment Plan **Creating a new plan**

Deployment Tasks

The table below provides a set of common deployment tasks you might want to perform for this application. Only those tasks that apply to the current application are enabled.

Task Name	Go To Task	Description
Map Environment References		Map any environment references in your application (for example, 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 and groups. The list of users and groups is obtained from the security provider you selected for this application.
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

Click Edit Deployment Plan to set more advanced deployment options.

[Edit Deployment Plan](#)

Save Deployment Plan

After you make changes, you can save the deployment plan to your local disk. You can then use the saved deployment plan to redeploy this application later.

[Save Deployment Plan](#)

[Cancel](#) [Back](#) **Step 3 of 3** [Deploy](#)

6. The following screen will be displayed.
 - ✓ Click on Return.
 - ✓ Make sure that **The Resource Adapter "WebSphereMQS" has been successfully deployed. Message must be there.**

ORACLE Enterprise Manager 10g
Application Server Control [Help](#) [Logout](#)

[Confirmation](#) Return

The Resource Adapter "WebSphereMQS" has been successfully deployed.

Progress Messages

```
[Jun 28, 2007 10:18:02 AM] Connector Module Deployer for WebSphereMQS STARTS.
[Jun 28, 2007 10:18:02 AM] Copy the archive to D:\OracleAS_1\2ee\home\connectors\WebSphereMQS\WebSphereMQS.rar
[Jun 28, 2007 10:18:02 AM] Unpacking WebSphereMQS.rar
[Jun 28, 2007 10:18:02 AM] Done unpacking WebSphereMQS.rar
[Jun 28, 2007 10:18:02 AM] Starting up resource adapter
[Jun 28, 2007 10:18:03 AM] Connector Module Deployer for WebSphereMQS COMPLETES. Operation time: 1031 msec
```

Return

[Help](#) | [Logout](#)

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7. The following screen will be displayed.

ORACLE Enterprise Manager 10g
Application Server Control [Setup](#) [Logs](#) [Help](#) [Logout](#)

[Cluster Topology](#) > [Application Server: oracle.DDTD0270.i-flex.com](#) >
OC4J: home Page Refreshed Jun 28, 2007 10:21:04 AM IST

[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: Standalone Resource Adapters

Select	Resource Adapter	Resource Adapter Module	Status	EIS Type
<input checked="" type="radio"/>	GenericJMS	WebSphereMQ	↑	OC4J JMS
<input type="radio"/>	GenericJMS	WebSphereMQS	↑	OC4J JMS
<input type="radio"/>	OracleASjms	OracleASjms	↑	OracleAS JMS

[Home](#) [Applications](#) [Web Services](#) [Performance](#) [Administration](#)

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

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