

FLEXCUBE UBS Oracle GL Adapter Oracle ASJMS Queues
Creation Installation
Oracle FLEXCUBE Universal Banking
Release 12.87.06.0.0
[May] [2020]



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2. OC4J JMS INSTALLATION STEPS 3

1.1 STEPS 3

1.1.1

1. OC4J JMS Installation Steps

1.1 Steps

A. 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.

B. 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.

C. 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**.

The screenshot shows the Oracle Enterprise Manager 10g Application Server Control interface. At the top, the text "ORACLE Enterprise Manager 10g" is displayed in red and blue, with "Application Server Control" below it in green. Below this is a blue "Login" button. Underneath the button are two input fields: "* User Name" with the value "oc4jadmin" and "* Password" with masked characters. A "Login" button is located to the right of the password field.

D. Create the JMS Destinations and Connection Factories

1. The following screen is displayed.

- ✓ Click on **Administration**.

OC4J: home

Page Refreshed May 18, 2006 3:04:27 PM IST • View Data Manual Refr

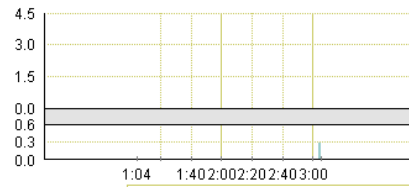
Home Applications Web Services Performance Administration

General



Status **Up**
Start Time **May 18, 2006 2:58:37 PM IST**
Oracle Home **D:\Oracle10gAS**
Host **CVRHP1257.i-flex.com**
Notifications **0**

Response and Load



2.The following screen is displayed.

- ✓ Go to the “JMS Providers” Task.

OC4J: home

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Home Applications Web Services Performance Administration

Expand All Collapse All		
Task Name	Go to Task	Description
Administration Tasks		
Properties		
EJB Compiler Settings		Configure the EJB Compiler.
J2EE Websites		Manage the J2EE websites in this OC4J instance.
JSP Properties		Set JSP container properties.
Logger Configuration		Set log levels for all Loggers.
Task Manager and Thread Pool Configuration		Configure the task manager and thread pools of this OC4J instance.
Shared Libraries		Manage the shared libraries of this OC4J instance.
Services		
JDBC Resources		Create/delete/view data sources and connection pools.
JMS Providers		Configure the OracleAS JMS Provider.
JNDI Browser		Configure the JNDI bindings of this OC4J instance.
Transaction Manager (JTA)		Configure and monitor transaction management capabilities.
Security		
Security Providers		Configure security providers, create/delete/view users and roles.
Identity Management		Configure or change the Oracle Internet Directory associated with this OC4J instance.
Trusted SAML Authorities		Configure trusted SAML assertion issuer names and keys to be used to secure webservices.

3.The following screen is displayed.

- ✓ Click on “Destinations”.


ORACLE Enterprise Manager 10g
Application Server Control

QC4J: home >
OracleAS JMS

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Home Destinations Connection Factories Administration

General

 Current Status **Running**
Start Time **May 24, 2006 6:43:32 PM GMT+05:30**
Host **cvrhp1454**
Port **9127**

Performance

Active Connections	6
Messages Waiting for Read	0
Messages Waiting for Commit	0
Messages Enqueued per Second	0.00
Messages Dequeued per Second	0.00
Messages Paged In per Second	0.00
Messages Paged Out per Second	0.00
Messages Committed Since Startup	0
Messages Rolled Back Since Startup	0
Messages Expired Since Startup	0

Home Destinations Connection Factories Administration

Setup | Logs | Help | Logout

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4. The following screen is displayed. Create a new Queue.

- ✓ Click on “Create New”.

OC4J: home >

OracleAS JMS

Page Refreshed May 24, 2006 6:57:56 PM GMT+05:30

Home Destinations Connection Factories Administration					
Create New					
Name ▲	Type	JNDI Location	Persistence File	Monitor Performance	Delete
Demo Queue	Queue	jms/demoQueue			
Demo Topic	Topic	jms/demoTopic			
jms/events	Queue	jms/events	/D:/Oracle10gAS/j2ee/home/persistence/scheduler_events		
jms/jobstore	Queue	jms/jobstore	/D:/Oracle10gAS/j2ee/home/persistence/scheduler_jobstore		
jms/notifications	Queue	jms/notifications	/D:/Oracle10gAS/j2ee/home/persistence/scheduler_notifications		
jms/Oc4jJmsExceptionQueue	Queue	jms/Oc4jJmsExceptionQueue	/D:/Oracle10gAS/j2ee/home/persistence/Oc4jJmsExceptionQueue		
jms/OracleSyndicateQueue	Queue	jms/OracleSyndicateQueue			
jms/OracleUddiReplicationQueue	Queue	jms/OracleUddiReplicationQueue			
jms/RAExceptionQueue	Queue	jms/RAExceptionQueue			
OC4J Domain Queue	Queue	jms/oc4jDomain	/D:/Oracle10gAS/j2ee/home/persistence/oc4jDomain		
Sample Queue	Queue	jms/sampleQueue			
Sample Topic	Topic	jms/sampleTopic			
Home Destinations Connection Factories Administration					

5. The following screen is displayed.

- ✓ Select the Destination Type as "Queue".
- ✓ Enter the Destination Name as "NOTIFY_DEST_QUEUE".
- ✓ Enter a description.
- ✓ Enter the JNDI Location as "NOTIFY_DEST_QUEUE".
- ✓ Enter the Persistence File name as "NOTIFY_DEST_QUEUE".
- ✓ Click OK.

[Cluster Topology](#) > [Application Server: oracle.cvrhp1456.i-flex.com](#) > [OC4J: home](#) > [OracleAS JMS](#) >

Add Destination

[Cancel](#) [OK](#)

Destinations (queues or topics) can be added to the OracleAS JMS server.

Destination Type:

* Destination Name:

Description:

* JNDI Location:

Persistence File:

Path name of the file that serves as the persistent message store for this destination. If a relative path is specified, it is assumed to be relative to the jms persistence directory.

[Cancel](#) [OK](#)

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

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6. The following screen is displayed.

- ✓ NOTIFY_DEST_QUEUE has been created

OracleAS JMS

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Home Destinations Connection Factories Administration					
Create New					
Name ▲	Type	JNDI Location	Persistence File	Monitor Performance	Delete
Demo Queue	Queue	jms/demoQueue			
Demo Topic	Topic	jms/demoTopic			
jms/events	Queue	jms/events	/D:/Oracle10gAS/j2ee/home/persistence/home_default_group_1/scheduler_events		
jms/jobstore	Queue	jms/jobstore	/D:/Oracle10gAS/j2ee/home/persistence/home_default_group_1/scheduler_jobstore		
jms/notifications	Queue	jms/notifications	/D:/Oracle10gAS/j2ee/home/persistence/home_default_group_1/scheduler_notifications		
jms/Oc4jJmsExceptionQueue	Queue	jms/Oc4jJmsExceptionQueue	/D:/Oracle10gAS/j2ee/home/persistence/home_default_group_1/Oc4jJmsExceptionQueue		
jms/OracleSyndicateQueue	Queue	jms/OracleSyndicateQueue			
jms/OracleUddiReplicationQueue	Queue	jms/OracleUddiReplicationQueue			
jms/RAExceptionQueue	Queue	jms/RAExceptionQueue			
NOTIFY_DEST_QUEUE	Queue	NOTIFY_DEST_QUEUE	/D:/Oracle10gAS/j2ee/home/persistence/home_default_group_1/NOTIFY_DEST_QUEUE		
OC4J Domain Queue	Queue	jms/oc4jDomain	/D:/Oracle10gAS/j2ee/home/persistence/home_default_group_1/oc4jDomain		
Home Destinations Connection Factories Administration					

7. Create Connection Factories:

- ✓ Click on Administration → JMS Providers → Connection Factories
- ✓ The following screen is displayed.
- ✓ Click on “Create New”.

The screenshot shows the Oracle Enterprise Manager 10g Application Server Control interface. The top navigation bar includes links for Setup, Logs, Help, and Logout. Below the navigation bar, the breadcrumb trail shows OC4J: home > OracleAS JMS. The main content area displays the 'Connection Factories' tab, which is highlighted. A 'Create New' button is visible in the top right corner of the table. The table lists three connection factories: 'queue' (JNDI Location: jms/OracleSyndicateQueueConnectionFactory), 'queue' (JNDI Location: jms/OracleUddiReplicationQueueConnectionFactory), and 'unified' (JNDI Location: jms/sampleConnectionFactory). Each row has an 'Edit Properties' icon and a 'Delete' icon. The bottom of the page shows the copyright notice: Copyright © 1996, 2005, Oracle. All rights reserved.

Domain	JNDI Location ▲	Edit Properties	Delete
queue	jms/OracleSyndicateQueueConnectionFactory		
queue	jms/OracleUddiReplicationQueueConnectionFactory		
unified	jms/sampleConnectionFactory		

8. We get the following screen.

Create an XA enabled Queue Connection factory (QCF).

- ✓ Select the Connection Factory Type as “Queue”.
- ✓ Enter the JNDI name as “ADOGL_MDBQCF”.
- ✓ Check the “XA Enabled” check box
- ✓ Click OK.

[Cluster Topology](#) > [Application Server: oracle.cvrhp1456.i-flex.com](#) > [OC4J: home](#) > [OracleAS JMS](#) >

Add Connection Factory

[Cancel](#) [OK](#)

New connection factories can be added to the OracleAS JMS server.

Connection Factory Type	<input type="text" value="Queue"/>
* JNDI Location	<input type="text" value="ADOGL_MDBQCF"/>
Host	<input type="text"/>
	<small>If not specified, this connection factory will use the host that's configured for the OracleAS JMS server.</small>
Port	<input type="text"/>
	<small>If not specified, this connection factory will use the port that's configured for the OracleAS JMS server.</small>
Client Identifier	<input type="text"/>
	<small>Used to identify connections created from this connection factory. Used only for durable subscriptions on topics.</small>
	<input checked="" type="checkbox"/> XA Enabled
	<small>Turn this on if this connection factory will support distributed transactions</small>



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