

Oracle FLEXCUBE Direct Banking

JMS Queue Creation On
Weblogic Application Server
Release 12.0.2.0.0

Part No. E50108-01

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ORACLE®

JMS Queue Creation On Weblogic Application Server
September 2013

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Contents

1. PREFACE	4
1.1. INTENDED AUDIENCE	4
1.2. DOCUMENTATION ACCESSIBILITY.....	4
1.3. ACCESS TO OFSS SUPPORT	4
1.4. STRUCTURE	4
1.5. Related Information Sources.....	4
2. ABBREVIATIONS	5
3. PRE- REQUISITES	6
4. APPLICATION SERVER CONFIGURATION	7
4.1. CREATING AND CONFIGURING JMS SERVER	7
4.1.1. <i>Creating a JMS Server</i>	7
4.1.2. <i>Creating and Configuring JMS Module</i>	16
4.1.3. <i>Creating a Sub deployment</i>	21
4.1.4. <i>Creating Queue</i>	25
4.1.5. <i>Creating Queue Connection Factory</i>	29

1. Preface

1.1. Intended Audience

This document is primarily targeted at

- Oracle FLEXCUBE Direct Banking Development Teams
- Oracle FLEXCUBE Direct Banking Implementation Teams
- Oracle FLEXCUBE Direct Banking Implementation Partners

1.2. Documentation Accessibility

For information about Oracle's commitment to accessibility, visit the Oracle Accessibility Program website at <http://www.oracle.com/pls/topic/lookup?ctx=acc&id=docacc>.

1.3. Access to OFSS Support

<https://flexsupp.oracle.com/>

1.4. Structure

This manual is organized into the following categories:

Preface gives information on the intended audience. It also describes the overall structure of the User Manual

Application Server Configuration provides information on Creating a JMS Serve, configuring JMS Module, Creating a Sub deployment, Queue and Creating Queue Connection Factory.

1.5. Related Information Sources

For more information on Oracle FLEXCUBE Direct Banking Release 12.0.2.0.0, refer to the following documents:

- Oracle FLEXCUBE Direct Banking Licensing Guide

2. Abbreviations

FCDB	Oracle FLEXCUBE Direct Banking
Java EE / JEE	Java Enterprise Edition
Java SE / JSE	Java 2 Standard Edition
DBA	Database Administrator
JDK	Java Development Kit

3.Pre- requisites

1. All the software requirements mentioned in the sheet
"Oracle_FLEXCUBE_Direct_Banking_Software_Stack" must be installed.
2. Oracle FLEXCUBE Direct Banking application is installed successfully using Oracle FCDB
Installer.
3. Oracle Weblogic application Server is installed.

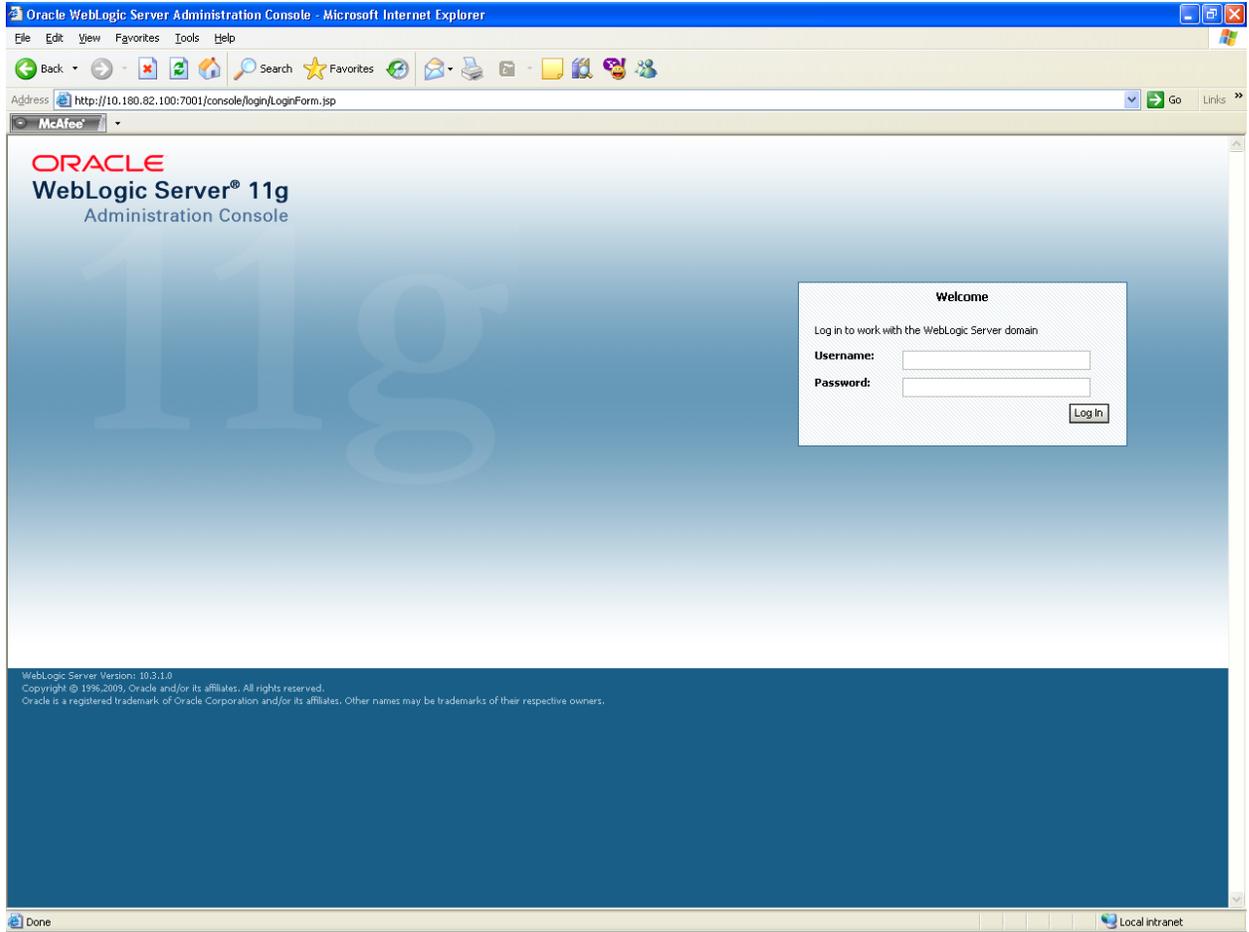
4.Application Server Configuration

4.1.Creating and Configuring JMS Server

4.1.1.Creating a JMS Server

Login to the Oracle Weblogic application server administration console:

Oracle FLEXCUBE Direct Banking JMS Queue creation On Weblogic



Oracle FLEXCUBE Direct Banking JMS Queue creation On Weblogic

Go to Services → Messaging → JMS Servers

Summary of JMS Servers - fcd_b_domain - WLS Console - Microsoft Internet Explorer

Address: http://10.180.82.100:7001/console/console.portal?_nfpb=true&_pageLabel=JmsServerJMSServerTablePage

ORACLE WebLogic Server Administration Console

Home Log Out Preferences Record Help Welcome, weblogic Connected to: fcd_b_domain

Change Center

View changes and restarts

Configuration editing is enabled. Future changes will automatically be activated as you modify, add or delete items in this domain.

Domain Structure

- fcd_b_domain
 - Environment
 - Deployments
 - Services
 - Messaging
 - JMS Servers**
 - Store-and-Forward Agents
 - JMS Modules
 - Path Services
 - Bridges
 - JDBC
 - Persistent Stores
 - Foreign JNDI Providers
 - Work Contexts

How do I...

- Configure JMS servers
- Configure JMS system modules

System Status

Health of Running Servers

- Failed (0)
- Critical (0)
- Overloaded (0)
- Warning (0)
- OK (2)

Summary of JMS Servers

JMS servers act as management containers for the queues and topics in JMS modules that are targeted to them. This page summarizes the JMS servers that have been created in the current WebLogic Server domain.

Customize this table

JMS Servers (Filtered - More Columns Exist)

New Delete Showing 0 to 0 of 0 Previous | Next

<input type="checkbox"/>	Name	Persistent Store	Target	Current Server	Health
There are no items to display					

New Delete Showing 0 to 0 of 0 Previous | Next

WebLogic Server Version: 10.3.1.0
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Done Local Intranet

Oracle FLEXCUBE Direct Banking JMS Queue creation On Weblogic

Enter name as FCDBJMSServer

The screenshot displays the Oracle WebLogic Server Administration Console interface. The main content area is titled "Create a New JMS Server" and contains the following elements:

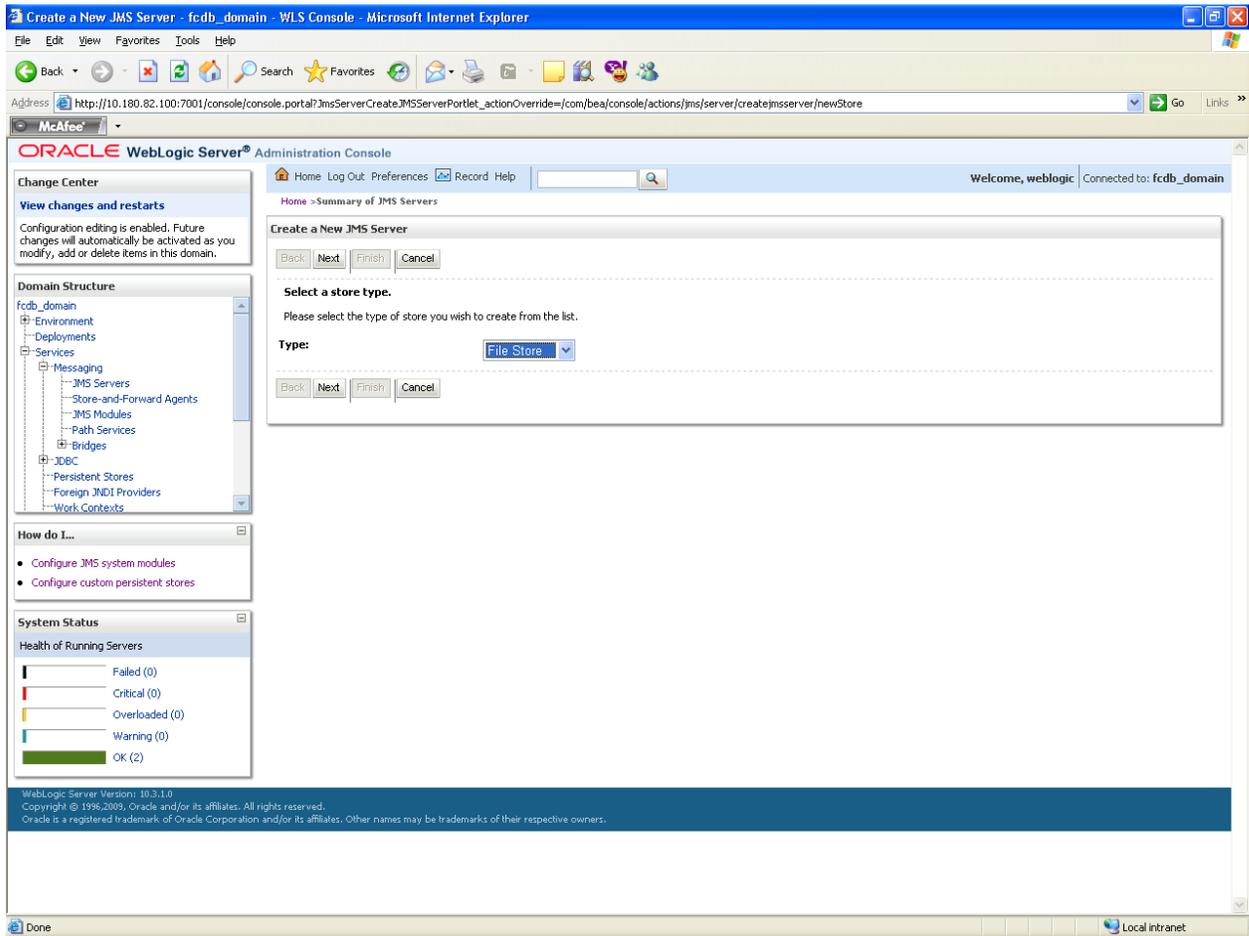
- Navigation:** Buttons for "Back", "Next", "Finish", and "Cancel".
- JMS Server Properties:** A section stating "The following properties will be used to identify your new JMS Server." with a note that an asterisk (*) indicates required fields.
- Name:** A text input field labeled "Name:" containing the value "FCDBJMSServer".
- Persistent Store:** A dropdown menu labeled "Persistent Store:" with "(none)" selected and a "Create a New Store" link.
- Navigation:** Buttons for "Back", "Next", "Finish", and "Cancel" at the bottom of the form.

On the left side of the console, there is a "Domain Structure" tree showing the hierarchy: fcdb_domain > Environment > Deployments > Services > Messaging > JMS Servers. Below this is a "System Status" section showing the health of running servers: Failed (0), Critical (0), Overloaded (0), Warning (0), and OK (2).

At the bottom of the console, there is a footer with the text: "WebLogic Server Version: 10.3.1.0. Copyright © 1996-2009, Oracle and/or its affiliates. All rights reserved. Oracle is a registered trademark of Oracle Corporation and/or its affiliates. Other names may be trademarks of their respective owners."

Click on the button “Create a New Store”

Select the option “File Store”



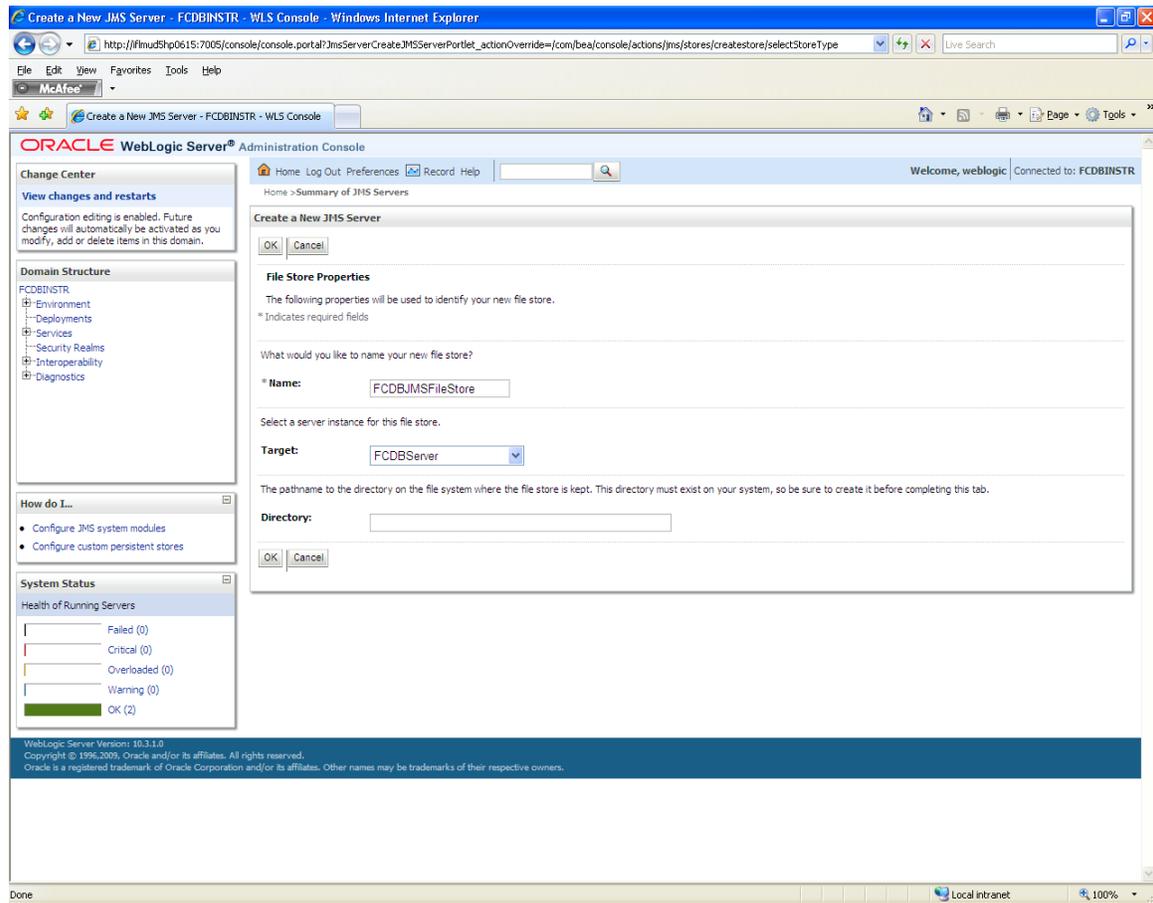
Oracle FLEXCUBE Direct Banking JMS Queue creation On Weblogic

Click on “Next”

On the next screen, enter Name as “FCDBJMSFileStore”

Select target as “FCDBServer”

Enter Directory as a valid directory on the server



Oracle FLEXCUBE Direct Banking JMS Queue creation On Weblogic

Click on OK

The screenshot displays the Oracle WebLogic Server Administration Console interface. The main content area shows the 'Create a New JMS Server' wizard. The wizard has completed its steps, and the 'Finish' button is highlighted. A message box indicates: 'All changes have been activated. No restarts are necessary.' and 'File store created successfully.' The 'JMS Server Properties' section shows the 'Name' field set to 'FCDBJMSServer' and the 'Persistent Store' dropdown set to 'FCDBJMSFileStore'. The 'System Status' section on the left shows the health of running servers, with 2 servers in an 'OK' state. The bottom of the console displays the version information: 'WebLogic Server Version: 10.3.1.0'.

Oracle FLEXCUBE Direct Banking JMS Queue creation On Weblogic

Click on Next

The screenshot displays the Oracle WebLogic Server Administration Console interface. The main content area shows the 'Create a New JMS Server' wizard. The 'Select targets' step is active, with a dropdown menu showing 'FCDBServer' as the selected target. The wizard includes 'Back', 'Next', 'Finish', and 'Cancel' buttons. The left sidebar contains several panels: 'Change Center', 'Domain Structure' (showing a tree view of the domain), 'How do I...?' (with links to configuration guides), and 'System Status' (showing health indicators for running servers, with 2 servers in 'OK' status). The top navigation bar includes 'Home', 'Log Out', 'Preferences', 'Record', and 'Help'. The bottom status bar shows 'Done' and 'Local intranet'.

Select target as “FCDBServer”

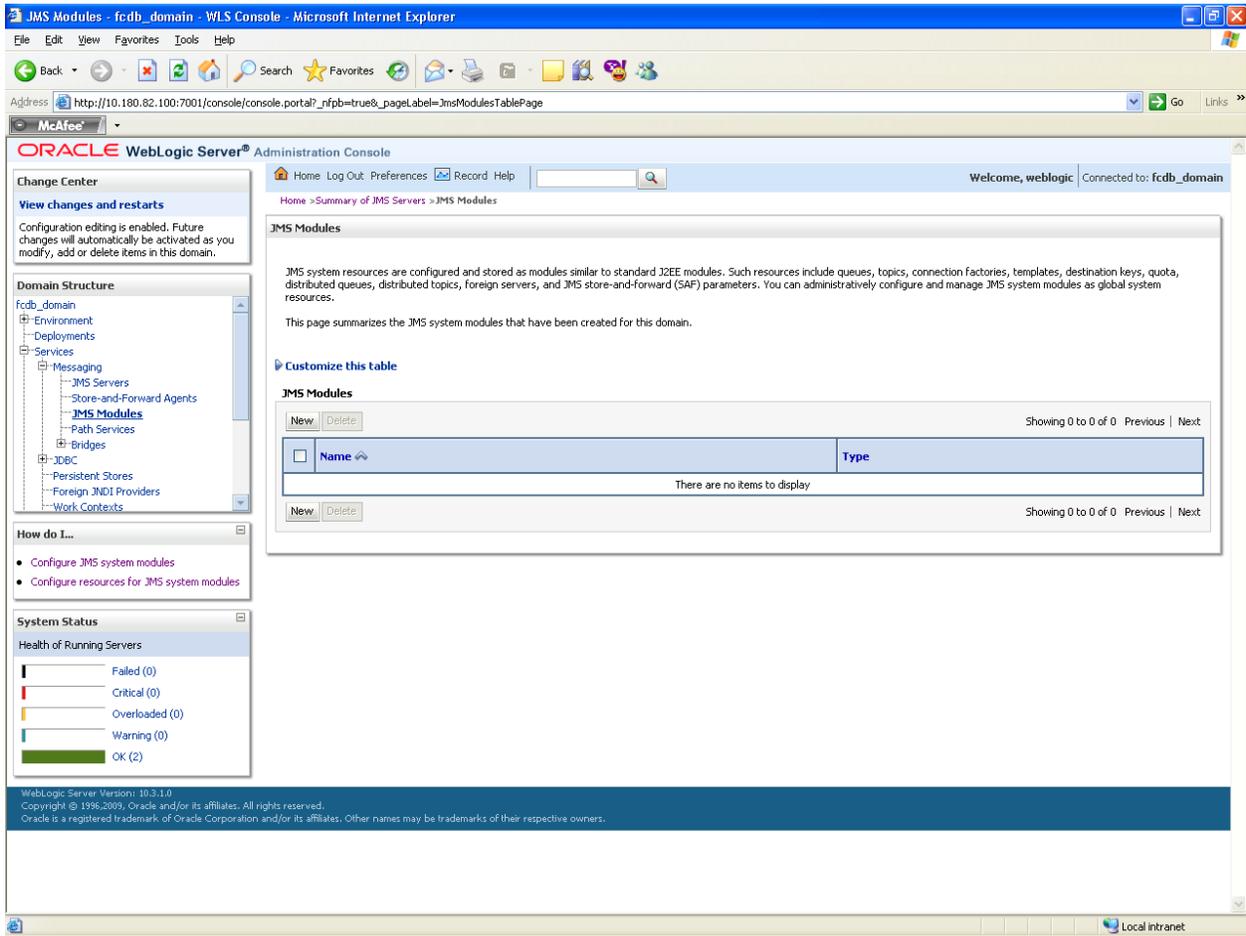
Click on Finish

The screenshot shows the Oracle WebLogic Administration Console interface. The main content area is titled "Summary of JMS Servers". It includes a "Messages" section with two green checkmarks indicating successful configuration. Below this is a table of JMS Servers. The table has columns for Name, Persistent Store, Target, Current Server, and Health. One server is listed: FCDBJMServer, with a Persistent Store of FCDBJMSFileStore, a Target of AdminServer, and a Current Server of AdminServer. The Health status is OK.

Name	Persistent Store	Target	Current Server	Health
FCDBJMServer	FCDBJMSFileStore	AdminServer	AdminServer	OK

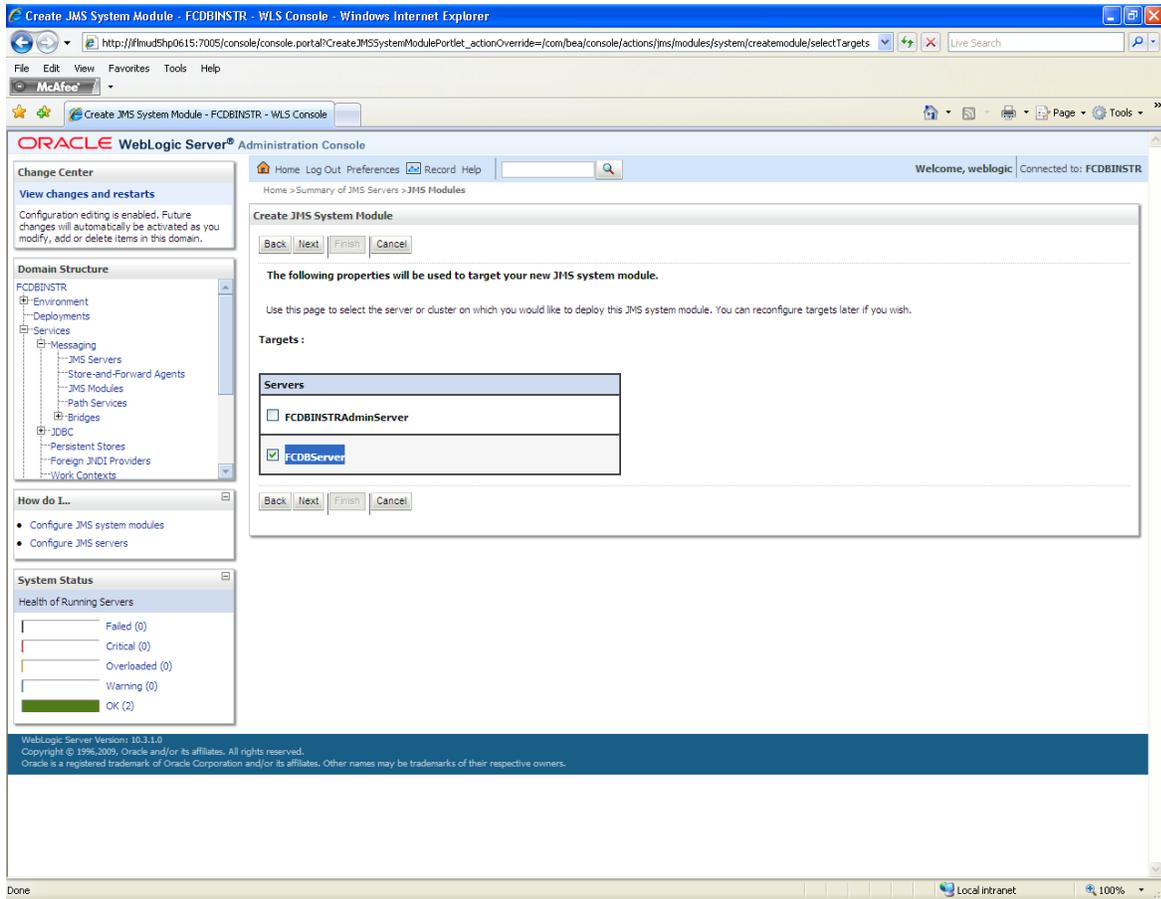
4.1.2. Creating and Configuring JMS Module

In the left menu, go to Services → Messaging → JMS Modules



Click on “Next”

Select target as “FCDBServer”



Click on Next

The screenshot shows the Oracle WebLogic Server Administration Console in a Microsoft Internet Explorer browser window. The browser's address bar shows the URL: `http://10.180.82.100:7001/console/console.portal?CreateJMSSystemModulePortlet_actionOverride=/com/bea/console/actions/jms/modules/system/createmodule/newResource`. The console interface includes a navigation menu on the left with sections like 'Change Center', 'Domain Structure', 'How do I...', and 'System Status'. The main content area is titled 'Create JMS System Module' and contains a 'Next' button that is highlighted in blue. Below the 'Next' button, there is a section titled 'Add resources to this JMS system module' with a checkbox labeled 'Would you like to add resources to this JMS system module?' which is currently unchecked. The console footer displays 'WebLogic Server Version: 10.3.1.0' and copyright information.

Click on “Finish”

The screenshot shows the Oracle WebLogic Server Administration Console interface. The browser address bar indicates the URL: `http://10.180.82.100:7001/console/console.portal?_nfpb=true&_pageLabel=JmsModulesTabPage`. The console title is "ORACLE WebLogic Server Administration Console".

On the left sidebar, the "Domain Structure" tree is expanded to "JMS Modules". Below it, the "System Status" section shows the health of running servers: Failed (0), Critical (0), Overloaded (0), Warning (0), and OK (2).

The main content area displays a "Messages" section with two green checkmarks:

- All changes have been activated. No restarts are necessary.
- The JMS module was created successfully.

Below the messages is the "JMS Modules" section, which includes a table titled "JMS Modules". The table has columns for "Name" and "Type".

Name	Type
FCDBJMSModule	System

At the bottom of the console, the version information is displayed: "WebLogic Server Version: 10.3.1.0. Copyright © 1996-2009, Oracle and/or its affiliates. All rights reserved. Oracle is a registered trademark of Oracle Corporation and/or its affiliates. Other names may be trademarks of their respective owners."

4.1.3. Creating a Sub deployment

Click on the FCDBJMSModule created above

The screenshot displays the Oracle WebLogic Server Administration Console interface. The browser window title is "Settings for FCDBJMSModule - fcdb_domain - WLS Console - Microsoft Internet Explorer". The console shows the "Settings for FCDBJMSModule" page with tabs for Configuration, Subdeployments, Targets, Security, and Notes. The "Configuration" tab is active, showing the following details:

- Name:** FCDBJMSModule (The name of this JMS system module. [More Info...](#))
- Descriptor File Name:** jms/fcdbjmsmodule-jms.xml (The name of the JMS module descriptor file. [More Info...](#))

Below the configuration details is a "Summary of Resources" section with a table. The table is currently empty, displaying "Showing 0 to 0 of 0" and "There are no items to display".

Name	Type	JNDI Name	Subdeployment	Targets
There are no items to display				

The left-hand navigation pane shows the "Domain Structure" tree with "fcdb_domain" expanded to "JMS Modules". The "System Status" section at the bottom left shows the health of running servers: Failed (0), Critical (0), Overloaded (0), Warning (0), and OK (2).

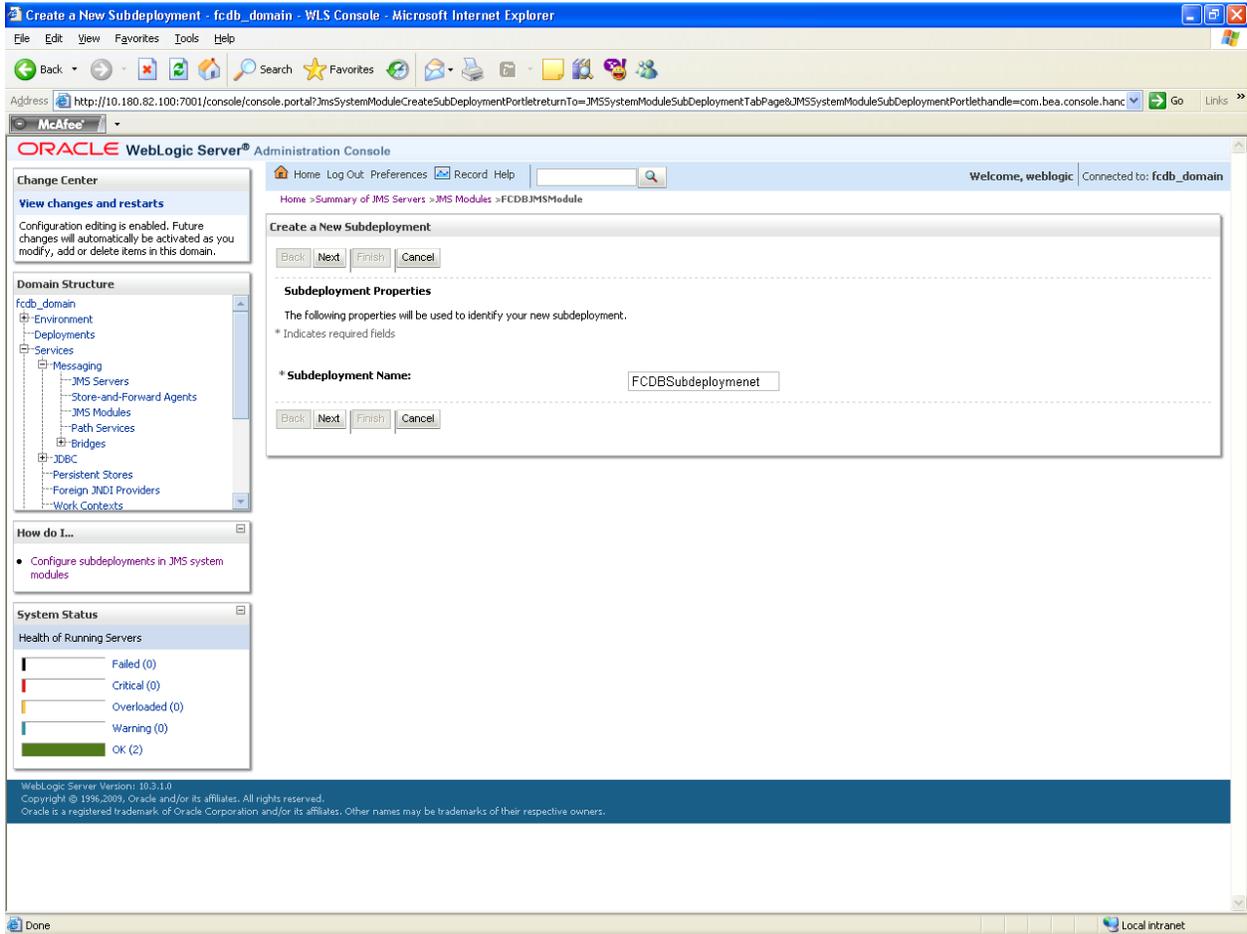
Oracle FLEXCUBE Direct Banking JMS Queue creation On Weblogic

Click on “Subdeployments” tab

The screenshot shows the Oracle WebLogic Server Administration Console interface. The browser window title is "Settings for FCDBJMSModule - fcdb_domain - WLS Console - Microsoft Internet Explorer". The address bar shows the URL: http://10.180.82.100:7001/console/console.portal?_nfpb=true&_pageLabel=JMSSystemModuleSubDeploymentTabPage&handle=com.bea.console.handlers.JMSHandle%28%22com.bea%3AName%3DFCDBJMSModule%2CTy. The page title is "ORACLE WebLogic Server Administration Console". The user is logged in as "weblogic" and is connected to the "fcdb_domain". The breadcrumb navigation is "Home > Summary of JMS Servers > JMS Modules > FCDBJMSModule". The "Settings for FCDBJMSModule" page has tabs for "Configuration", "Subdeployments", "Targets", "Security", and "Notes". The "Subdeployments" tab is active. A text block explains: "This page displays subdeployments created for a JMS system module. A subdeployment is a mechanism by which JMS module resources (such as queues, topics, and connection factories) are grouped and targeted to a server resource (such as JMS servers, server instances, or cluster)." Below this is a "Subdeployments" table with columns "Name", "Resources", and "Targets". The table is empty, showing "Showing 0 to 0 of 0" and "There are no items to display". On the left side, there is a "Domain Structure" tree showing the hierarchy: fcdb_domain > Environment > Deployments > Services > Messaging > JMS Servers > Store-and-Forward Agents > JMS Modules > Path Services > Bridges > JDBC > Persistent Stores > Foreign JNDI Providers > Work Contexts. There are also sections for "How do I..." and "System Status" showing "Health of Running Servers" with 2 OK, 0 Failed, 0 Critical, 0 Overloaded, and 0 Warning.

Click on “New“

Enter the name of sub deployment as FCDBSubdeployment



Click on “Next”

Select target as FCDBJMSServer created above

Click on “Finish”

The screenshot shows the Oracle WebLogic Server Administration Console interface. The browser title is "Settings for FCDBJMSServer - fcd_b_domain - WLS Console - Microsoft Internet Explorer". The address bar shows the URL: http://10.180.82.100:7001/console/console.portal?_nfpb=true&_pageLabel=JMSSystemModuleSubDeploymentTabPage. The console displays a "Messages" section with two green checkmarks: "All changes have been activated. No restarts are necessary." and "Subdeployment created successfully." Below this is the "Settings for FCDBJMSServer" page, with the "Subdeployments" tab selected. A table lists the subdeployments:

Name	Resources	Targets
FCDBSubdeployment		AdminServer

The table shows 1 of 1 items. The console also includes a "Domain Structure" tree on the left, a "System Status" section at the bottom left, and a footer with version information: "WebLogic Server Version: 10.3.1.0".

Click on “New”

Select the option “Queue”

Click on “Next”

The screenshot shows the Oracle WebLogic Administration Console interface. The browser address bar indicates the URL: `http://10.180.82.100:7001/console/console.portal?_nfpb=true&_pageLabel=JmsCreateSystemModuleEntity&JmsCreateSystemModuleEntityPortletcurrentModule=FCDBJMSModule&JmsCreateSystemModuleEntityPortlet_active`. The console title is "ORACLE WebLogic Server Administration Console".

The main content area is titled "Create a New JMS System Module Resource". It features a breadcrumb trail: `Home > Summary of JMS Servers > JMS Modules > FCDBJMSModule > JMS Modules > FCDBJMSModule`. Below the breadcrumb, there are navigation buttons: "Back", "Next", "Finish", and "Cancel".

The central instruction reads: "Choose the type of resource you want to create." Below this, a paragraph explains: "Use these pages to create resources in a JMS system module, such as queues, topics, templates, and connection factories. Depending on the type of resource you select, you are prompted to enter basic information for creating the resource. For targetable resources, like stand-alone queues and topics, connection factories, distributed queues and topics, foreign servers, and JMS SAF destinations, you can also proceed to targeting pages for selecting appropriate server targets. You can also associate targetable resources with subdeployments, which is an advanced mechanism for grouping JMS module resources and the members to server resources."

A list of resource types is displayed, each with a radio button and a brief description:

- Connection Factory: Defines a set of connection configuration parameters that are used to create connections for JMS clients. [More Info...](#)
- Queue: Defines a point-to-point destination type, which are used for asynchronous peer communications. A message delivered to a queue is distributed to only one consumer. [More Info...](#)
- Topic: Defines a publish/subscribe destination type, which are used for asynchronous peer communications. A message delivered to a topic is distributed to all topic consumers. [More Info...](#)
- 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 clients. [More Info...](#)
- Distributed Topic: Defines a set of topics that are distributed on multiple JMS servers, but which are accessible as a single, logical topic to JMS clients. [More Info...](#)
- Foreign Server: Defines foreign messaging providers or remote WebLogic Server instances that are not part of the current domain. [More Info...](#)
- Quota: Controls the allotment of system resources available to destinations. [More Info...](#)
- Destination Sort Key: Defines a unique sort order that destinations can apply to arriving messages. [More Info...](#)
- JMS Template: Defines a set of default configuration settings for multiple destinations. [More Info...](#)
- 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 cluster that is imported into the local cluster or server instance, so that the local server instance or cluster can send messages to the remote server instance or cluster. [More Info...](#)

On the left side, there is a "Domain Structure" tree showing the hierarchy: `fcdb_domain > Environment > Deployments > Services > Messaging > JMS Servers`. Below the tree is a "How do I..." section with links like "Configure quotas for destinations" and "Configure JMS templates". At the bottom left, the "System Status" section shows "Health of Running Servers" with indicators for Failed (0), Critical (0), Overloaded (0), and Warning (0).

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Provide, queue name, JNDI name and keep template as "None"

The screenshot displays the Oracle WebLogic Server Administration Console interface. The main content area shows the 'Create a New JMS System Module Resource' wizard. The 'JMS Destination Properties' section is active, and the following fields are filled:

- Name:** UPLOAD
- JNDI Name:** UPLOAD
- Template:** None

The left sidebar contains the 'Domain Structure' tree, showing the hierarchy from 'fcdb_domain' down to 'JMS Modules'. Below the tree is the 'How do I...' section with a list of configuration tasks, and the 'System Status' section showing the health of running servers.

Oracle FLEXCUBE Direct Banking JMS Queue creation On Weblogic

Click on Next

Select the sub deployment as FCDBsubdeployment created earlier

Select target as FCDBJMSServer created earlier

Click on Finish

The screenshot shows the Oracle WebLogic Server Administration Console interface. The browser address bar indicates the URL: `http://10.180.82.100:7001/console/console.portal?_nfpb=true&_pageLabel=JMSSystemModuleConfigGeneralPage&handle=com.bea.console.handlers.JMXHandle%28%22com.bea%3AName%3DFCDBJMSModule%2CType%`. The console title is "Settings for FCDBJMSModule - fcdb_domain - WLS Console - Microsoft Internet Explorer".

The main content area is titled "Settings for FCDBJMSModule" and includes tabs for Configuration, Subdeployments, Targets, Security, and Notes. The "Configuration" tab is active, showing the following details:

- Name:** FCDBJMSModule
- Descriptor File Name:** jms/fcdbhjmsmodule-jms.xml

Below the configuration details is a "Summary of Resources" table:

Name	Type	JNDI Name	Subdeployment	Targets
UPLOAD	Queue	UPLOAD	FCDBSubdeploymentnet	FCDBJMSServer

The console also features a "Domain Structure" tree on the left, a "How do I..." section with links to configuration guides, and a "System Status" section showing the health of running servers (OK: 1).

4.1.5. Creating Queue Connection Factory

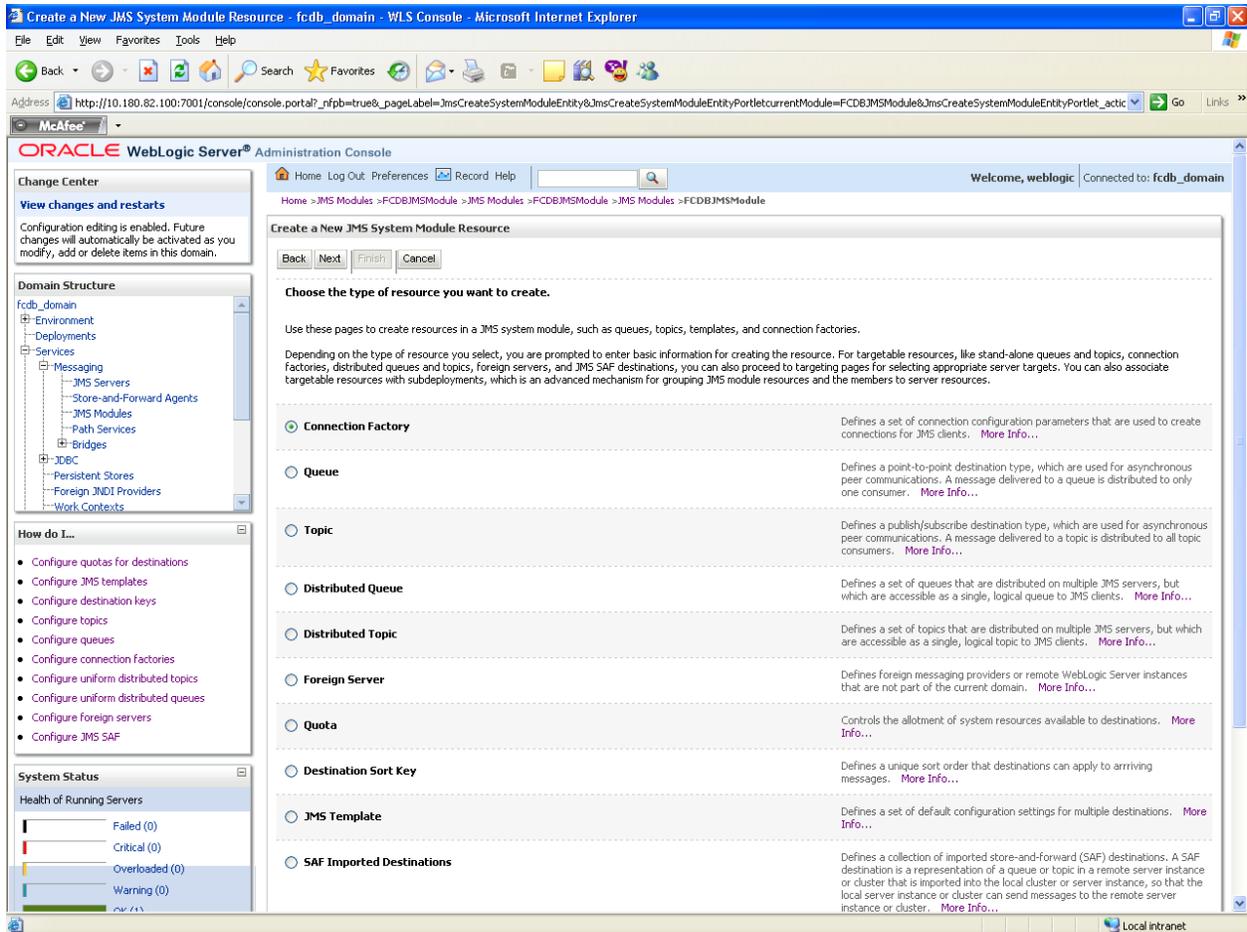
In the left menu go to Services → Messaging → JMS Modules

Click on the FCDBJMSModule created earlier

Click on “New”

Select the option “Connection Factory”

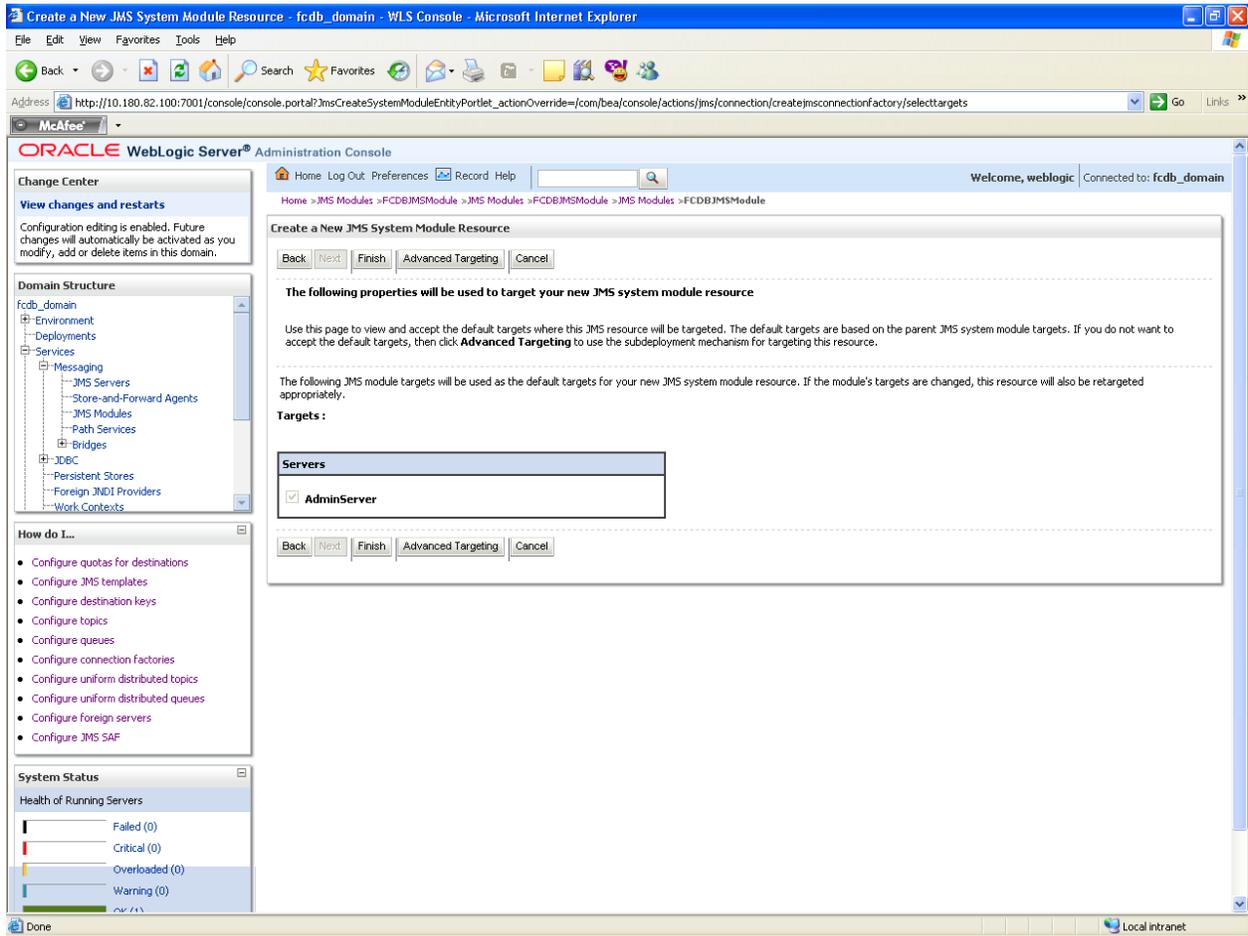
Click on “Next”



Enter Queue Connection Factory name and JNDI name

The screenshot displays the Oracle WebLogic Server Administration Console interface. The main window is titled "Create a New JMS System Module Resource" and is part of a wizard. The "Name" field is set to "FCDBBQCF" and the "JNDI Name" field is also set to "FCDBBQCF". The "Subscription Sharing Policy" is set to "Exclusive" and the "Client ID Policy" is set to "Restricted". The "Maximum Messages per Session" is set to "10". The "XA Connection Factory Enabled" checkbox is checked. The left sidebar shows the "Domain Structure" tree with "FCDB1201" selected, and the "System Status" section showing the health of running servers.

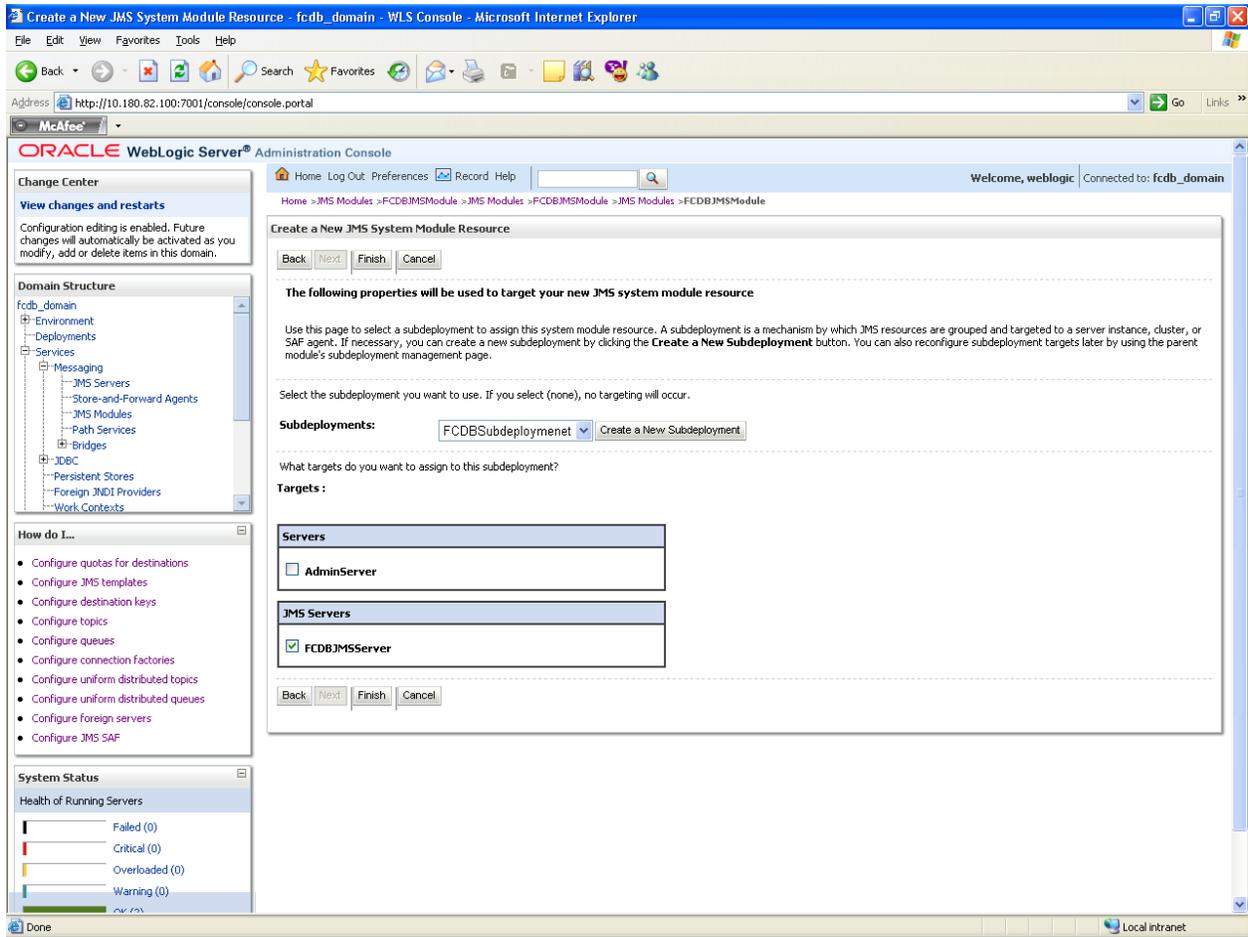
Click on “Next”



Click on “Advanced Targetting”

Select the sub deployment as FCDBSubdeployment created earlier

Select the target as FCDBJMSServer created earlier



Click on “Finish”

Settings for FCDBJMSModule - fcdb_domain - WLS Console - Microsoft Internet Explorer

Address: http://10.180.82.100:7001/console/console.portal?_nfpb=true&_pageLabel=JMSSystemModuleConfigGeneralPage

ORACLE WebLogic Server Administration Console

Home Log Out Preferences Record Help Welcome, weblogic Connected to: fcdb_domain

Home > JMS Modules > FCDBJMSModule > JMS Modules > FCDBJMSModule > JMS Modules > FCDBJMSModule

Messages

- ✓ All changes have been activated. No restarts are necessary.
- ✓ Connection factory created successfully.

Settings for FCDBJMSModule

Configuration Subdeployments Targets Security Notes

This page displays general information about a JMS system module and its resources. It also allows you to configure new resources and access existing resources.

Name: FCDBJMSModule The name of this JMS system module. [More Info...](#)

Descriptor File Name: jms/fcdbjmsmodule-jms.xml The name of the JMS module descriptor file. [More Info...](#)

This page summarizes the JMS resources that have been created for this JMS system module, including queue and topic destinations, connection factories, JMS templates, destination sort keys, destination quota, distributed destinations, foreign servers, and store-and-forward parameters.

Customize this table

Summary of Resources

New Delete Showing 1 to 2 of 2 Previous Next

<input type="checkbox"/>	Name	Type	JNDI Name	Subdeployment	Targets
<input type="checkbox"/>	FCDBQCF	Connection Factory	FCDBQCF	FCDBSubdeploymentet	FCDBJMSServer
<input type="checkbox"/>	UPLOAD	Queue	UPLOAD	FCDBSubdeploymentet	FCDBJMSServer

New Delete Showing 1 to 2 of 2 Previous Next

WebLogic Server Version: 10.3.1.0
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Local Intranet

Click on the connection factory FCDBQCF

The screenshot displays the Oracle WebLogic Server Administration Console in a Microsoft Internet Explorer browser window. The address bar shows the URL: `http://10.180.82.100:7001/console/console.portal?_nfpb=true&_pageLabel=JMSConnectionFactorygeneralTabPage&handle=com.bea.console.handlers.JMHandle%28%22com.bea%3AName%3DFCDBQCF%2CType%3Dwe`. The page title is "Settings for FCDBQCF - fcdb_domain - WLS Console - Microsoft Internet Explorer".

The main content area is titled "Settings for FCDBQCF" and includes a navigation breadcrumb: `Home > JMS Modules > FCDBJMSModule > JMS Modules > FCDBJMSModule > JMS Modules > FCDBJMSModule > FCDBQCF`. The "Configuration" tab is selected, with sub-tabs for "General", "Default Delivery", "Client", "Transactions", "Flow Control", "Load Balance", and "Security". The "General" sub-tab is active, showing a "Save" button at the top left.

The configuration page contains the following fields and options:

- Name:** FCDBQCF. Description: The name of this JMS connection factory. [More Info...](#)
- JNDI Name:** FCDBQCF. Description: The global JNDI name used to look up a connection factory within a clustered JNDI namespace. [More Info...](#)
- Default Targeting Enabled:** . Description: Specifies whether this JMS resource defaults to the parent module's targeting or uses the subdeployment targeting mechanism. [More Info...](#)

Below the configuration fields is an "Advanced" section with a "Save" button.

The left sidebar contains several panels:

- Change Center:** View changes and restarts. Configuration editing is enabled. Future changes will automatically be activated as you modify, add or delete items in this domain.
- Domain Structure:** A tree view showing the hierarchy: `fcdb_domain > Environment > Deployments > Services > Messaging > JMS Servers > Store-and-Forward Agents > JMS Modules > Path Services > Bridges > JDBC > Persistent Stores > Foreign JNDI Providers > Work Contexts`.
- How do I...:** A list of tasks, including "Configure connection factories".
- System Status:** Health of Running Servers. A bar chart shows the status of 2 servers: 2 are OK (green), 0 are Failed (red), 0 are Critical (orange), 0 are Overloaded (yellow), and 0 are Warning (blue).

At the bottom of the console, the version information is displayed: "WebLogic Server Version: 10.3.1.0. Copyright © 1996-2009, Oracle and/or its affiliates. All rights reserved. Oracle is a registered trademark of Oracle Corporation and/or its affiliates. Other names may be trademarks of their respective owners."

Oracle FLEXCUBE Direct Banking JMS Queue creation On Weblogic

Click on the tab “Transactions”

Select the check box “XA Connection Factory Enabled”

The screenshot displays the Oracle WebLogic Server Administration Console interface. The browser address bar shows the URL: `http://10.180.82.100:7001/console/console.portal?_nfpb=true&_pageLabel=JMSConnectionFactorytransactionparamsTabPage&handle=com.bea.console.handlers.JMXHandle%28%22com.bea%3AName%3DFCDBQCF%2CT`. The console title is "Settings for FCDBQCF - fcdb_domain - WLS Console - Microsoft Internet Explorer".

The main content area is titled "Settings for FCDBQCF" and includes a breadcrumb trail: `Home > JMS Modules > FCDBJMSModule > JMS Modules > FCDBJMSModule > JMS Modules > FCDBJMSModule > FCDBQCF`. Below the breadcrumb, there are tabs for "Configuration", "Subdeployment", and "Notes". Under the "Configuration" tab, there are sub-tabs: "General", "Default Delivery", "Client", "Transactions", "Flow Control", "Load Balance", and "Security". The "Transactions" sub-tab is currently selected.

The "Transactions" configuration page contains the following elements:

- A "Save" button at the top left.
- A descriptive paragraph: "Use this page to define the transaction configuration for this JMS connection factory. You can define a transaction time-out value, and also indicate whether an XA queue or XA topic connection factory is returned, which create sessions that are JTA user-transaction aware."
- A "Transaction Timeout:" field with a value of "3600". A note states: "The timeout value (in seconds) for all transactions on connections created with this connection factory. [More Info...](#)"
- A checked checkbox labeled "XA Connection Factory Enabled". A note states: "Indicates whether a XA queue or XA topic connection factory is returned, instead of a queue or topic connection factory. An XA connection factory can be used to create an XAConnection, which in turn may be used to create an XASession, which in turn may be used to obtain an XAResource for use inside a transaction manager. [More Info...](#)"
- A "Save" button at the bottom left.

On the left side of the console, there are several panels:

- Change Center:** "View changes and restarts" section with a note: "Configuration editing is enabled. Future changes will automatically be activated as you modify, add or delete items in this domain."
- Domain Structure:** A tree view showing the hierarchy: `fcdb_domain > Environment > Deployments > Services > Messaging > JMS Servers > Store-and-Forward Agents > JMS Modules > Path Services > Bridges`.
- How do I...:** A list with one item: "Configure connection factories".
- System Status:** "Health of Running Servers" section showing: Failed (0), Critical (0), Overloaded (0), Warning (0), and OK (2).

At the bottom of the console, there is a footer with the text: "WebLogic Server Version: 103.1.0. Copyright © 1995-2009, Oracle and/or its affiliates. All rights reserved. Oracle is a registered trademark of Oracle Corporation and/or its affiliates. Other names may be trademarks of their respective owners."

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Click on Save

The screenshot displays the Oracle WebLogic Server Administration Console in a Microsoft Internet Explorer browser window. The address bar shows the URL: `http://10.180.82.100:7001/console/console.portal?_nfpb=true&_pageLabel=JMSConnectionFactorytransactionparamsTabPage&handle=com.bea.console.handlers.JMXHandle%28%22com.bea%3AName%3DFCDBQCF%2CT`. The page title is "Settings for FCDBQCF - fcd_b_domain - WLS Console - Microsoft Internet Explorer".

The console interface includes a navigation menu on the left with sections like "Change Center", "Domain Structure", "How do I...", and "System Status". The "Domain Structure" shows a tree view with "Messaging" expanded to "JMS Modules" and "FCDBQCF" selected.

The main content area is titled "Settings for FCDBQCF" and has tabs for "Configuration", "Subdeployment", and "Notes". The "Configuration" tab is active, with sub-tabs for "General", "Default Delivery", "Client", "Transactions", "Flow Control", "Load Balance", and "Security". The "Transactions" sub-tab is selected.

Messages at the top indicate: "All changes have been activated. No restarts are necessary." and "Settings updated successfully."

The "Transaction Timeout" field is set to 3600. Below it, the "XA Connection Factory Enabled" checkbox is checked. A "Save" button is visible at the bottom of the configuration section.

At the bottom of the console, the "System Status" section shows the health of running servers: Failed (0), Critical (0), Overloaded (0), Warning (0), and OK (2).

The footer of the console displays: "WebLogic Server Version: 103.1.0. Copyright © 1995-2009, Oracle and/or its affiliates. All rights reserved. Oracle is a registered trademark of Oracle Corporation and/or its affiliates. Other names may be trademarks of their respective owners."