

Oracle FLEXCUBE Direct Banking

Alert Notification Setup
Release 12.0.3.0.0

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Contents

Preface 1

Alerts Notification and Chase Cycle Setup 2

1. Timer Details 2

2. Messaging Queue Details 2

PROPERTIES : 9

Intended Audience

Oracle FLEXCUBE Direct Banking Alerts Notification Setup document in particular is targeted towards the following groups of users.

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

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Structure

This Alerts Notification Setup is organized into the following categories:

- *Preface* gives information on the intended audience. It also describes the overall structure of the Alerts Notification Setup
- *Alerts Notification and Chase Cycle Setup* describes the setup of the alert notification and chase configuration.

Related Information Sources

For more information on Oracle FLEXCUBE Direct Banking Release 12.0.3.0.0, refer to the following documents:

- Oracle FLEXCUBE Direct Banking Licensing Guide.
- Oracle FLEXCUBE Direct Banking User Manuals.

Alerts Notification and Chase Cycle Setup

1. Timer Details

Following timers are required for alert generation:

- ✓ **Chase Timer** (com.iflex.fcat.services.apps.chase.ChaseProcessingTimer)
The timer picks alerts from *userchasesstate* table and inserts into *alert_msg_queue* table.

- ✓ **ALERTNOTIFIER**(com.iflex.fcat.xjava.alerts.AlertNotificationMaster)
The timer picks messages from *alert_msg_queue* and calls necessary alert notifier class from generating email or sms alerts.

- ✓ **FCC Notification Timer**(com.iflex.fcat.timer.FCCNotificationTimer)
The timer picks alerts from *hostnotificationlog* table and calls required notification processor to generate host alerts.
 - The timer details should be configured in *msttimer* table.
 - The deployables required are
 - ✓ TimerBean.jar
 - ✓ Timer ResourceAdapter.rar
 - ✓ TransactionBean.jar
 - The properties required for timer are:
 - ✓ FNDI.TX1.java.naming.factory.initial=weblogic.jndi.WLInitialContextFactory
 - ✓ FNDI.TX1.java.naming.provider.url=t3://host_name:port_number

2. Messaging Queue Details

The JMS destination queue and connection factory are required to pick host alerts sent to FCDB via queue.

For this following steps need to be followed:

- 1.) Create a JMS Server.
- 2.) Create a JMS module.
- 3.) In JMS module create a Foreign Server. The target should be JMS server and not FCDB Server.

4.) Create a destination in the foreign server. The remote JNDI Name should be the queue name provided by UBS on which the Notification alerts will be sent by the HOST.

5.) Create a queue Connection factory. The remote JNDI Name should be the QCF name provided by HOST.

For above steps refer doc 'Oracle_FLEXCUBE_Direct_Banking_JMS_Queue_Creation_On_Weblogic'.

The deployable required is:

- ✓ NotificationMdb.jar

The screenshots are attached below:

1.)JMS server:

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)


Click the *Lock & Edit* button in the Change Center to activate all the buttons on this page.

Showing 1 to 1 of 1 Previous | Next

Name 	Persistent Store	Target	Current Server	Health
FCDBJMServer	FCDBFileStore	FCDB120R2Server	FCDB120R2Server	 OK

Showing 1 to 1 of 1 Previous | Next

2.) JMS module:

Home Log Out Preferences Record Help  Welcome, readuser Connected to: FCDB120R2

Home > JMS Modules > FCDBSystemModule > FCDBForeignServer > Configuration > NotifyDestQCF > Summary of JMS Servers > FCDBJMSServer > JMS Modules > FCDBSystemModule > JMS Modules

JMS Modules

JMS system resources are configured and stored as modules similar to standard J2EE modules. Such resources include queues, topics, connection factories, templates, destination keys, quota, distributed queues, distributed topics, foreign servers, and JMS store-and-forward (SAF) parameters. You can administratively configure and manage JMS system modules as global system resources.


This page summarizes the JMS system modules that have been created for this domain.

[Customize this table](#)

JMS Modules

Click the *Lock & Edit* button in the Change Center to activate all the buttons on this page.

Showing 1 to 1 of 1 Previous | Next

Name 	Type
FCDBSystemModule	System

Showing 1 to 1 of 1 Previous | Next

3.) Foreign Server:

The screenshot shows the Oracle JMS console interface. At the top, there is a navigation bar with 'Home', 'Log Out', 'Preferences', 'Record', and 'Help'. The user is logged in as 'Welcome, readuser' and is connected to 'FCDB120R2'. The breadcrumb trail is: Home > FCDBSystemModule > FCDBForeignServer > Configuration > NotifyDestQCF > Summary of JMS Servers > FCDBJMSServer > JMS Modules > FCDBSystemModule > JMS Modules > FCDBSystemModule.

The main section is titled 'Settings for FCDBSystemModule' and has tabs for 'Configuration', 'Subdeployments', 'Targets', 'Security', and 'Notes'. The 'Configuration' tab is active.

Below the tabs, there is a descriptive paragraph: '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.'

Two key-value pairs are shown:

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

Another descriptive paragraph follows: '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.'

There is a link to 'Customize this table'.

The 'Summary of Resources' section contains a note: 'Click the *Lock & Edit* button in the Change Center to activate all the buttons on this page.'

At the bottom, there is a table with columns: Name, Type, JNDI Name, Subdeployment, and Targets. The table shows one resource: FCDBForeignServer, which is a Foreign Server with JNDI Name N/A, Subdeployment FCDB, and Target FCDBJMSServer. The entire row is highlighted with a red border.

<input type="checkbox"/>	Name ↕	Type	JNDI Name	Subdeployment	Targets
<input type="checkbox"/>	FCDBForeignServer	Foreign Server	N/A	FCDB	FCDBJMSServer

4.) Destination Queue:

Home Log Out Preferences Record Help Welcome, readuser Connected to: FCDB120R

Home > Summary of JMS Servers > FCDBJMServer > JMS Modules > FCDBSystemModule > JMS Modules > FCDBSystemModule > FCDBForeignServer > Configuration > NOTIFY_DEST_QUEUE > Configuration

Settings for FCDBForeignServer

Configuration Subdeployment Notes

General **Destinations** Connection Factories

A foreign destination (topic or queue) can be found on a remote server. When this destination is looked up on the local server, a look-up will be performed automatically on the remote JNDI directory, and the object will be returned from that directory.

This page summarizes the foreign destinations that have been created for this domain.

[Customize this table](#)

Foreign Destinations

Click the **Lock & Edit** button in the Change Center to activate all the buttons on this page.

Showing 1 to 5 of 5 Previous | Next

Name ↕	Local JNDI Name	Remote JNDI Name
MDB_QUEUE	MDB_QUEUE_12	MDB_QUEUE
MDB_QUEUE_B004	MDB_QUEUE_B004	MDB_QUEUE_B004
MDB_QUEUE_RESPONSE	MDB_QUEUE_RESPONSE_12	MDB_QUEUE_RESPONSE
MDB_QUEUE_RESPONSE_B004	MDB_QUEUE_RESPONSE_B004	MDB_QUEUE_RESPONSE_B004
NOTIFY_DEST_QUEUE	NOTIFY_DEST_QUEUE_FCDB	NOTIFY_DEST_QUEUE_FCDB

Showing 1 to 5 of 5 Previous | Next

5.) Connection Factory:

Home Log Out Preferences Record Help Welcome, readuser Connected to: FCDB1

Home > Summary of JMS Servers > FCDBJMServer > JMS Modules > FCDBSystemModule > JMS Modules > FCDBSystemModule > FCDBForeignServer > Configuration > NOTIFY_DEST_QUEUE > Configuration

Settings for FCDBForeignServer

Configuration Subdeployment Notes

General Destinations **Connection Factories**

A foreign connection factory represents a connection factory that resides on another server, and which is accessible via JNDI. A remote connection factory can be used to refer to another instance of WebLogic Server running in a different cluster or server, or a foreign provider, as long as that provider supports JNDI.

This page summarizes the foreign connection factories that have been created for this domain.

[Customize this table](#)

Foreign Connection Factories (Filtered - More Columns Exist)

Click the *Lock & Edit* button in the Change Center to activate all the buttons on this page.

Showing 1 to 2 of 2 Previous | Next

Name	Local JNDI Name	Remote JNDI Name
MDBQCF	MDBQCF_12	MDBQCF
NotifyDestQCF	NotifyDestQCF	NotifyDestQCF

Showing 1 to 2 of 2 Previous | Next

PROPERTIES :

Following properties need to be configured for generating email alerts:

- ✓ ALERTNOTIFY_EMAIL.SERVER
- ✓ ALERTNOTIFY_EMAIL.PORT
- ✓ ALERTNOTIFY_EMAIL.PROTOCOL = smtp
- ✓ ALERTNOTIFY_EMAIL.FROM
- ✓ {identity}.FROM.EMAIL.ADDRESS