

JMS Configuration Multi Entity Guide  
Oracle Banking APIs  
Patchset Release 22.2.2.0.0

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**ORACLE®**

JMS Configuration Multi Entity Guide

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# 1. Preface

## 1.1 Intended Audience

This document is intended for the following audience:

- Customers
- 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 Oracle Support

Oracle customers have access to electronic support through My Oracle Support. For information, visit

<http://www.oracle.com/pls/topic/lookup?ctx=acc&id=info> or visit

<http://www.oracle.com/pls/topic/lookup?ctx=acc&id=trs> if you are hearing impaired.

## 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.

The subsequent chapters describes following details:

- Introduction
- Preferences & Database
- Configuration / Installation.

## 1.5 Related Information Sources

For more information on Oracle Banking APIs Patchset Release 22.2.2.0.0, refer to the following documents:

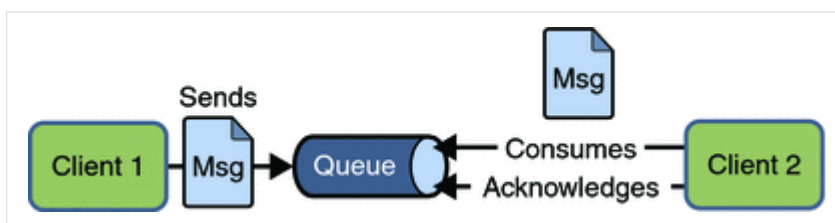
- Oracle Banking APIs Installation Manuals

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## 2. Objective and Scope

### 2.1 Background

JMS (Java Message Service) is an API that provides the facility to create, send and read messages. It provides loosely coupled, reliable communication. Messaging enables distributed communication that is loosely coupled. A component sends a message to a destination, and the recipient can retrieve the message from the destination. However, the sender and the receiver do not have to be available at the same time in order to communicate. In fact, the sender does not need to know anything about the receiver; nor does the receiver need to know anything about the sender. The sender and the receiver need to know only which message format and which destination to use. JMS configuration is required to send message (request) to external system and receive processed message (response) from external system.



### 2.2 Objective and Scope

Define a common set of messaging concepts and facilities. The scope of this document is to provide steps to configure foreign server for connecting external system using JNDI provider and configure JMS queue to receive data from external system. Foreign server is used to send message to external system with help of JNDI Initial, JNDI connection url, JNDI connection factory and JNDI destination. To configure JMS receiver queue in web logic we have to create JMS server and JMS module. Where JMS module include creation of JMS connection factory, JMS queue and SubDeployment.

[Home](#)

## 3. JMS Step 1: Create foreign server in a weblogic server

### 3.1 Introduction and Definitions

A Foreign Server represents a JNDI provider that is outside WebLogic server. It contains information that allows a local WebLogic Server instance to reach a remote JNDI provider, thereby allowing for a number of foreign connection factory and destination objects to be defined on one JNDI directory.

#### 3.1.1 Create a JMS Module

- Services > Messaging > JMS Modules
- Select New
- Name: HostSystemModule
- Leave the other options empty
- Targets: obapi\_server
- Press Next
- Leave “Would you like to add resources to this JMS system module” unchecked and press Finish .

Name	Type	Scope	Domain Partitions
AsyncFailureLogJMS	JMSSystemResource	Global	
AuditJMS	JMSSystemResource	Global	
EndPointJMSModule	JMSSystemResource	Global	
extXfaceJMSModule	JMSSystemResource	Global	
FileUploadJMS	JMSSystemResource	Global	
HostSystemModule	JMSSystemResource	Global	
UBSSystemModule	JMSSystemResource	Global	

#### 3.1.2 Create a foreign Server

- Services > Messaging > JMS Modules
- Select HostSystemModule and press New
- Select Foreign Server and Next
- Name: ForeignServer (Once you create a foreign server, you cannot rename it. Instead, you must delete it and create another one that uses the new name) and Click Next to proceed to the targeting page or click **Finish** to create the foreign server.

Name	Type	JNDI Name	Subdeployment	Targets
ForeignServer	Foreign Server	N/A	Default Targeting	obdx_server

### 3.1.3 To configure additional properties for the new foreign server

- Services > Messaging > JMS Modules
- Select HostSystemModule
- Click on ForeignServer
- On the Configuration> General tab
- Enter Following details.
  - JNDI Initial: enter the name of the class that must be instantiated to access the JNDI provider. For example (weblogic.jndi.WLInitialContextFactory)
  - JNDI Connection URL: enter the URL that WebLogic Server uses to contact the JNDI provider. (http://IP:port)
- Click **Save**.

The screenshot shows the 'Configuration' page for a 'ForeignServer' in the 'General' tab. The 'JNDI Initial Context Factory' is set to 'weblogic.jndi.WLInitialCont' and the 'JNDI Connection URL' is set to 'http://mum00aoz.in.oracle.com:6003'. The 'Name' is 'ForeignServer'. There is a 'Save' button at the top left of the configuration area.

### 3.1.4 Create foreign connection factories

- Services > Messaging > JMS Modules
- Select HostSystemModule
- Click on ForeignServer
- On the Configuration> **Connection Factories** tab press **New**
- Enter Following details
  - Name: enter a name for the foreign connection factory.
  - Local JNDI Name: specify the name that the remote object will be bound to in the local server's JNDI tree and is used to look up the object on the local server.
  - Remote JNDI Name: specify the name of the remote object that will be looked up in the remote JNDI directory.
- Click **Ok**.



Settings for ForeignConnectionFactory

Configuration Notes

Save

A foreign connection factory is a connection factory that resides on another server instance and 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.

Use this page to create a foreign connection factory.

Name: ForeignConnectionFactory The name of this foreign connection factory. More Info...

Local JNDI Name: HostQCF The name that the remote object will be bound to in the local server's JNDI tree. This is the name that should be used to look up the object on the local server. More Info...

Remote JNDI Name: HostQCF The name of the remote object that will be looked up in the remote JNDI directory. More Info...

Settings for ForeignServer

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)

Name	Local JNDI Name	Remote JNDI Name
ForeignConnectionFactory	HostQCF	HostQCF

### 3.1.5 Create foreign destinations

- Services > Messaging > JMS Modules
- Select HostSystemModule
- Click on ForeignServer
- On the Configuration>Destination tab press New
- Enter Following details
  - Name: enter a name for the foreign destination.
  - Local JNDI Name: specify the name that the remote object will be bound to in the local server's JNDI tree and is used to look up the object on the local server.
  - Remote JNDI Name: specify the name of the remote object that will be looked up in the remote JNDI directory.
- Click Ok.

JMS Step 1: Create foreign server in a weblogic server

Settings for ForeignDestination

Configuration Notes

Save

A foreign destination (topic or queue) is a destination 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.

Use this page to configure a foreign destination.

Name: ForeignDestination The name of this foreign destination. [More Info...](#)

Local JNDI Name: HostProcess The name that the remote object will be bound to in the local server's JNDI tree. This is the name that should be used to look up the object on the local server. [More Info...](#)

Remote JNDI Name: HostProcess The name of the remote object that will be looked up in the remote JNDI directory. [More Info...](#)

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

Name	Local JNDI Name	Remote JNDI Name
ForeignDestination	HostProcess	HostProcess

New Delete Showing 1 to 1 of 1 Previous Next

[Home](#)

## 4. JMS Step 2 - How to Create a Simple JMS Queue in Weblogic Server

### 4.1 Introduction and Definitions

A JMS queue in Weblogic Server is associated with a number of additional resources:

#### **JMS Server**

A JMS server acts as a management container for resources within JMS modules. Some of its responsibilities include the maintenance of persistence and state of messages and subscribers. A JMS server is required in order to create a JMS module.

#### **JMS Module**

A JMS module is a definition which contains JMS resources such as queues and topics. A JMS module is required in order to create a JMS queue.

#### **Subdeployment**

JMS modules are targeted to one or more WLS instances or a cluster. Resources within a JMS module, such as queues and topics are also targeted to a JMS server or WLS server instances. A subdeployment is a grouping of targets. It is also known as advanced targeting.

#### **Connection Factory**

A connection factory is a resource that enables JMS clients to create connections to JMS destinations.

#### **JMS Queue**

A JMS queue (as opposed to a JMS topic) is a point-to-point destination type. A message is written to a specific queue or received from a specific queue.

The objects used in this example are:

Object Name	Type	JNDI Name
ExtXfaceJMSServer	JMS Server	
extXfaceJMSModule	JMS Module	
extXfaceSubdeployment	Subdeployment	
ReceiverQCF	Connection Factory	

Object Name	Type	JNDI Name
ReceiverQueue	JMS Queue	

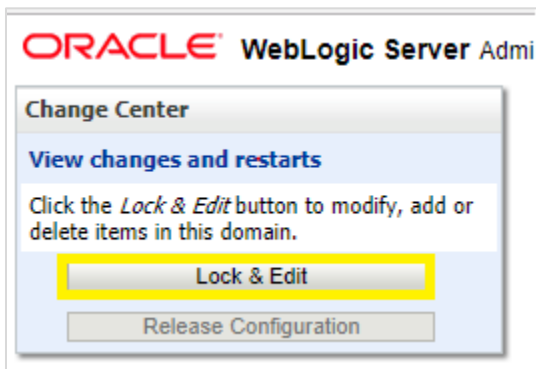
1. Configuration Steps-The following steps are done in the WebLogic Server Console, beginning with the left-hand navigation menu.

**Create Persistent store-**

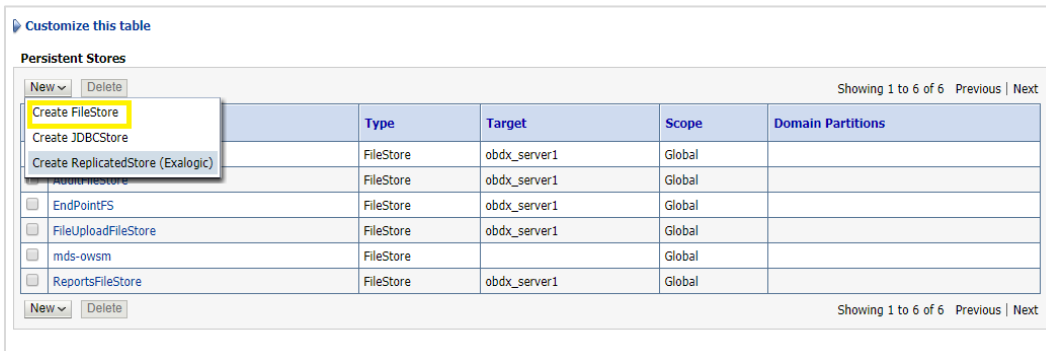
- Here you have to Create a new persistent store (Once the persistent store is created that can be used for both sender and receiver server. Hence there is no need to create a different persistent store for two different servers.) Hence Before creating a JMS server you need to create the Persistent store if its not already created. Follow the steps shown below for creating a persistent store.
- Select **Services > Persistent Stores**.



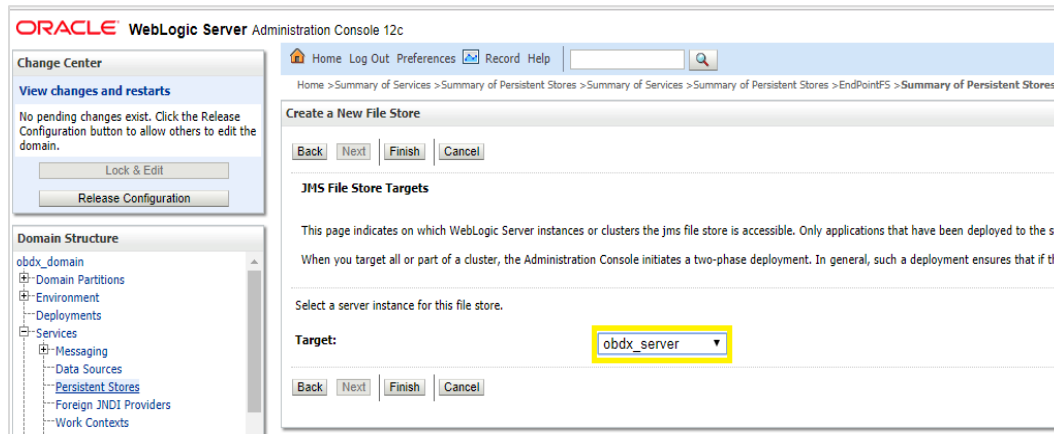
First Select Lock & Edit as shown-



- Select new and the select create FileStore from the list as shown below-



- Give the name of the filestore. Example- **EndPointFS** and the Directory location, example **/scratch/obapi/wls**. Directory location field is optional and the path given above is just an example , it may vary according to the server.
- Click **Next**.
- Select the target server as shown in following snapshot-



- Click **Finish**.

### 4.1.1 Create a JMS Server

Services > Messaging > JMS Servers



- Select **New**.

JMS Servers (Filtered - More Columns Exist)

New Delete Showing 1 to 6 of 6 Previous | Next

<input type="checkbox"/>	Name ↕	Persistent Store	Target	Current Target	Health	Scope	Domain Partitions
<input type="checkbox"/>	AsyncFailureLogJMServer	AsyncFailureLogFileStore	obdx_server1	obdx_server1		Global	
<input type="checkbox"/>	AuditJMServer	AuditFileStore	obdx_server1	obdx_server1		Global	
<input type="checkbox"/>	ExtfaceReceiverServer	EndPointFS	obdx_server1	obdx_server1		Global	
<input type="checkbox"/>	ExtfaceSenderServer	EndPointFS	obdx_server1	obdx_server1		Global	
<input type="checkbox"/>	FileUploadJMServer	FileUploadFileStore	obdx_server1	obdx_server1		Global	
<input type="checkbox"/>	ReportsJMServer	ReportsFileStore	obdx_server1	obdx_server1		Global	

New Delete Showing 1 to 6 of 6 Previous | Next

- Name: Give name as for example-**ExtfaceReceiverServer** .
- After naming the server **Click next** as shown in following example screenshot.

Create a New JMS Server

Back Next Finish Cancel

**JMS Server Properties**

The following properties will be used to identify your new JMS Server.  
\* Indicates required fields

What would you like to name your new JMS server?

Name:

Would you like this new JMS server to be restricted to a specific resource group template or resource group?

Scope:

Back Next Finish Cancel

- **Persistent Store:** Select the name Persistent store from the dropdown list which was created in the previous step. Example-**EndPointFS**.
- Click **Next**.

**Create a New JMS Server**

Back Next Finish Cancel

**Select Persistent Store**

Specify a persistent store for the new JMS server.

Persistent Store: EndPointFS Create a New Store

Back Next Finish Cancel

- **Target:** Target should Point to the **Weblogic server cluster** as in this case target is set to **obapi\_server1** cluster. (Or any other available cluster).
- Click **Finish**.

**Create a New JMS Server**

Back Next Finish Cancel

**Select targets**

Select the server instance or migratable target on which you would like to deploy this JMS server.

Target: obdx\_server1

Back Next Finish Cancel

The JMS server should now be visible in the list.

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.

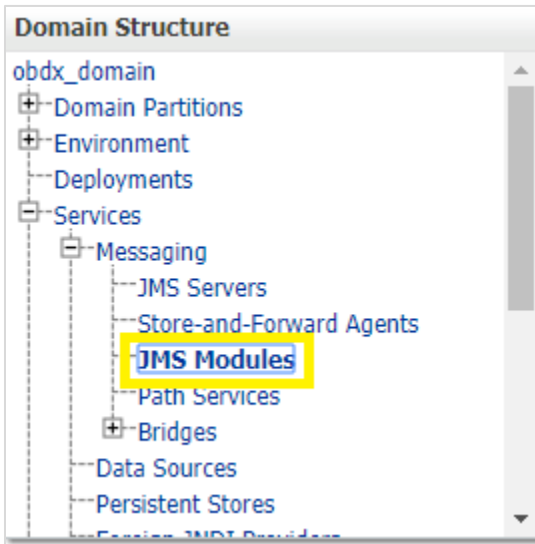
New Delete Showing 1 to 6 of 6 Previous | Next

<input type="checkbox"/>	Name	Persistent Store	Target	Current Target	Health	Scope	Domain Partitions
<input type="checkbox"/>	AsyncFailureLogJMServer	AsyncFailureLogFileStore	obdx_server1	obdx_server1		Global	
<input type="checkbox"/>	AuditJMServer	AuditFileStore	obdx_server1	obdx_server1		Global	
<input type="checkbox"/>	ExbfaceReceiverServer	EndPointFS	obdx_server1	obdx_server1		Global	
<input type="checkbox"/>	ExbfaceSenderServer	EndPointFS	obdx_server1	obdx_server1		Global	
<input type="checkbox"/>	FileUploadJMServer	FileUploadFileStore	obdx_server1	obdx_server1		Global	
<input type="checkbox"/>	ReportsJMServer	ReportsFileStore	obdx_server1	obdx_server1		Global	

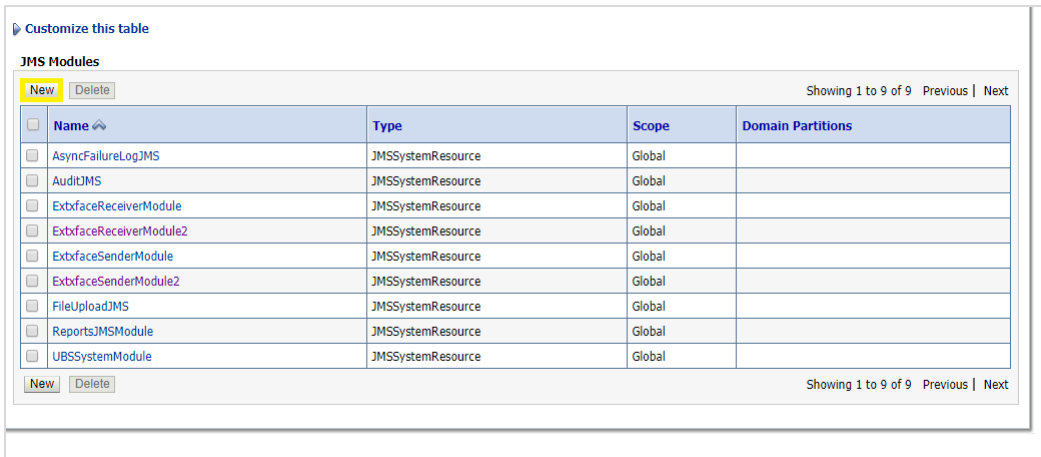
New Delete Showing 1 to 6 of 6 Previous | Next

### 4.1.2 Create a JMS Module

- Services > Messaging > JMS Modules.



- Select **New**.



- Name: Provide name for JMS Module.
- Leave **the other options empty**.
- Click **Next**.



What would you like to name your System Module?

\* Name:

Would you like this new JMS System Module to be restricted to a specific resource group template or resource group ?

Scope:

What would you like to name the descriptor file name? If you do not provide a name, a default will be assigned.

Descriptor File Name:

Where would like to place the descriptor for this System Module, relative to the jms configuration sub-directory of your domain?

Location In Domain:

- Targets: **Obdx\_Cluster** (or choose any other clusters available).
- Press **Next**.

Targets :

Servers
<input type="checkbox"/> AdminServer

Clusters
<input checked="" type="checkbox"/> obdx_cluster
<input type="radio"/> All servers in the cluster
<input type="radio"/> Part of the cluster
<input type="checkbox"/> obdx_server1

Leave “**Would you like to add resources to this JMS system module**” unchecked and press **Finish** .

Create JMS System Module

**Add resources to this JMS system module**

Use this page to indicate whether you want to immediately add resources to this JMS system module after it is created. JMS resources include queues, topics, connection factories, and such.

Would you like to add resources to this JMS system module?

Customize this table

**JMS Modules**

Showing 1 to 9 of 9 Previous | Next

<input type="checkbox"/> Name ↕	Type	Scope	Domain Partitions
<input type="checkbox"/> AsyncFailureLogJMS	JMSSystemResource	Global	
<input type="checkbox"/> AuditJMS	JMSSystemResource	Global	
<input type="checkbox"/> ExtxfaceReceiverModule	JMSSystemResource	Global	
<input type="checkbox"/> ExtxfaceReceiverModule2	JMSSystemResource	Global	
<input type="checkbox"/> ExtxfaceSenderModule	JMSSystemResource	Global	
<input type="checkbox"/> ExtxfaceSenderModule2	JMSSystemResource	Global	
<input type="checkbox"/> FileUploadJMS	JMSSystemResource	Global	
<input type="checkbox"/> ReportsJMSModule	JMSSystemResource	Global	
<input type="checkbox"/> UBSSystemModule	JMSSystemResource	Global	

Showing 1 to 9 of 9 Previous | Next

### 4.1.3 Create a SubDeployment

A subdeployment is not necessary for the JMS queue to work, but it allows you to easily target subcomponents of the JMS module to a single target or group of targets. We will use the subdeployment in this example to target the following connection factory and JMS queue to the JMS server we created earlier.

- Services > Messaging > JMS Modules.
- Select **ExtxfaceReceiverModule**.

Customize this table

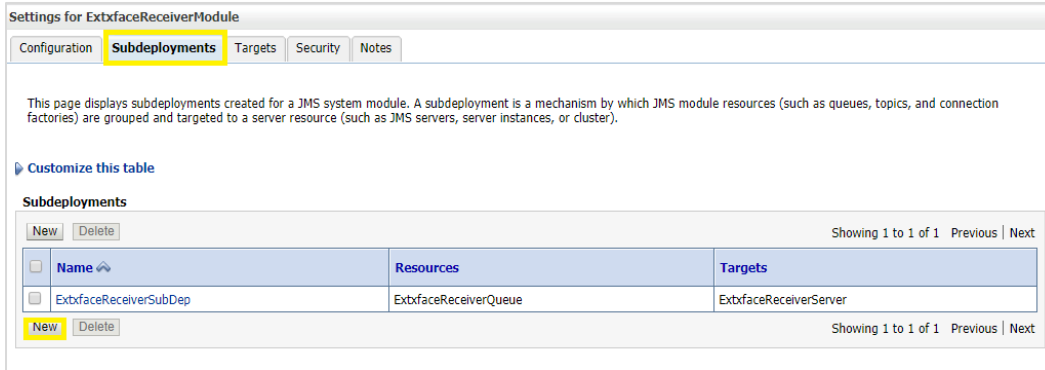
**JMS Modules**

Showing 1 to 9 of 9 Previous | Next

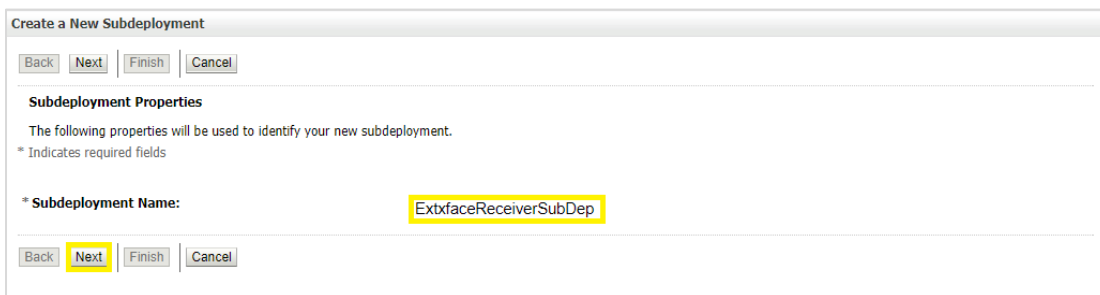
<input type="checkbox"/> Name ↕	Type	Scope	Domain Partitions
<input type="checkbox"/> AsyncFailureLogJMS	JMSSystemResource	Global	
<input type="checkbox"/> AuditJMS	JMSSystemResource	Global	
<input type="checkbox"/> ExtxfaceReceiverModule	JMSSystemResource	Global	
<input type="checkbox"/> ExtxfaceReceiverModule2	JMSSystemResource	Global	
<input type="checkbox"/> ExtxfaceSenderModule	JMSSystemResource	Global	
<input type="checkbox"/> ExtxfaceSenderModule2	JMSSystemResource	Global	
<input type="checkbox"/> FileUploadJMS	JMSSystemResource	Global	
<input type="checkbox"/> ReportsJMSModule	JMSSystemResource	Global	
<input type="checkbox"/> UBSSystemModule	JMSSystemResource	Global	

Showing 1 to 9 of 9 Previous | Next

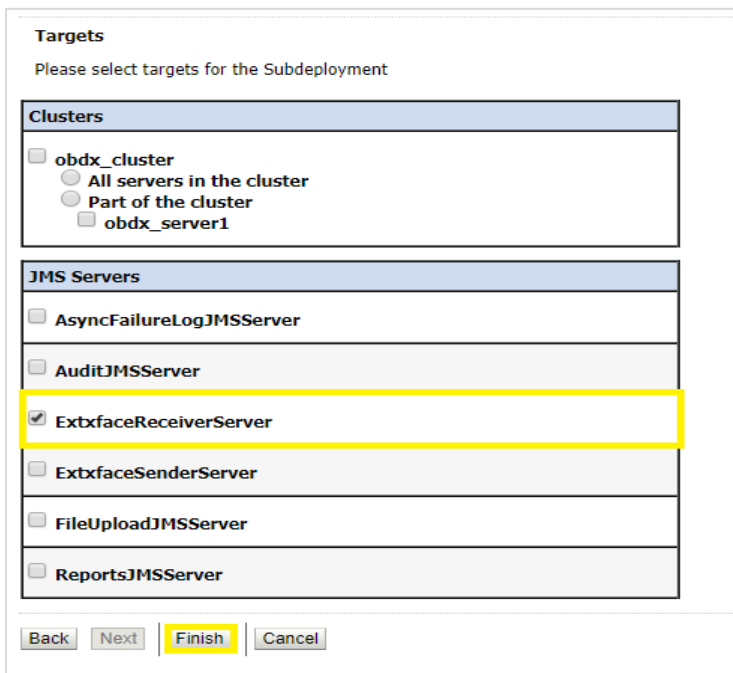
- Select the **Subdeployments** tab and click **New**.



- Subdeployment Name: give subdeployment name. example- **ExtxfaceReceiverSubDep**
- Press **Next**.



- Here you can select the target(s) for the subdeployment. You can choose either Servers (i.e. WebLogic managed servers, such as the **obapi\_server**) or JMS Servers such as the JMS Server created earlier. As the purpose of our subdeployment in this example is to target a specific JMS server, we will choose the JMS Server option. Select the **ExtxfaceReceiverServer** created earlier.
- Press **Finish**.



### 4.1.4 Create a Connection Factory

- Services > Messaging > JMS Modules
- Select **ExtxfaceReceiverModule** and press **New**.

Customize this table

**JMS Modules**

New Delete Showing 1 to 9 of 9 Previous | Next

<input type="checkbox"/>	Name ↕	Type	Scope	Domain Partitions
<input type="checkbox"/>	AsyncFailureLogJMS	JMSSystemResource	Global	
<input type="checkbox"/>	AuditJMS	JMSSystemResource	Global	
<input type="checkbox"/>	ExtxfaceReceiverModule	JMSSystemResource	Global	
<input type="checkbox"/>	ExtxfaceReceiverModule2	JMSSystemResource	Global	
<input type="checkbox"/>	ExtxfaceSenderModule	JMSSystemResource	Global	
<input type="checkbox"/>	ExtxfaceSenderModule2	JMSSystemResource	Global	
<input type="checkbox"/>	FileUploadJMS	JMSSystemResource	Global	
<input type="checkbox"/>	ReportsJMSModule	JMSSystemResource	Global	
<input type="checkbox"/>	UBSSystemModule	JMSSystemResource	Global	

New Delete Showing 1 to 9 of 9 Previous | Next

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"/>	ExtxfaceReceiverQCF	Connection Factory	ExtSystemReceiverQCF	Default Targeting	obdx_server1
<input type="checkbox"/>	ExtxfaceReceiverQueue	Queue	ExtSystemReceiverQueue	ExtxfaceReceiverSubDep	ExtxfaceReceiverServer

New Delete Showing 1 to 2 of 2 Previous | Next

- Select **Connection Factory** and click **Next**.

Create a New JMS System Module Resource

Back **Next** Finish Cancel

Choose the type of resource you want to create.

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.

- 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...](#)

- Name: Give name of the connection factory example- **ExtxfaceReceiverQCF**.  
JNDI Name: **ExtSystemReceiverQCF**.
- Click **Next**.

Create a New JMS System Module Resource

Back Next Finish Cancel

**Connection Factory Properties**

The following properties will be used to identify your new connection factory. The current module is ExtxfaceReceiverModule.  
\* Indicates required fields

What would you like to name your new connection factory?

\* Name:

What JNDI Name would you like to use to look up your new connection factory?

JNDI Name:

The Connection Factory Subscription Sharing Policy Subscribers can be used to control which subscribers can access new subscriptions. Should subscriptions created using this factory be sharable?

Subscription Sharing Policy:

The Client ID Policy indicates whether more than one JMS connection can use the same Client ID. Oracle recommends setting the Client ID policy to Unrestricted if sharing durable subscribers. Subscriptions created with different Client ID policies are always treated as independent subscriptions. What Client ID Policy would you like to use?

Client ID Policy:

A connection factory can limit the number of messages that can queued for an asynchronous session. Should this connection factory impose a limit?

Maximum Messages per Session:

- Select Default Targeting Enabled and Press **Finish**
- The connection factory should be listed on the following page with **Default Targeting** as Subdeployment and WebLogic cluster as the target.

#### 4.1.5 Create a JMS Queue

- Services > Messaging > JMS Modules
- Select **ExtxfaceReceiverModule** and Click **New**.

Customize this table

**JMS Modules**

New Delete Showing 1 to 9 of 9 Previous Next

Name	Type	Scope	Domain Partitions
AsyncFailureLogJMS	JMSSystemResource	Global	
AuditJMS	JMSSystemResource	Global	
ExtxfaceReceiverModule	JMSSystemResource	Global	
ExtxfaceReceiverModule2	JMSSystemResource	Global	
ExtxfaceSenderModule	JMSSystemResource	Global	
ExtxfaceSenderModule2	JMSSystemResource	Global	
FileUploadJMS	JMSSystemResource	Global	
ReportsJMSModule	JMSSystemResource	Global	
UBSSystemModule	JMSSystemResource	Global	

New Delete Showing 1 to 9 of 9 Previous Next

Customize this table

**Summary of Resources**

New Delete Showing 1 to 2 of 2 Previous Next

Name	Type	JNDI Name	Subdeployment	Targets
ExtxfaceReceiverQCF	Connection Factory	ExtSystemReceiverQCF	Default Targeting	obdx_server1
ExtxfaceReceiverQueue	Queue	ExtSystemReceiverQueue	ExtxfaceReceiverSubDep	ExtxfaceReceiverServer

New Delete Showing 1 to 2 of 2 Previous Next

- Select **Queue** and Click **Next**.

Back Next Finish Cancel

**Choose the type of resource you want to create.**

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.

<input type="radio"/> Connection Factory	Defines a set of connection configuration parameters that are used to create connections for JMS clients. <a href="#">More Info...</a>
<input checked="" type="radio"/> 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. <a href="#">More Info...</a>
<input type="radio"/> 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. <a href="#">More Info...</a>
<input type="radio"/> 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. <a href="#">More Info...</a>

- **Name:** Provide name of the message queue. example- **ExtxfaceReceiverQueue**.  
**JNDI Name:** Provide JNDI name. example- **ExtSystemReceiverQueue**.  
**Template:** **None**.
- Press **Next**.

Create a New JMS System Module Resource

Back Next Finish Cancel

**JMS Destination Properties**

The following properties will be used to identify your new Queue. The current module is ExtxfaceReceiverModule.

\* Indicates required fields

\* Name:

JNDI Name:

Template:

Back Next Finish Cancel

- **Subdeployments:** Give the name of the sub-deployment name in which Queue is supposed to be added. **Example-** ExtxfaceReceiverSubDep.
- Select the Target as **ExtxfaceReceiverServer**  
Click **Finish**.

Back Next Finish Cancel

The following properties will be used to target your new JMS system module resource

Use this page to select a subdeployment to assign this system module resource. A subdeployment is a mechanism by which JMS resources are grouped and targeted to a server instance, cluster, or SAF agent. If necessary, you can create a new subdeployment by clicking the **Create a New Subdeployment** button. You can also reconfigure subdeployment targets later by using the parent module's subdeployment management page.

Select the subdeployment you want to use. If you select (none), no targeting will occur.

Subdeployments: **ExtfaceReceiverSubDep** Create a New Subdeployment

What targets do you want to assign to this subdeployment?

Targets :

JMS Servers
<input type="radio"/> AsyncFailureLogJMSServer
<input type="radio"/> AuditJMSServer
<input checked="" type="radio"/> ExtfaceReceiverServer
<input type="radio"/> ExtfaceSenderServer
<input type="radio"/> FileUploadJMSServer
<input type="radio"/> ReportsJMSServer

The **ReceiverQueue** should be listed on the following page with Sub-deployment as **ExtfaceReceiverSubDep** and target as **ExtfaceReceiverServer**.

Customize this table

Summary of Resources

New Delete Showing 1 to 2 of 2 Previous Next

Name	Type	JNDI Name	Subdeployment	Targets
ExtfaceReceiverQCF	Connection Factory	ExtSystemReceiverQCF	Default Targeting	obdx_server1
ExtfaceReceiverQueue	Queue	ExtSystemReceiverQueue	ExtfaceReceiverSubDep	ExtfaceReceiverServer

New Delete Showing 1 to 2 of 2 Previous Next

Confirm the resources for the **ExtfaceReceiverModule**. Using the Domain Structure tree, navigate to Services > Messaging > JMS Modules then select **ExtfaceReceiverModule**

Domain Structure

- obdx\_domain
  - Domain Partitions
  - Environment
  - Deployments
  - Services
    - Messaging
      - JMS Servers
      - Store-and-Forward Agents
      - JMS Modules**
      - Path Services
    - Bridges
    - Data Sources
    - Persistent Stores

How do I...
 

- Configure JMS system modules
- Configure resources for JMS system modules

System Status

Customize this table

JMS Modules

New Delete Showing 1 to 9 of 9 Previous Next

Name	Type	Scope	Domain Partitions
AsyncFailureLogJMS	JMSSystemResource	Global	
AuditJMS	JMSSystemResource	Global	
ExtfaceReceiverModule	JMSSystemResource	Global	
ExtfaceReceiverModule2	JMSSystemResource	Global	
ExtfaceSenderModule	JMSSystemResource	Global	
ExtfaceSenderModule2	JMSSystemResource	Global	
FileUploadJMS	JMSSystemResource	Global	
ReportsJMSModule	JMSSystemResource	Global	
UBSSystemModule	JMSSystemResource	Global	

New Delete Showing 1 to 9 of 9 Previous Next

**You should see the following resources-**

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"/>	ExtfaceReceiverQCF	Connection Factory	ExtSystemReceiverQCF	Default Targeting	obdx_server1
<input type="checkbox"/>	ExtfaceReceiverQueue	Queue	ExtSystemReceiverQueue	ExtfaceReceiverSubDep	ExtfaceReceiverServer

New Delete Showing 1 to 2 of 2 Previous | Next

The JMS queue is now complete and can be accessed using the JNDI names

**ExtSystemReceiverQCF And ExtSystemReceiverQueue..**

---

**Note:** Repeat the above process from the step 4.1 i.e Create File-Store to create the JMS Configuration for Sender module. Separate JMS Server , Module and Queues would get created for Sender.

---

[Home](#)



## 5. JMS Creation

### 5.1 Sample creation of Queue

#### 1. Step 1 :

Go to the path where you want to create the Queue.

(E.g., Home > Services > Messaging > JMS Modules > MultipleTransactionApprovalJMSModule)

Get the lock and edit in WebLogic.

Click on **New**.

Then select uniform Queue from the options.

Choose the type of resource you want to create.	
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.	
<input type="radio"/> Connection Factory	Defines a set of connection configuration parameters that are used to create connections for JMS clients. <a href="#">More Info...</a>
<input type="radio"/> 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. <a href="#">More Info...</a>
<input type="radio"/> 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. <a href="#">More Info...</a>
<input checked="" type="radio"/> 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. <a href="#">More Info...</a>
<input type="radio"/> 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. <a href="#">More Info...</a>
<input type="radio"/> Foreign Server	Defines foreign messaging providers or remote WebLogic Server instances that are not part of the current domain. <a href="#">More Info...</a>
<input type="radio"/> Quota	Controls the allotment of system resources available to destinations. <a href="#">More Info...</a>
<input type="radio"/> Destination Sort Key	Defines a unique sort order that destinations can apply to arriving messages. <a href="#">More Info...</a>
<input type="radio"/> JMS Template	Defines a set of default configuration settings for multiple destinations. <a href="#">More Info...</a>
<input type="radio"/> 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. <a href="#">More Info...</a>

#### 2. Step 2 : Then fill in the data such as Name of the Queue and the JNDI Name from the Table given at the start of the document. Then click on **Next**.

Create a New JMS System Module Resource	
<a href="#">Back</a> <a href="#">Next</a> <a href="#">Finish</a> <a href="#">Cancel</a>	
<b>JMS Distributed Destination Properties</b>	
The following properties will be used to identify your new Distributed Queue. The current module is MultipleTransactionApprovalJMS	
* Indicates required fields	
What would you like to name your new destination?	
* Name:	<input type="text" value="MultipleTransactionServiceIn"/>
What JNDI Name would you like to use to look up your new destination?	
JNDI Name:	<input type="text" value="MultipleTransactionServiceInvocationQueue"/>
Queue members may be either created uniformly from a common configuration, or created and weighted individually to fine tune performance. How would you like to create queue members?	
Destination Type:	<input type="text" value="Uniform"/>
Templates provide an efficient means of defining multiple destinations with similar configuration values. Would you like to use a template for this destination?	
Template:	<input type="text" value="None"/>
<a href="#">Back</a> <a href="#">Next</a> <a href="#">Finish</a> <a href="#">Cancel</a>	

- Step 3 : Then select on advanced targeting.

**Create a New JMS System Module Resource**

Back Next Finish **Advanced Targeting** Cancel

The following properties will be used to target your new JMS system module resource

Use this page to view and accept the default targets where this JMS resource will be targeted. The default targets are based on the parent JMS system module targets. If you do not want to accept the default targets, then click **Advanced Targeting** to use the subdeployment mechanism for targeting this resource.

The following JMS module targets will be used as the default targets for your new JMS system module resource. If the module's targets are changed, this resource will also be retargeted appropriately.

**Targets :**

Clusters
<input checked="" type="radio"/> obdx_Cluster
<input type="radio"/> All servers in the cluster
<input type="radio"/> Part of the cluster
<input type="radio"/> obdx_server1

Back Next Finish **Advanced Targeting** Cancel

- Step 4 : Then select MultipleTransactionApprovalSD from the subdeployments dropdown and make sure to select MultipleTransactionApprovalJMSServer in the targets and then click on finish.

Select the subdeployment you want to use. If you select (none), no targeting will occur.

**Subdeployments:** MultipleTransactionApprovalSD

(none)

What targets do you want to assign to MultipleTransactionApprovalSD

**Targets :**

JMS Servers
<input type="checkbox"/> AccountAccessJMSServer
<input type="checkbox"/> AuditJMSServer
<input type="checkbox"/> AuthJMSServer
<input type="checkbox"/> ExtSystemReceiver
<input type="checkbox"/> ExtSystemSender
<input type="checkbox"/> FileUploadJMSServer
<input type="checkbox"/> GcifJMSServer
<input type="checkbox"/> JPACacheJMSServer
<input checked="" type="checkbox"/> MultipleTransactionApprovalJMSServer
<input type="checkbox"/> PartyMovementReportJMSServer
<input type="checkbox"/> PaymentJMSServer
<input type="checkbox"/> PoliciesJMSServer
<input type="checkbox"/> ReportsJMSServer
<input type="checkbox"/> UserGroupUserJMSServer

## 5.2 Sample creation of Connection Factory

1. Step 1 : Go to the path where you want to create a connection Factory.

(E.g., Home > Services > Messaging > JMS Modules > MultipleTransactionApprovalJMSModule)

Get the lock and edit in WebLogic. Click on New. Then select Connection Factory from the options.

**Note :** If the Connection Factory is already present with another Sub deployment and Target please delete it and make it fresh

**Create a New JMS System Module Resource**

Back Next Finish Cancel

**Choose the type of resource you want to create.**

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.

<input checked="" type="radio"/> <b>Connection Factory</b>	Defines a set of connection configuration parameters that are used to create connections for JMS clients. <a href="#">More Info...</a>
<input type="radio"/> <b>Queue</b>	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. <a href="#">More Info...</a>
<input type="radio"/> <b>Topic</b>	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. <a href="#">More Info...</a>
<input type="radio"/> <b>Distributed Queue</b>	Defines a set of queues that are distributed on multiple JMS servers, but which are accessible as a single, logical queue to JMS clients. <a href="#">More Info...</a>
<input type="radio"/> <b>Distributed Topic</b>	Defines a set of topics that are distributed on multiple JMS servers, but which are accessible as a single, logical topic to JMS clients. <a href="#">More Info...</a>
<input type="radio"/> <b>Foreign Server</b>	Defines foreign messaging providers or remote WebLogic Server instances that are not part of the current domain. <a href="#">More Info...</a>
<input type="radio"/> <b>Quota</b>	Controls the allotment of system resources available to destinations. <a href="#">More Info...</a>

2. Step 2 : Then fill out the Name and JNDI name of the connection Factory that you are creating.

**Create a New JMS System Module Resource**

Back Next Finish Cancel

**Connection Factory Properties**

The following properties will be used to identify your new connection factory. The current module is MultipleTransactionApprovalJMS.

\* Indicates required fields

What would you like to name your new connection factory?

\* **Name:**

What JNDI Name would you like to use to look up your new connection factory?

**JNDI Name:**

The Connection Factory Subscription Sharing Policy Subscribers can be used to control which subscribers can access new subscriptions. Should subscriptions created using this factory be sharable?

**Subscription Sharing Policy:**

The Client ID Policy indicates whether more than one JMS connection can use the same Client ID. Oracle recommends setting the Client ID policy to Unrestricted if sharing durable subscribers. Subscriptions created with different Client ID policies are always treated as independent subscriptions. What Client ID Policy would you like to use?

**Client ID Policy:**

A connection factory can limit the number of messages that can be queued for an asynchronous session. Should this connection factory impose a limit?

**Maximum Messages per Session:**

Should this connection factory create sessions that are JTA aware, and create XA queues and XA topics?

**XA Connection Factory Enabled**

Should the authenticated user name be attached to sent messages if the JMS destination is configured to support this behavior?

**Attach JMSX UserID**

Back Next Finish Cancel

3. Step 3 : Then on the next page. Select advanced Targeting.

The following properties will be used to target your new JMS system module resource

Use this page to view and accept the default targets where this JMS resource will be targeted. The default targets are based on the parent JMS system module targets. If you do not want to accept the default targets, then click **Advanced Targeting** to use the subdeployment mechanism for targeting this resource.

The following JMS module targets will be used as the default targets for your new JMS system module resource. If the module's targets are changed, this resource will also be retargeted appropriately.

And then select MultipleTransactionApprovalSD from the Sub deployments dropdown.

Select the subdeployment you want to use. If you select (none), no targeting will occur.

**Subdeployments:**

What targets do you want to assign to

**Targets :**

Then select MultipleTransactionApprovalJMSServer from the targets and then click on **Finish**.

JMS Servers
<input type="checkbox"/> AccountAccessJMSServer
<input type="checkbox"/> AuditJMSServer
<input type="checkbox"/> AuthJMSServer
<input type="checkbox"/> ExtSystemReceiver
<input type="checkbox"/> ExtSystemSender
<input type="checkbox"/> FileUploadJMSServer
<input type="checkbox"/> GcifJMSServer
<input type="checkbox"/> JPACacheJMSServer
<input checked="" type="checkbox"/> MultipleTransactionApprovalJMSServer
<input type="checkbox"/> PartyMovementReportJMSServer
<input type="checkbox"/> PaymentJMSServer
<input type="checkbox"/> PoliciesJMSServer
<input type="checkbox"/> ReportsJMSServer
<input type="checkbox"/> UserGroupUserJMSServer

This process need to be repeated for all the Queues and Connection Factories given in the table a the start of the document.

Once the entire process is done. The final list of the Queues and the Connection Factories should look something like this.

**Summary of Resources**

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

Name	Type	JNDI Name	Subdeployment	Targets
MultipleTransactionServiceInvocationQCF	Connection Factory	MultipleTransactionServiceInvocationQCF	MultipleTransactionApprovalSD	MultipleTransactionApprovalJMSServer
MultipleTransactionServiceInvocationQueue	Uniform Distributed Queue	MultipleTransactionServiceInvocationQueue	MultipleTransactionApprovalSD	MultipleTransactionApprovalJMSServer
MultipleTransactionServiceInvocationResponseQCF	Connection Factory	MultipleTransactionServiceInvocationResponseQCF	MultipleTransactionApprovalSD	MultipleTransactionApprovalJMSServer
MultipleTransactionServiceInvocationResponseQueue	Uniform Distributed Queue	MultipleTransactionServiceInvocationResponseQueue	MultipleTransactionApprovalSD	MultipleTransactionApprovalJMSServer
MultipleTransactionServiceInvocationTopic	Uniform Distributed Topic	MultipleTransactionServiceInvocationTopic	Default Targeting	obdx_cluster

And the sub deployments should look something like this.

**Subdeployments**

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

Name	Resources	Targets
Default Targeting		obdx_cluster
MultipleTransactionApprovalSD	MultipleTransactionServiceInvocationResponseQueue, MultipleTransactionServiceInvocationQueue, MultipleTransactionServiceInvocationQCF, MultipleTransactionServiceInvocationResponseQCF	MultipleTransactionApprovalJMSServer

### 5.3 Sample Creation of Topic

- Step 1: Go to the following path → Home > Services > Messaging > JMS Modules > MultipleTransactionApprovalJMSModule

Get the lock and edit in WebLogic.

Click on **New**.

Then select Distributed Topic from the options.

<input type="radio"/> <b>Connection Factory</b>	Defines a set of connection configuration parameters that are used to create connections for JMS clients. <a href="#">More Info...</a>
<input type="radio"/> <b>Queue</b>	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. <a href="#">More Info...</a>
<input type="radio"/> <b>Topic</b>	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. <a href="#">More Info...</a>
<input type="radio"/> <b>Distributed Queue</b>	Defines a set of queues that are distributed on multiple JMS servers, but which are accessible as a single, logical queue to JMS clients. <a href="#">More Info...</a>
<input checked="" type="radio"/> <b>Distributed Topic</b>	Defines a set of topics that are distributed on multiple JMS servers, but which are accessible as a single, logical topic to JMS clients. <a href="#">More Info...</a>
<input type="radio"/> <b>Foreign Server</b>	Defines foreign messaging providers or remote WebLogic Server instances that are not part of the current domain. <a href="#">More Info...</a>
<input type="radio"/> <b>Quota</b>	Controls the allotment of system resources available to destinations. <a href="#">More Info...</a>
<input type="radio"/> <b>Destination Sort Key</b>	Defines a unique sort order that destinations can apply to arriving messages. <a href="#">More Info...</a>
<input type="radio"/> <b>JMS Template</b>	Defines a set of default configuration settings for multiple destinations. <a href="#">More Info...</a>

- Step 2 :Then fill out the Name and JNDI name of the connection Factory that you are creating.

Create a New JMS System Module Resource

Back Next Finish Cancel

**JMS Distributed Destination Properties**  
 The following properties will be used to identify your new Distributed Topic. The current module is MultipleTransactionApprovalJMS  
 \* Indicates required fields

What would you like to name your new destination?  
 \* Name:

What JNDI Name would you like to use to look up your new destination?  
 JNDI Name:

Topic members may be either created uniformly from a common configuration, or created and weighted individually to fine tune performance. How would you like to create topic members?  
 Destination Type:

The Forwarding Policy for a topic defines how messages are forwarded to members. What forwarding policy would you like to use for this new destination?  
 Forwarding Policy:

Templates provide an efficient means of defining multiple destinations with similar configuration values. Would you like to use a template for this destination?  
 Template:

Back Next Finish Cancel

Note: Make sure the Forwarding policy is partitioned.

The Forwarding Policy for a topic defines how messages are forwarded to members. What forwarding policy would you like to use for this new destination?  
 Forwarding Policy:   
 Replicated  
 Templates provide an efficient means of defining multiple destinations with similar configuration values. Would you like to use a template for this destination?  
 Partitioned

- Step 3 :Click on **finish**

Use this page to view and accept the default targets where this JMS resource will be targeted. The default targets are accept the default targets, then click **Advanced Targeting** to use the subdeployment mechanism for targeting this r

The following JMS module targets will be used as the default targets for your new JMS system module resource. If the appropriately.

**Targets :**

**Clusters**

- obdx\_Cluster**
  - All servers in the cluster**
  - Part of the cluster**
    - obdx\_server1**

Back Next Finish Advanced Targeting Cancel

Sample topic is created

Home > Summary of JMS Modules > MultipleTransactionApprovalJMS > Summary of Services > Summary of Service JMS > Summary of JMS Modules > **GcifJMS**

**Messages**

✔ The JMS distributed topic was created successfully.

**Settings for GcifJMS**

<input type="checkbox"/>	OnboardingDraftDeleteTopic	Connection Factory	OnboardingDraftDeleteTopic	Default Targeting	obdx_Cluster
<input type="checkbox"/>	SampleQueue	Uniform Distributed Queue	SampleQueue	GcifSD	GcifJMSServer
<input type="checkbox"/>	SampleTopic1	Uniform Distributed Topic	SampleTopic1	Default Targeting	obdx_Cluster
<input type="checkbox"/>	UBSNotificationTCF	Connection Factory	UBSNotificationTCF	GcifSD	GcifJMSServer

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## 6. JMS Configuration

### 6.1 Access Functionality

#### 6.1.1 Regular Access Functionality

Changes to User Account Access when there is change in Party Account Access.

Sr No.	Name	Type	JNDI Name	Subdeployments	Target
1.	AccountAccessQCF	Connection Factory	AccountAccessQCF	Default Targeting	obapi_cluster
2.	ACCOUNTACCESSQUEUE	Uniform Distributed Queue	ACCOUNTACCESSQUEUE	AccessSD	AccessJMSModule

#### 6.1.2 Account Access for a particular bucket

For splitting bulk account access request to multiple requests. If count of accounts is greater than dayone config value then request is split into N buckets which are handled parallelly.

Sr No.	Name	Type	JNDI Name	Subdeployments	Target
1.	ACCOUNT_ACCESS_ASYNC_BUCKET_QCF	Connection Factory	ACCOUNT_ACCESS_ASYNC_BUCKET_QCF	Default Targeting	obapi_cluster
2.	ACCOUNT_ACCESS_ASYNC_BUCKET_QUEUE	Uniform Distributed Queue	ACCOUNT_ACCESS_ASYNC_BUCKET_QUEUE	AccessSD	AccessJMSModule

#### 6.1.3 Account Access in Bulk

Each request received on this queue will call Host in paginated manner and update status once completed.



Sr No.	Name	Type	JNDI Name	Subdeployments	Target
1.	ACCOUNT_ACCESS_ASYNC_BULK_QCF	Connection Factory	ACCOUNT_ACCESS_ASYNC_BULK_QCF	Default Targeting	obapi_cluster
2.	ACCOUNT_ACCESS_ASYNC_BULK_QUEUE	Uniform Distributed Queue	ACCOUNT_ACCESS_ASYNC_BULK_QUEUE	AccessSD	AccessJMSModule

#### 6.1.4 Subdeployment View

Sr. No.	Name	Resources	Subdeployment
1	AccessSD	ACCOUNTACCESSQUEUE, ACCOUNT_ACCESS_ASYNC_BUCKET_QUEUE, ACCOUNT_ACCESS_ASYNC_BULK_QUEUE	AccessJMSModule

## 6.2 Audit Functionality

### 6.2.1 Audit Functionality

Sr No.	Name	Type	JNDI Name	Subdeployments	Target
1.	API_AUDIT_QUEUE	Uniform Distributed Queue	API_AUDIT_QUEUE	AuditSD	AuditJMSServer
2.	AUDITQCF	Connection Factory	AUDITQCF	Default Targeting	obapi_cluster
3.	AUDIT_ANALYTICS_QUEUE	Uniform Distributed Queue	AUDIT_ANALYTICS_QUEUE	AuditSD	AuditJMSServer
4.	AUDIT_QUEUE	Uniform Distributed Queue	AUDIT_QUEUE	AuditSD	AuditJMSServer

## 6.2.2 Subdeployments Views:

Sr. No.	Name	Resources	Subdeployment
1	AuditSD	AUDIT_QUEUE, API_AUDIT_QUEUE, AUDIT_ANALYTICS_QUEUE	AuditJMSServer

## 6.3 Authentication Functionality

### 6.3.1 Authentication Functionality

Sr No.	Name	Type	JNDI Name	Subdeployments	Target
1.	AUTHAUDITQCF	Connection Factory	AUTHAUDITQCF	Default Targeting	obapi_cluster
2.	AUTH_API_AUDIT_QUEUE	Uniform Distributed Queue	AUTH_API_AUDIT_QUEUE	AuthSD	AuthJMSModule

### 6.3.2 Subdeployment View:

Sr. No.	Name	Resources	Subdeployment
1	AuthSD	AUTH_API_AUDIT_QUEUE	AuthJMSModule

## 6.4 ExtSystemReceiver Functionality

### 6.4.1 ExtSystemReceiver Functionality

Sr No.	Name	Type	JNDI Name	Subdeployments	Target
1.	ExtSystemReceiverQCF	Connection Factory	ExtSystemReceiverQCF	Default Targeting	obapi_cluster

Sr No.	Name	Type	JNDI Name	Subdeployments	Target
2.	ExtSystemReceiverQueue	Uniform Distributed Queue	ExtSystemReceiverQueue	ExtSystemReceiverSub	ExtSystemReceiver

#### 6.4.2 Subdeployment View :

Sr. No.	Name	Resources	Subdeployment
1	ExtSystemReceiverSub	ExtSystemReceiverQueue	ExtSystemReceiver

## 6.5 ExtSystemSender Functionality

### 6.5.1 ExtSystemSender Functionality

Sr No.	Name	Type	JNDI Name	Subdeployments	Target
1.	ExtSystemSenderQCF	ConnectionFactory	ExtSystemSenderQCF	Default Targeting	obapi_cluster
2.	ExtSystemSenderQueue	Uniform Distributed Queue	ExtSystemSenderQueue	ExtSystemSenderSub	ExtSystemSender

#### 6.5.2 Subdeployment View :

Sr. No.	Name	Resources	Subdeployment
1	ExtSystemSenderSub	ExtSystemSenderQueue	ExtSystemSender

## 6.6 File Upload Functionality

### 6.6.1 Bulk CMS functionality

Sr No.	Name	Type	JNDI Name	Subdeployments	Target
1.	BULKCMS_PREPROCESS	Uniform Distributed Queue	BULKCMS_PREPROCESS	FileUploadSD	FileUploadJMS Server
2.	BULKCMS_RAPPROVAL	Uniform Distributed Queue	BULKCMS_RAPPROVAL	FileUploadSD	FileUploadJMS Server

### 6.6.2 BULK CORPORATE LOAN PROCESSING AND APPROVAL

Sr No.	Name	Type	JNDI Name	Subdeployments	Target
1.	BULKCORPORATELOAN_PREPROCESS	Uniform Distributed Queue	BULKCORPORATELOAN_PREPROCESS	Default Targeting	obapi_cluster
2.	BULKCORPORATELOAN_RAPPROVAL	Uniform Distributed Queue	BULKCORPORATELOAN_RAPPROVAL	Default Targeting	obapi_cluster

### 6.6.3 **BULK Electronic Bill Payment Processing and Approval**

Sr No	Name	Type	JNDI Name	Subdeployments	Target
1.	BULKEBPP_PREPROCESS	Uniform Distributed Queue	BULKEBPP_PREPROCESS	FileUploadSD	FileUploadJMSServer
2.	BULKEBPP_RAPPROVAL	Uniform Distributed Queue	BULKEBPP_RAPPROVAL	FileUploadSD	FileUploadJMSServer

### 6.6.4 **BULK PAYMENT FUNCTIONALITY**

Sr No.	Name	Type	JNDI Name	Subdeployments	Target
1.	BULKPAYMENT_PREPROCESS	Uniform Distributed Queue	BULKPAYMENT_PREPROCESS	FileUploadSD	FileUploadJMSServer
2.	BULKPAYMENT_PROCESS	Uniform Distributed Queue	BULKPAYMENT_PROCESS	FileUploadSD	FileUploadJMSServer
3.	BULKPAYMENT_RAPPROVAL	Uniform Distributed Queue	BULKPAYMENT_RAPPROVAL	FileUploadSD	FileUploadJMSServer

## 6.6.5 BULK SCFCM FUNCTIONALITY

Sr No.	Name	Type	JNDI Name	Subdeployments	Target
1.	BULKSCFCM_PREPROCESS	Uniform Distributed Queue	BULKSCFCM_PREPROCESS	FileUploadSD	FileUploadJMS Server

## 6.6.6 Subdeployment View

Sr. No.	Name	Resources	Subdeployment
1	FileUploadSD	RAPPROVAL, PREPROCESS, BULKVAM_RAPPROVAL, BULKVAM_PREPROCESS, BULKTRADEFINANCE_RAPPROVAL, BULKTRADEFINANCE_PREPROCESS, BULKSCFCM_RAPPROVAL, BULKSCFCM_PREPROCESS, BULKPAYMENT_RAPPROVAL, BULKPAYMENT_PREPROCESS, BULKEBPP_RAPPROVAL, BULKEBPP_PREPROCESS, BULKCMS_RAPPROVAL, BULKCMS_PREPROCESS, BULKPAYMENT_PROCESS	FileUploadJMSServer

## 6.7 GCIF Functionality

### 6.7.1 Onboarding Draft updation functionality

Updation of GCIF Status after the GCIF is System Rejected by approval.

Sr No	Name	Type	JNDI Name	Subdeployments	Target
1.	GcifOnboardingDraftUpdateQCF	Connection Factory	GcifOnboardingDraftUpdateQCF	Default Targeting	obapi_cluster

2.	GcifOnboardingDraftUpdateQueue	Uniform Distributed Queue	GcifOnboardingDraftUpdateQueue	Default Targeting	obapi_cluster
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## 6.7.2 Access point functionality

Changes to Party Account Access is handled by these queues.

S r N o.	Name	Type	JNDI Name	Subdeployments	Targest
1.	GCIF_ACCESS_POINT_UPDATE_QCF	Connection Factory	GCIF_ACCESS_POINT_UPDATE_QCF	Default Targeting	obapi_cluster
2.	GCIF_ACCESS_POINT_UPDATE_QUEUE	Uniform Distributed Queue	GCIF_ACCESS_POINT_UPDATE_QUEUE	Default Targeting	obapi_cluster
3.	GCIF_ACCESS_SUBMIT_QCF	Connection Factory	GCIF_ACCESS_SUBMIT_QCF	Default Targeting	obapi_cluster
4.	GCIF_ACCESS_SUBMIT_QUEUE	Uniform Distributed Queue	GCIF_ACCESS_SUBMIT_QUEUE	Default Targeting	obapi_cluster

### 6.7.3 Report mapping functionality at GCIF level

S r N o.	Name	Type	JNDI Name	Subdepl oyments	Targest
1.	GCIF_GCIFREPORT_M APPING_QCF	Conne ction Factor y	GCIF_GCIFREPORT_M APPING_QCF	Default Targeting	obapi_cl uster
2.	GCIF_GCIFREPORT_M APPING_QUEUE	Unifor m Distrib uted Queue	GCIF_GCIFREPORT_M APPING_QUEUE	Default Targeting	obapi_cl uster

### 6.7.4 GCIF onboarding draft functionality

Submission of GCIF Onboarding Wizard.

S r N o.	Name	Type	JNDI Name	Subdepl oyments	Targest
1.	GCIF_ONBOARDING_D RAFT_QCF	Conne ction Factor y	GCIF_ONBOARDING_D RAFT_QCF	Default Targeting	obapi_cl uster
2.	GCIF_ONBOARDING_D RAFT_QUEUE	Unifor m Distrib uted Queue	GCIF_ONBOARDING_D RAFT_QUEUE	Default Targeting	obapi_cl u ster



### 6.7.5 GCIF party functionality

Sr No	Name	Type	JNDI Name	Subdeployments	Target
1.	GCIF_PARTY_FINAL_MIGRATION_QCF	Connection Factory	GCIF_PARTY_FINAL_MIGRATION_QCF	Default Targeting	obapi_cluster
2.	GCIF_PARTY_FINAL_MIGRATION_QUEUE	Uniform Distributed Queue	GCIF_PARTY_FINAL_MIGRATION_QUEUE	Default Targeting	obapi_cluster
3.	GCIF_PARTY_MOVEMENT_REPORT_RESPONSE_QCF	Connection Factory	GCIF_PARTY_MOVEMENT_REPORT_RESPONSE_QCF	Default Targeting	obapi_cluster
4.	GCIF_PARTY_MOVEMENT_REPORT_RESPONSE_QUEUE	Uniform Distributed Queue	GCIF_PARTY_MOVEMENT_REPORT_RESPONSE_QUEUE	Default Targeting	obapi_cluster

### 6.7.6 GCIF processing party

Updation of GCIF Processing status based on status of various transactions performed in the individual steps.

Sr No.	Name	Type	JNDI Name	Subdeployments	Target
1.	GCIF_PROCESSING_STATUS_QCF	Connection Factory	GCIF_PROCESSING_STATUS_QCF	Default Targeting	obapi_cluster
2.	GCIF_PROCESSING_STATUS_QUEUE	Uniform Distributed Queue	GCIF_PROCESSING_STATUS_QUEUE	Default Targeting	obapi_cluster

**6.7.7 GCIF profile creation and updation functionality**

Sr No.	Name	Type	JNDI Name	Subdeployments	Target
1.	GCIF_PROFILE_CREATE_QCF	Connection Factory	GCIF_PROFILE_CREATE_QCF	Default Targeting	obapi_cluster
2.	GCIF_PROFILE_CREATE_QUEUE	Uniform Distributed Queue	GCIF_PROFILE_CREATE_QUEUE	Default Targeting	obapi_cluster
3.	GCIF_PROFILE_UPDATE_QCF	Connection Factory	GCIF_PROFILE_UPDATE_QCF	Default Targeting	obapi_cluster
4.	GCIF_PROFILE_UPDATE_QUEUE	Uniform Distributed Queue	GCIF_PROFILE_UPDATE_QUEUE	Default Targeting	obapi_cluster

**6.7.8 GCIF report mapping functionality at user level**

Sr No.	Name	Type	JNDI Name	Subdeployments	Target
1.	GCIF_REPORT_MAPPING_QCF	Connection Factory	GCIF_REPORT_MAPPING_QCF	Default Targeting	obapi_cluster
2.	GCIF_REPORT_MAPPING_QUEUE	Uniform Distributed Queue	GCIF_REPORT_MAPPING_QUEUE	Default Targeting	obapi_cluster

### 6.7.9 GCIF Rule functionality

Create and Update Rule for a GCIF via Onboarding Wizard.

Sr No.	Name	Type	JNDI Name	Subdeployments	Target
1.	GCIF_RULE_CREATE_QCF	Connection Factory	GCIF_RULE_CREATE_QCF	Default Targeting	obapi_cluster
2.	GCIF_RULE_CREATE_QUEUE	Uniform Distributed Queue	GCIF_RULE_CREATE_QUEUE	Default Targeting	obapi_cluster
3.	GCIF_RULE_DELETE_QCF	Connection Factory	GCIF_RULE_DELETE_QCF	Default Targeting	obapi_cluster
4.	GCIF_RULE_DELETE_QUEUE	Uniform Distributed Queue	GCIF_RULE_DELETE_QUEUE	Default Targeting	obapi_cluster
5.	GCIF_RULE_UPDATE_QCF	Connection Factory	GCIF_RULE_UPDATE_QCF	Default Targeting	obapi_cluster
6.	GCIF_RULE_UPDATE_QUEUE	Uniform Distributed Queue	GCIF_RULE_UPDATE_QUEUE	Default Targeting	obapi_cluster

### 6.7.10 GCIF USER ACCESS functionality

Any changes to User account access in GCIF flow will be handled by these queues.

S r N o.	Name	Type	JNDI Name	Subdeploy ments	Target
1.	GCIF_USERACCESS_S UBMIT_QCF	Conne ction Factor y	GCIF_USERACCESS_S UBMIT_QCF	Default Targeting	obapi_cl uster
2.	GCIF_USERACCESS_S UBMIT_QUEUE	Unifor m Distrib uted Queue	GCIF_USERACCESS_S UBMIT_QUEUE	Default Targeting	obapi_cl uster

### 6.7.11 GCIF USERGROUP functionality

Create and Update UserGroup for a GCIf via Onboarding Wizard.

S r N o.	Name	Type	JNDI Name	Subdeploy ments	Target
1.	GCIF_USERGROUP_CR EATE_QCF	Conne ction Factor y	GCIF_USERGROUP_CR EATE_QCF	Default Targeting	obapi_cl uster
2.	GCIF_USERGROUP_CR EATE_QUEUE	Unifor m Distrib uted Queue	GCIF_USERGROUP_CR EATE_QUEUE	Default Targeting	obapi_cl uster
3.	GCIF_USERGROUP_UP DATE_QCF	Conne ction Factor y	GCIF_USERGROUP_UP DATE_QCF	Default Targeting	obapi_cl uster
4.	GCIF_USERGROUP_UP DATE_QUEUE	Unifor m Distrib uted Queue	GCIF_USERGROUP_UP DATE_QUEUE	Default Targeting	obapi_cl uster

### 6.7.12 GCIF User create and update functionality

Create and Update User for a GCIf via Onboarding Wizard.

Sr No.	Name	Type	JNDI Name	Subdeployments	Target
1.	GCIF_USER_CREATE_QCF	Connection Factory	GCIF_USER_CREATE_QCF	Default Targeting	obapi_cluster
2.	GCIF_USER_CREATE_QUEUE	Uniform Distributed Queue	GCIF_USER_CREATE_QUEUE	Default Targeting	obapi_cluster
3.	GCIF_USER_UPDATE_QCF	Connection Factory	GCIF_USER_UPDATE_QCF	Default Targeting	obapi_cluster
4.	GCIF_USER_UPDATE_QUEUE	Uniform Distributed Queue	GCIF_USER_UPDATE_QUEUE	Default Targeting	obapi_cluster

### 6.7.13 GCIF workflow create functionality

Create and Update Workflow for a GCIf via Onboarding Wizard.

Sr No.	Name	Type	JNDI Name	Subdeployments	Target
1.	GCIF_WORKFLOW_CREATE_QCF	Connection Factory	GCIF_WORKFLOW_CREATE_QCF	Default Targeting	obapi_cluster

Sr No.	Name	Type	JNDI Name	Subdeployments	Target
2.	GCIF_WORKFLOW_CREATE_QUEUE	Uniform Distributed Queue	GCIF_WORKFLOW_CREATE_QUEUE	Default Targeting	obapi_cluster
3.	GCIF_WORKFLOW_UPDATE_QCF	Connection Factory	GCIF_WORKFLOW_UPDATE_QCF	Default Targeting	obapi_cluster
4.	GCIF_WORKFLOW_UPDATE_QUEUE	Uniform Distributed Queue	GCIF_WORKFLOW_UPDATE_QUEUE	Default Targeting	obapi_cluster

#### 6.7.14 GCIF Onboarding Draft cancellation functionality

The Following Topic and QCF is used in the below two cases :

- 1) Used in case of Cancellation of GCIF by maker.
- 2) Used in case where the GCIF is rejected by one of its approvers.

Sr No.	Name	Type	JNDI Name	Subdeployments	Target
1.	OnboardingDraftDeleteQCF	Connection Factory	OnboardingDraftDeleteQCF	Default Targeting	obapi_cluster
2.	OnboardingDraftDeleteTopic	Uniform Distributed Queue	OnboardingDraftDeleteTopic	Default Targeting	obapi_cluster

### 6.7.15 Subdeployment View

Sr. No.	Name	Resources	Subdeployment
1	GcifSD		GcifJmsServer

## 6.8 jpa-cache Functionality

### 6.8.1 jpa-cache Functionality

Sr No.	Name	Type	JNDI Name	Subdeployments	Targest
1.	jms/jpa-cache-cf	Connection Factory	jms/jpa-cache-cf	Default Targeting	obapi_cluster
2.	jms/jpa-cache-topic	Uniform Distributed Queue	jms/jpa-cache-topic	Default Targeting	obapi_cluster

### 6.8.2 Subdeployment View

Sr. No.	Name	Resources	Subdeployment
1	jpa-cache-sd		jpa-cache

## 6.9 Multiple Transaction Approval Functionality

### 6.9.1 Multiple Transaction Approval Functionality

Approval of any transactions from the pending-for-approval listing screen

Sr No	Name	Type	JNDI Name	Subdeployments	Target
1.	MultipleTransactionServiceInvocationQueue	Uniform Distributed Queue	MultipleTransactionServiceInvocationQueue	MultipleTransactionApprovalISD	MultipleTransactionApprovalJMSServer
2.	MultipleTransactionServiceInvocationQCF	ConnectionFactory	MultipleTransactionServiceInvocationQCF	MultipleTransactionApprovalISD	MultipleTransactionApprovalJMSServer
3.	MultipleTransactionServiceInvocationResponseQCF	ConnectionFactory	MultipleTransactionServiceInvocationResponseQCF	MultipleTransactionApprovalISD	MultipleTransactionApprovalJMSServer
4.	MultipleTransactionServiceInvocationResponseQueue	Uniform Distributed Queue	MultipleTransactionServiceInvocationResponseQueue	MultipleTransactionApprovalISD	MultipleTransactionApprovalJMSServer



## 6.9.2 Subdeployment View

Sr. No.	Name	Resources	Subdeployment
1	MultipleTransactionApprovalSD	MultipleTransactionServiceInvocationResponseQueue, MultipleTransactionServiceInvocationQueue, MultipleTransactionServiceInvocationQCF, MultipleTransactionServiceInvocationResponseQCF	MultipleTransactionApprovalSD

## 6.10 NotificationServer

### 6.10.1 NotificationServer functionality

This contains Queues/Topics which are consumed by Demand Deposit, Term Deposit, Loan, Insights, Config modules

1. Queues which listens to Host(UBS) queues and transfers messages to internal topics for various operation. This includes Account Access automapping, sending host alerts to customer, insights updates.

2. Queues which listens to any changes to dayone configuration and update the cache.

Sr No.	Name	Type	JNDI Name	Subdeployments	Targest
1.	NotificationQCF	Connection Factory	NotificationQCF	Default Targeting	obapi_cluster
2.	NotificationTCF	Connection Factory	NotificationTCF	Default Targeting	obapi_cluster
3.	NOTIFICATION_QUEUE	Uniform Distributed Queue	NOTIFICATION_QUEUE	Default Targeting	obapi_cluster
4.	NOTIFICATION_TOPIC	Uniform Distributed Queue	NOTIFICATION_TOPIC	Default Targeting	obapi_cluster

Sr No.	Name	Type	JNDI Name	Subdeployments	Targest
5.	UBSNotificationTCF	Connec tion Factory	UBSNotificationTCF	Default Targeting	obapi_clust er
6.	UBS_NOTIFICATIO N_TOPIC	Uniform Distribut ed Topic	UBS_NOTIFICATIO N_TOPIC	Default Targeting	obapi_clust er

### 6.10.2 Subdeployment View

Sr. No.	Name	Resources	Subdeployment
1	NotificationSD		NotificationServer

## 6.11 OBPMSystemModule

### 6.11.1 OBPMSystemModule

Sr No.	Name	Type	JNDI Name	Subdeployments	Targest
1.	OBPMForeignServer	Foreign Server	N/A	OBPMSubdeployment	obapi_cluster

### 6.11.2 Subdeployment View

Sr. No.	Name	Resources	Subdeployment
1	OBPMSubdeployment		obapi_cluster

## 6.12 Payment Functionality

### 6.12.1 Payment Functionality

Sr No	Name	Type	JNDI Name	Subdeployments	Target
1.	DMS_QUEUE_FOREIGN_SERVER	Foreign Server	N/A	PaymentSD	PaymentJMSServer

### 6.12.2 Subdeployment View

Sr. No.	Name	Resources	Subdeployment
1	PaymentSD		PaymentJMSServer

## 6.13 Policies Functionality

### 6.13.1 Policies Functionality

PoliciesTopic is used to update RTM cache asynchronously after creating or updating role so that RTM changes get reflected on the fly without server restart.

Sr No.	Name	Type	JNDI Name	Subdeployments	Targest
1.	POLICIESQCF	Connection Factory	POLICIESQCF	Default Targeting	obapi_cluster
2.	PoliciesTopic	Uniform Distributed Queue	PoliciesTopic	Default Targeting	obapi_cluster

### 6.13.2 Subdeployment View

Sr. No.	Name	Resources	Subdeployment
1	PoliciesSD		PoliciesJMS

## 6.14 Reports Functionality

### 6.14.1 Reports Functionality

This queues are used in Adhoc and schedules reports.

Sr No	Name	Type	JNDI Name	Subdeployments	Targest
1.	REPORTADHOC	Uniform Distributed Queue	REPORTADHOC	Default Targeting	obapi_cluster
2.	REPORTSCHEDULED	Uniform Distributed Queue	REPORTSCHEDULED	Default Targeting	obapi_cluster

Sr No	Name	Type	JNDI Name	Subdeployments	Targest
3.	ReportsQCF	Connecti on Factory	ReportsQCF	Default Targeting	obapi_clust er

### 6.14.2 Subdeployment View

Sr. No.	Name	Resources	Subdeployment
1	PoliciesSD		PoliciesJMS

## 6.15 UBSSystemModule functionality

### 6.15.1 UBSSystemModule functionality

Sr No.	Name	Type	JNDI Name	Subdeployments	Targest
1.	UBSForeignServer	Foreign Server	N/A	UBSSubdeployment	obapi_cluster

### 6.15.2 Subdeployment View

Sr. No.	Name	Resources	Subdeployment
1	UBSSubdeployment		obapi_cluster

## 6.16 UserGroupUser Functionality

### 6.16.1 UserGroupUser Functionality

Sr No.	Name	Type	JNDI Name	Subdeployments	Targest
1.	UserGroupUser QCF	Connection Factory	UserGroupUser QCF	Default Targeting	obapi_cluster
2.	UserGroupUser Topic	Topic	UserGroupUser Topic	UserGroupUserSD	UserGroupUserJMS Server

### 6.16.2 Subdeployment View

Sr. No.	Name	Resources	Subdeployment
1	UserGroupUserSD	UserGroupUserTopic	UserGroupUserJMSServer

## 6.17 Party Movement Report Functionality

### 6.17.1 Party Movement Report Functionality

Party Movement Report indicates usage/dependencies of the parties to be moved from one GCIF to another GCIF among specified modules.

Sr No.	Name	Type	JNDI Name	Subdeployments	Targest
1.	PartyMovementReport QCF	Connection Factory	PartyMovementReport QCF	Default Targeting	obapi_cluster
2.	PartyMovementReport Topic	Uniform Distributed Topic	PartyMovementReport Topic	Default Targeting	obapi_cluster

**6.17.2 Subdeployment View**

Sr. No.	Name	Resources	Subdeployment
1	PartyMovementReportSD		PartyMovementReportJMS