

Resources to be created  
Oracle FLEXCUBE Investor Servicing  
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# 1. Resources to be created on Application Server

## 1.1 Introduction

This chapter explains list of resources to be created for FCIS application.

## 1.2 Resource Types

Configure the application server for Oracle FLEXCUBE Application. Ensure that the following resources are available before deployment:

- Data source
- JMS resources
- Debug paths for host and branch

## 1.3 Resource Pre-requisites for Plug-ins

Resource prerequisites for different plug-ins are explained below. In case you wish to include a plug-in, ensure that the corresponding resources are created.

### 1.3.1 Oracle FLEXCUBE IS

FCIS needs below resources before deployment. Create the following queues and connection factories in the application server.

#### **JMS Connection Factories**

QCF Label	QCF
Notify Destination QCF	NotifyDestQCF
Deferred QCF	DefferedDestQCF
Notify QCF	NOTIFY_MDB_QCF
Incoming QCF	EmsQcf
BIP QCF	BIPQCF
GI Upload QCF	GI_UPLOAD_QCF
<Internally Referred>	ELMDBQCF
<Internally Referred>	EL_NOTIFY_QCF

## Queues

Create the following queues:

QUEUE Label	QUEUE
Notify Destination Queue Name	NOTIFY_DEST_QUEUE
Deferred Queue Name	DEFERRED_DEST_QUEUE
Notify Queue Name	NOTIFY_QUEUE
Dead Letter Queue name	NOTIFY_QUEUE_DLQ
Incoming BackupQueue name	EMS_QUEUE_BACK
Incoming Dead Letter Queue name	EMS_QUEUE_DLQ
Incoming Queue Name	EMS_INQUEUE
Outgoing Queue Name	EMS_OUTQUEUE
SFMS Incoming Queue	SFMS_INQUEUE
RTGS Incoming Queue	RTGS_INQUEUE
BIP Queue Name	INTERNAL_BIPREPORT_QUEUE
BIP Dead Letter Queue Name	INTERNAL_BIP_QUEUE_DLQ
BIPadvice Queue Name	INTERNAL_BIPADVREPORT_QUEUE
BIPadvice Dead Letter Queue Name	INTERNAL_BIP_ADVICE_QUEUE_DLQ
GI Upload Queue Name	INTERNAL_GI_UPLOAD_QUEUE
GI Upload Dead Letter Queue Name	INTERNAL_GI_UPLOAD_DLQ
<Internally Referred>	ELMDB_REQ_Q
<Internally Referred>	ELMDB_RES_Q
<Internally Referred>	ELMDB_DLQ
<Internally Referred>	EL_NOTIFY_REQ_Q
<Internally Referred>	EL_NOTIFY_RES_Q
<Internally Referred>	EL_NOTIFY_DLQ

### Data source

Datasource Name	Datasource Label	Type	Default Value
INIT_DATASOURCE	Data Source	NON-XA	jdbc/fcjdevDS
SCHEDULER_DS	Scheduler Datasource	XA	jdbc/fcjSchedulerDS



Note the following:

- You need to create XA data source for Oracle FCIS with the JNDI name ‘\_XA’ for Scheduler. For example, if the Oracle FCIS HOST Non XA data source JNDI name is ‘jdbc/fcjdevIS’, then you need to create another data source for FCIS with the JNDI name ‘jdbc/fcjdevIS\_XA’.
- In addition to above mentioned data sources, for each LOB schema, data source configuration need to be created.

## 1.4 Gateway

If scheduler is included in the property file, create the following queues and connection factories in the application server.

### Connection Factories

Create the following connection factories:

QCF Label	QCF
MDB QCF	MDBQCF

**All these must be XA enabled.**

### Queues

Create the following queues:

QUEUE Label	QUEUE
MDB Request Queue	MDB_QUEUE
MDB Response Queue	MDB_QUEUE_RESPONSE
MDB DL Queue	MDB_QUEUE_DLQ

### DataSource

Datasource Name	Datasource Label	Type	Default Value
FCUBS_MSG_SCHEMA_CON_POOLNAME	DataSource	XA for MDB and NON-XA for others	FLEXTTEST.WORLD



In addition to above mentioned data sources, for each LOB schema, data source configuration need to be created.

## 1.5 Scheduler

If scheduler is included in the property file, create the following queues and connection factories in the application server.

### Connection Factories

Create the following connection factories:

QCF Label	QCF
Notify Destination QCF	NotifyDestQCF
Deferred QCF	DefferedDestQCF
Notify QCF	NOTIFY_MDB_QCF
Incoming QCF	EmsQcf
BIP QCF	BIPQCF
GI Upload QCF	GI_UPLOAD_QCF

**All these must be XA enabled.**

## Queues

Create the following queues:

QUEUE Label	QUEUE
Notify Destination Queue Name	NOTIFY_DEST_QUEUE
Deferred Queue Name	DEFERRED_DEST_QUEUE
Notify Queue Name	NOTIFY_QUEUE
Dead Letter Queue name	NOTIFY_QUEUE_DLQ
Incoming BackupQueue name	EMS_QUEUE_BACK
Incoming Dead Letter Queue name	EMS_QUEUE_DLQ
Incoming Queue Name	EMS_INQUEUE
Outgoing Queue Name	EMS_OUTQUEUE
SFMS Incoming Queue	SFMS_INQUEUE
RTGS Incoming Queue	RTGS_INQUEUE
BIP Queue Name	INTERNAL_BIPREPORT_QUEUE
BIP Dead Letter Queue Name	INTERNAL_BIP_QUEUE_DLQ
BIPadvice Queue Name	INTERNAL_BIPADVREPORT_QUEUE
BIPadvice Dead Letter Queue Name	INTERNAL_BIP_ADVICE_QUEUE_DLQ
GI Upload Queue Name	INTERNAL_GI_UPLOAD_QUEUE
GI Upload Dead Letter Queue Name	INTERNAL_GI_UPLOAD_DLQ

## Topic Connection Factory

NotifyDestTCF

### Topic

NOTIFY\_DEST\_TOPIC

Datasource Name	Datasource Label	Type	Default Value
INIT_DATASOURCE	Data Source	NON-XA	jdbc/fcjdevDS
SCHEDULER_DS	Scheduler Datasource	XA	jdbc/fcjSchedulerDS



You need to create XA data source for Oracle FCIS with the JNDI name `_XA` for scheduler. For example, if the Oracle FCIS HOST Non XA data source JNDI name is `'jdbc/fcjdevDS'`, then you need to create another data source for FCIS with the JNDI name `'jdbc/fcjdevDS_XA'`.

To configure scheduler and EMS with MQ series, follow the steps given below.

- Create queues in MQ Series
- Create binding file
- Copy the MQ series JAR files to Oracle WebLogic domain library folder

## Security Provider Libraries

If you wish to include signing process for SFMS messages, you need to set the following library.

File Name	Download Location	Instructions
bcprov-jdk(Latest Qualified Version).jar	<a href="http://www.bouncycastle.org/latest_releases.html">http://www.bouncycastle.org/latest_releases.html</a>	<p>Copy the file '<b>bcprov-jdk(Latest Qualified Version).jar</b>' to the directory '<b>{WL_JAVA_HOME}/jre/lib/ext</b>'</p> <p>Here, 'WL_JAVA_HOME' is the Java root directory from which WebLogic server is running.</p> <p>Restart Oracle WebLogic server.</p>

For details on latest version of the software qualified with Oracle FLEXCUBE, refer to the release certificate.



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