

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. 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

## 1.2 Resource prerequisites 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.

### 1.2.1 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.

## 1.3 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_POOL<br>NAME | DataSource       | XA for MDB<br>and<br>NON-XA for<br>others | FLEXTTEST.WORLD |



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

## 1.4 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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