

# Oracle® FLEXCUBE Investor Servicing Resources to be created



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Oracle FLEXCUBE Investor Servicing Resources to be created, Release 14.7.7.0.0

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## 1 Resources to be created on Application Server

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# Preface

**Oracle FLEXCUBE Investor Servicing** is a comprehensive mutual funds automation software from Oracle® Financial Servicing Software Ltd.©.

You can use the system to achieve optimum automation of all your mutual fund investor servicing processes, as it provides guidelines for specific tasks, descriptions of various features and processes, and general information.

This topic contains the following sub-topics:

- [Purpose](#)
- [Audience](#)
- [Documentation Accessibility](#)
- [Critical Patches](#)
- [Diversity and Inclusion](#)
- [Conventions](#)
- [Screenshot Disclaimer](#)
- [Acronyms and Abbreviations](#)

## Purpose

This manual is designed to help acquaint you with the installation of **Oracle FLEXCUBE Investor Servicing** application.

## Audience

This manual is intended for the following User/User Roles:

**Table 1 Users and Roles**

| Users               | Roles                                                       |
|---------------------|-------------------------------------------------------------|
| Implementation team | Implementation of Oracle FLEXCUBE Investor Servicing        |
| Presales team       | Install Oracle FLEXCUBE Investor Servicing for demo purpose |
| Bank personnel      | Who installs Oracle FLEXCUBE Investor Servicing             |

## 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>.

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Oracle is fully committed to diversity and inclusion. Oracle respects and values having a diverse workforce that increases thought leadership and innovation. As part of our initiative to build a more inclusive culture that positively impacts our employees, customers, and partners, we are working to remove insensitive terms from our products and documentation. We are also mindful of the necessity to maintain compatibility with our customers' existing technologies and the need to ensure continuity of service as Oracle's offerings and industry standards evolve. Because of these technical constraints, our effort to remove insensitive terms is ongoing and will take time and external cooperation.

## Conventions

The following text conventions are used in this document:

| Convention             | Meaning                                                                                                                                |
|------------------------|----------------------------------------------------------------------------------------------------------------------------------------|
| <b>boldface</b>        | Boldface type indicates graphical user interface elements associated with an action, or terms defined in text or the glossary.         |
| <i>italic</i>          | Italic type indicates book titles, emphasis, or placeholder variables for which you supply particular values.                          |
| <code>monospace</code> | Monospace type indicates commands within a paragraph, URLs, code in examples, text that appears on the screen, or text that you enter. |

## Screenshot Disclaimer

Personal information used in the interface or documents is dummy and does not exist in the real world. It is only for reference purposes.

## Acronyms and Abbreviations

The list of the acronyms and abbreviations used are as follows:

**Table 2 Acronyms and Abbreviations**

| Abbreviation | Description                        |
|--------------|------------------------------------|
| FCIS         | Oracle FLEXCUBE Investor Servicing |
| OEM          | Oracle Enterprise Manager          |

**Table 2 (Cont.) Acronyms and Abbreviations**

| Abbreviation | Description                  |
|--------------|------------------------------|
| EMS          | Electronic Messaging Service |
| EJB          | Enterprise Java Bean         |
| MDB          | Message Driven Beans         |

# 1

## Resources to be created on Application Server

This topic provides information on creating the resources for application server.

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

This topic consists the following sub-topics:

- [Resource Types](#)  
This topic explains the resource types before deploying the Oracle FLEXCUBE Application.
- [Resource prerequisites for Plug-ins](#)  
This topic explains the resource plug-ins prerequisites.
- [Gateway](#)  
This topic explains the Connection Factories, Queues, and Data Sources required for the Gateway.
- [Scheduler](#)  
This topic explains the Connection Factories, Queues, and Data Sources required for the Scheduler.
- [Configure Scheduler and EMS](#)  
This topic provides instructions to configure scheduler and EMS.
- [Security Provider Libraries](#)  
This topic provides information on security provider libraries.

### 1.1 Resource Types

This topic explains the resource types before deploying the Oracle FLEXCUBE Application.

Configure the application server for the 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

This topic explains the resource plug-ins prerequisites.

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.

- [Oracle FLEXCUBE IS](#)  
This topic explains the Connection Factories, Queues, and Data Sources required for the JMS.

## 1.2.1 Oracle FLEXCUBE IS

This topic explains the Connection Factories, Queues, and Data Sources required for the JMS.

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

- JMS Connection Factories**

**Table 1-1 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**

**Table 1-2 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                 |

- **Datasource**

**Table 1-3 Datasource**

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

 **Note:**

- 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

This topic explains the Connection Factories, Queues, and Data Sources required for the Gateway.

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

- **Connection Factories**

**Table 1-4 Connection Factories**

| QCF Label | QCF    |
|-----------|--------|
| MDB QCF   | MDBQCF |

 **Note:**

All these must be XA enabled.

- **Queues**

**Table 1-5 Queues**

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

- **Datasource**

**Table 1-6 Data Source**

| Datasource Name                   | Datasource Label | Type                                  | Default Value    |
|-----------------------------------|------------------|---------------------------------------|------------------|
| FCUBS_MSG_SCHEM<br>A_CON_POOLNAME | DataSource       | XA for MDB and NON-<br>XA for others. | FLEXTTEST.WORL D |
| FCUBS_SMS_POOL_<br>NAME           | DataSource       | NON-XA                                | jdbc/fcjsmsDS    |

 **Note:**

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

## 1.4 Scheduler

This topic explains the Connection Factories, Queues, and Data Sources required for the Scheduler.

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

In the case of Remote Scheduler, create the following queues, connection factories, and Datasources in the application server where scheduler EAR will be deployed.

- Connection Factories**

**Table 1-7 Connection Factories**

| QCF Label              | QCF             |
|------------------------|-----------------|
| Notify Destination QCF | NotifyDestQCF   |
| Deferred QCF           | DeferredDestQCF |
| Notify QCF             | NOTIFY_MDB_QCF  |
| Incoming QCF           | EmsQcf          |
| Sanction Check QCF     | SNCKREQQCF      |
| GI Upload QCF          | GI_UPLOAD_QCF   |

 **Note:**

All these must be XA enabled.

- Queues**

**Table 1-8 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    |

**Table 1-8 (Cont.) Queues**

| QUEUE Label                      | QUEUE                    |
|----------------------------------|--------------------------|
| 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             |
| Sanction Check Request Queue     | SNCKREQ_QUEUE            |
| Sanction Check Response Queue    | SNCKRES_QUEUE            |
| Sanction Check Listener Queue    | SNCKASYNC_QUEUE          |
| 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
- **Datasources**

**Table 1-9 Datasources**

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

 **Note:**

You need to create another XA data source for Oracle FCUBS with the JNDI name '\_XA' for Scheduler. For example, if the Oracle FCUBS HOST Non-XA data source JNDI name is jdbc/fcjdevDS', then you need to create another data source for FCUBS with the JNDI name jdbc/fcjdevDS\_XA.

## 1.5 Configure Scheduler and EMS

This topic provides instructions to configure scheduler and EMS.

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

1. Create queues in MQ Series .
2. Create binding file.
3. Copy the MQ series JAR files to Oracle WebLogic domain library folder.

## 1.6 Security Provider Libraries

This topic provides information on security provider libraries.

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

**Table 1-10 Security Provider Libraries**

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

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