Oracle® FLEXCUBE Investor Servicing
Resources to be created

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Oracle FLEXCUBE Investor Servicing Resources to be created, Release 14.8.0.0.0

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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:

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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.

Access to Oracle Support

Oracle customer access to and use of Oracle support services will be pursuant to the terms and conditions specified in their Oracle order for the applicable services.

Critical Patches

Oracle advises customers to get all their security vulnerability information from the Oracle Critical Patch Update Advisory, which is available at Critical Patches, Security Alerts and Bulletins. All critical patches should be applied in a timely manner to ensure effective security, as strongly recommended by Oracle Software Security Assurance.

Diversity and Inclusion

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
boldface	Boldface type indicates graphical user interface elements associated with an action, or terms defined in text or the glossary.
italic	Italic type indicates book titles, emphasis, or placeholder variables for which you supply particular values.
`monospace`	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

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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	DEFFERED_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 A_CON_POOLNAM E	DataSource	XA for MDB and NON-XA for others.	FLEXTEST.WORL D
FCUBS_SMS_POOL_ 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	DefferedDestQCF
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	DEFFERED_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
bcprovjdk.jar (Latest Qualified Version)	https://www.bouncycastle.org/latest_releases.html	Copy the file **bcprovjdk.jar** (Latest Qualified Version) to the directory `{WL_JAVA_HOME}/jre/lib /ext` Here, **WL_JAVA_HOME** is the Java root directory from which the WebLogic server is running. Restart Oracle WebLogic server.

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