Resources to be created
Oracle FLEXCUBE Investor Servicing
Release 14.7.3.0.0
[December] [2023]

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FINANCIAL SERVICES

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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

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Queues

Create the following 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

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 <u>Gateway</u>

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	FLEXTEST.WORLD

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

1.5 <u>Scheduler</u>

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

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All these must be XA enabled.

Queues

Create the following 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

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.

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File Name	Download Location	Instructions
bcprov-jdk(Latest Qualified Version).jar	http://www.bouncycastle.org/latest_releases.html	Copy the file '**bcprov-jdk(Latest Qualified Version).jar**' to the directory '**{WL_JAVA_HOME}/jre/lib/ext**' Here, 'WL_JAVA_HOME' is the Java root directory from which 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.

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[December] [2023]
Version 14.7.3.0.0

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