Resources to be created
Oracle FLEXCUBE Universal Banking
Release 12.1.0.0.0
[October] [2015]

ORACLE®
FINANCIAL SERVICES

ORACLE®

Table of Contents

ORACLE®

1.   Resources to be created on Application Server

1.1   Introduction

This chapter explains list of resources to be created for FCUBS 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 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.

1.3.1   FLEXCUBE UBS

FCUBS 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:

ORACLE®

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
BRANCH_CENTRALIZED_DS	Data Source	XA	jdbc/fcjDevXADS
SCHEDULER_DS	Scheduler Datasource	XA	jdbc/fcjSchedulerDS

🛑 Note the following:

You need to create two more data sources for Oracle FCUBS

- Scheduler : You need to create 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'.

- Batch Process: You need to create data source for Oracle FCUBS with the JNDI name '_ASYNC for batch process. 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_ ASYNC.

1.3.2 **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	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

ORACLE®

Topic

- NOTIFY_DEST_TOPIC

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

Datasources

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 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'.

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	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.

1.3.3 <u>Gateway</u>

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

ORACLE®

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

1.3.4 Payment Job Framework

If Payment Job framework application has to be deployed, create the following queues and connection factories in the application server.

JMS Connection Factories

Create the following connection factories:

QCF Label	QCF
Notification QCF	PM_NOTIFY_MDBQCF
Notification Queue	NOTIFY_QCF
Scheduler QCF	SchedulerQCF

JMS Queues

Create the following queues:

QUEUE Label	QUEUE
Scheduler Queue	SchedulerQueue

ORACLE®

In case, JMS objects are maintained remotely to the application server, necessary server specific settings should be configured (like Messaging Bridge / Listeners in case of Weblogic / Websphere), to make the JNDIs available locally.

Note: - All JMS objects must be XA enabled and have file-store for persistence.

An non-XA data-source (with Emulate two-phase commit option) has to be created with the JNDI as mentioned during Job framework application property file creation for database connection.

Datasource

Datasource Name	Datasource Label	Type	Default Value
SCHEDULER_DATASOURCE	Data Source	NON-XA	jdbc/SchedulerDS

1.3.5 Payment Gateway

If Payment Gateway application has to be deployed, create the following queues and connection factories in the application server.

JMS Connection Factories

Create the following connection factories:

QCF Label	QCF
Gateway QCF	PM_GW_QCF
Notify Dest QCF	PM_NOTIFY_MDBQCF

JMS Queues

Create the following queues:

QUEUE Label	QUEUE
Notify Dest Queue	PM_NOTIFY_DEST_QUEUE
Gateway Request Queue	PM_GW_REQ_QUEUE
Gateway Response Queue	PM_GW_RES_QUEUE
Gateway DL Queue	PM_GW_DL_QUEUE

Note :- All these must be XA enabled.

Datasource

Datasource Name	Datasource Label	Type	Default Value
APP.DS	Data Source	NON-XA	jdbc/PMGateway

ORACLE®

A JMS connection factory and two JMS Queues has to be created with the JNDI as mentioned during Payment Gateway application property file creation for MDB response and MDB dead letter.

A JMS connection factory and a JMS Queues have to be created with the JNDI as mentioned during Payment Gateway application property file creation for notifications.

An XA data-source has to be created with the JNDI as mentioned during Payment Gateway application property file creation for database connection.

In case, JMS objects are maintained remotely to the application server, necessary server specific settings should be configured (like Messaging Bridge / Listeners in case of Weblogic / Websphere), to make the JNDIs available locally.

1.3.6 FLEXCUBE Messaging

If FCM (FLEXCUBE Messaging for Payments) application has to be deployed, create the following queues and connection factories in the application server.

JMS Connection Factories

Create the following connection factories:

QCF Label	QCF
FC Message QCF	FCM_QCF
EMS QCF	EmsQcf

JMS Queues

Create the following queues:

QUEUE Label	QUEUE
Message Receiver Queue	FCM_RECEIVER
Bulk Valuator Queue	FCM_BULKER
File Task Executor	FILE_PROCESSOR
FCM Request Queue	PM_GW_REQ_QUEUE
FCM Response Queue	pymtGatewayResQ
Incoming EMS Queue Name	EMS_INQUEUE

Note: - All JMS objects must be XA enabled and have file-store for persistence.

An Non-XA data-source has to be created with the JNDI as mentioned in the data source property during FCM application property file creation for database connection.

ORACLE®

Datasource

Datasource Name	Datasource Label	Type	Default Value
JDBC_DATASOURCE	Data Source	NON-XA	jdbc\dev

1.3.7 ELCM

If ELCM application has to be deployed, create the following queues and connection factories in the application server.

JMS Connection Factories

Create the following connection factories:

QCF Label	QCF
EL gateway Notify QCF	EL_NOTIFY_QCF
EL Gateway MDB QCF	ELMDBQCF
Notify Destination QCF	NotifyDestQCF
Deferred QCF	DefferedDestQCF
Notify QCF	NOTIFY_MDB_QCF
Incoming QCF	EmsQcf
BIP QCF	BIPQCF
GI Upload QCF	GI_UPLOAD_QCF

JMS Queues

Create the following queues:

QUEUE Label	QUEUE
EL gateway Notify Request Queue Name	EL_NOTIFY_REQ_Q
EL gateway Notify Response Queue Name	EL_NOTIFY_RES_Q
EL gateway Notify DeadLetter Queue Name	EL_NOTIFY_DLQ
EL Gateway MDB Request Queue Name	ELMDB_REQ_Q
EL Gateway MDB Response Queue Name	ELMDB_RES_Q
EL Gateway MDB DeadLetter Queue Name	ELMDB_DLQ
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

ORACLE

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

For ELCM , We need to create the following data sources for JDBC resources:

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

1.3.8 <u>FGL</u>

If FGL application has to be deployed, create the following queues and connection factories in the application server.

JMS 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

JMS 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

ORACLE®

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

For FGL , We need to create the following data sources for JDBC resources:

Data Source:

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

ORACLE

ORACLE®

Resources to be created.
[October] [2015]
Version 12.1.0.0.0

Oracle Financial Services Software Limited
Oracle Park
Off Western Express Highway
Goregaon (East)
Mumbai, Maharashtra 400 063
India

Worldwide Inquiries:
Phone: +91 22 6718 3000
Fax:+91 22 6718 3001
www.oracle.com/financialservices/

ORACLE®