Resources to be Created

Oracle FLEXCUBE Universal Banking

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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 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



Note the following:

In case of Multi Entity, all data sources must be created separately for each entity. The JNDI name will be differentiated by suffixing entity name.

Examples: If Data source is 'jdbc/fcjDevDs' then jdbc/fcjDevDs+entity name will be lookup the application. (jdbc/fcjDevDs+entity name) jndi should be presented in application server

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
GI Upload QCF	GI_UPLOAD_QCF
Sanction Check QCF	SNCKREQQCF
<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	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
GI Upload Queue Name	INTERNAL_GI_UPLOAD_QUEUE
GI Upload Dead Letter Queue Name	INTERNAL_GI_UPLOAD_DLQ
BulkerMDB Queue	EMS_BULKERQUE
Sanction Check Request Queue	SNCKREQ_QUEUE
Sanction Check Response Queue	SNCKRES_QUEUE
Sanction Check Listener Queue	SNCKASYNC_QUEUE
<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

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- 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 SMS

SMS needs below Data sources before deployment.

DataSource

Datasource Name	Datasource Label	Type	Default Value
FCUBS_SMS_POOL_NAME	DataSource	NON-XA	jdbc/fcjsmsDS

1.3.3 Scheduler

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

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

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
Sanction Check QCF	SNCKREQQCF
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
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

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.

1.3.4 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	Type	Default Value

	Label		
FCUBS_MSG_SCHEMA_CON_POOLNAME	DataSource	XA for MDB and NON-XA for others	FLEXTEST.WORLD
FCUBS_SMS_POOL_NAME	DataSource	NON-XA	jdbc/fcjsmsDS

1.3.5 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
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
Incoming Queue Name	EMS_INQUEUE
Outgoing Queue Name	EMS_OUTQUEUE

SFMS Incoming Queue	SFMS_INQUEUE
RTGS Incoming Queue	RTGS_INQUEUE
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

1.3.6 REST API services

The following Datasource has to be created for REST API Service Application:

Data Source:

Datasource Name	Datasource Label	Type	Default Value
INIT_DATASOURCE	Data Source	XA	jdbc/fcliteAPIDS

1.3.7 OBCL

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

For OBCL, 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
SMS_DATASOURCE	Data Source	NON-XA	jdbc/fcjsmsDS
SCHEDULER_DS	Scheduler DataSource	NON-XA	jdbc/fcjSchedulerDS



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