Resources to be created Oracle FLEXCUBE Universal Banking Release 12.3.0.0.0 [December] [2016]





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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 <u>Resource Types</u>

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
BIP QCF	BIPQCF
GI Upload QCF	GI_UPLOAD_QCF
<internally referred=""></internally>	ELMDBQCF
<internally referred=""></internally>	EL_NOTIFY_QCF



Queues

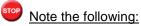
Create the following queues:

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
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=""></internally>	ELMDB_REQ_Q
<internally referred=""></internally>	ELMDB_RES_Q
<internally referred=""></internally>	ELMDB_DLQ
<internally referred=""></internally>	EL_NOTIFY_REQ_Q
<internally referred=""></internally>	EL_NOTIFY_RES_Q
<internally referred=""></internally>	EL_NOTIFY_DLQ

Data source

Datasource Name	Datasource Label	Туре	Default Value
INIT_DATASOURCE	Data Source	NON-XA	jdbc/fcjdevDS
BRANCH_CENTRALIZED_DS	Data Source	ХА	jdbc/fcjDevXADS
SCHEDULER_DS	Scheduler Datasource	XA	jdbc/fcjSchedulerDS





You need to create two more data sources for Oracle FCUBS

- <u>Scheduler</u>: 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'.
- <u>Batch Process:</u> 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

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

Create the following connection factories:

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

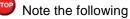
• NOTIFY_DEST_TOPIC

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	Туре	Default Value
INIT_DATASOURCE	Data Source	NON-XA	jdbc/fcjdevDS
SCHEDULER_DS	Scheduler Datasource	ХА	jdbc/fcjSchedulerDS



 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 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 Label	Туре	Default Value
FCUBS_MSG_SCHEMA_CON_POOLNA		XA for	FLEXTEST.WORL
ME		MDB	D
	DataCauraa	and	
	DataSource	NON-	
		XA for	
		others	

1.3.1 <u>OFTW</u>

If OFTW (Oracle Flexcube Testing Workbench) 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
RTTDest QCF	RTTDestQCF

This must be XA enabled.

Queues

Create the following queues:

QUEUE Label	QUEUE
RTT Recording Queue	RTT_RECORDING_QUEUE

Datasource

Datasource Name	Datasource Label	Туре	Default Value
RECORDING_JNDI	OFTW Data Source	ХА	jdbc/ OFTWPref
REPLAY_JNDI	OFTW Data Source	ХА	jdbc/ OFTWLogger

RECORDING_JNDI: Source Schema

REPLAY_JNDI: Schema to store recorded test cases. Recommended to use target schema.

1.3.2 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
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	Туре	Default Value
INIT_DATASOURCE	Data Source	NON-XA	jdbc/fcjdevDS
EL_INIT_DATASOURCE	Scheduler DataSource	NON-XA	jdbc/fcjSchedulerDS

1.3.3 FGL

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
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	Туре	Default Value
INIT_DATASOURCE	Data Source	NON-XA	jdbc/fcjdevDS
SCHEDULER_DS	Scheduler Datasource	ХА	jdbc/fcjSchedulerDS

1.3.4 REST API services

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

Data Source:

Datasource Name	Datasource Label	Туре	Default Value
INIT_DATASOURCE	Data Source	ХА	jdbc/fcliteAPIDS





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