

Oracle® Banking Treasury Management

Resources to be Created



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Contents

Preface

Audience	iv
Acronyms and Abbreviations	iv
Related Resources	iv

1 Create Resources on Application Server

1.1 Resource prerequisites for Plug-ins	1-1
1.1.1 Oracle Banking Treasury Management	1-1
1.1.2 Scheduler	1-3
1.1.3 Gateway	1-5
1.1.4 ELCM	1-5
1.1.5 REST API Services	1-7

Preface

This guide helps the user to create the required resources for Oracle Banking Treasury Management.

The images used in the documentation are of illustration purpose and need to be used only for reference.

This preface has the following topics:

- [Audience](#)
- [Acronyms and Abbreviations](#)
- [Related Resources](#)

Audience

This guide is intended for anyone responsible for installing Oracle Banking Application.

Acronyms and Abbreviations

The acronyms and abbreviations are listed in this below table:

Table 1 Acronyms and Abbreviations

Abbreviations or Acronyms	Definition
DV	Derivatives
ETD	Exchange Traded Derivatives
FX	Foreign Exchange
MM	Money Market
OBTR	Oracle Banking Treasury Management
OT	Over the Counter Options
SE	Securities
SR	Securities Repo

Related Resources

For more information, see these Oracle Banking Treasury Management resources:

- *Oracle Banking Treasury Management Release Notes*
- *Oracle Banking Treasury Management Installer Index*

- *Oracle Banking Treasury Management Installer Prerequisite*

1

Create Resources on Application Server

Configure the application server for Oracle Banking Treasury Management Application. Ensure that the following resources are available before deployment:

- Data source
- JMS resources
- Debug paths for host and branch



Note:

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.

- [Resource prerequisites for Plug-ins](#)

1.1 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.

This topic has the following sub-topic:

- [Oracle Banking Treasury Management](#)
- [Scheduler](#)
- [Gateway](#)
- [ELCM](#)
- [REST API Services](#)

1.1.1 Oracle Banking Treasury Management

OBTR needs below resources before deployment. Create the following queues and connection factories in the application server.

Table 1-1 JMS Connection Factories

QCF Label	QCF
Notify Destination QCF	NotifyDestQCF
Deferred QCF	DeferredDestQCF
Notify QCF	NOTIFY_MDB_QCF
Incoming QCF	EmsQcf
GI Upload QCF	GI_UPLOAD_QCF

Table 1-1 (Cont.) JMS Connection Factories

QCF Label	QCF
Sanction Check QCF	SNCKREQQCF
<Internally Referred>	ELMDBQCF
<Internally Referred>	EL_NOTIFY_QCF

Table 1-2 Queues

QUEUE Label	QUEUE
Notify Destination Queue Name	NOTIFY_DEST_QUEUE
Deferred Queue Name	DEFERRED_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

Table 1-3 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:**

You need to create two more data sources for Oracle FCUBS.

- **Scheduler:** You need to create an XA data source for Oracle FCUBS with the JNDI name '`_XA`' for the 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 the data source for Oracle FCUBS with the JNDI name '`_ASYNC`' for the 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`.

1.1.2 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.

Table 1-4 Connection Factories

QCF Label	QCF
Notify Destination QCF	NotifyDestQCF
Deferred QCF	DeferredDestQCF
Notify QCF	NOTIFY_MDB_QCF
Incoming QCF	EmsQcf
Sanction Check QCF	SNCKREQQCF
GI Upload QCF	GI_UPLOAD_QCF

All these must be XA enabled.

Table 1-5 Queues

QUEUE Label	QUEUE
Notify Destination Queue Name	NOTIFY_DEST_QUEUE
Deferred Queue Name	DEFERRED_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

Table 1-5 (Cont.) Queues

QUEUE Label	QUEUE
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.

Table 1-6 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 the signing process for SFMS messages, you need to set the following library.

Table 1-7 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 the latest version of the software qualified with Oracle Banking Treasury Management, refer to the release certificate.

1.1.3 Gateway

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

Table 1-8 Connection Factories

QCF Label	QCF
MDB QCF	MDBQCF

All these must be XA enabled.

Table 1-9 Queues

QUEUE Label	QUEUE
MDB Request Queue	MDB_QUEUE
MDB Response Queue	MDB_QUEUE_RESPONSE
MDB DL Queue	MDB_QUEUE_DLQ

Table 1-10 Data Source

Datasource Name	Datasource Label	Type	Default Value
FCUBS_MSG_SCHEM_A_CON_POOLNAME	DataSource	XA for MDB and NON-XA for others.	FLEXTTEST.WORLD
FCUBS_SMS_POOLNAME	DataSource	NON-XA	jdbc/fcjsmsDS

1.1.4 ELCM

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

Table 1-11 JMS Connection Factories

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

Table 1-12 JMS 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	DEFERRED_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:

Table 1-13 Data Source

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

1.1.5 REST API Services

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

Table 1-14 Data Source

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