

# Oracle Banking Trade Finance Resources to be Created



Release 14.7.5.0.0  
G15582-01  
September 2024



Oracle Banking Trade Finance Resources to be Created, Release 14.7.5.0.0

G15582-01

Copyright © 2007, 2024, Oracle and/or its affiliates.

Primary Authors: (primary author), (primary author)

Contributing Authors: (contributing author), (contributing author)

Contributors: (contributor), (contributor)

This software and related documentation are provided under a license agreement containing restrictions on use and disclosure and are protected by intellectual property laws. Except as expressly permitted in your license agreement or allowed by law, you may not use, copy, reproduce, translate, broadcast, modify, license, transmit, distribute, exhibit, perform, publish, or display any part, in any form, or by any means. Reverse engineering, disassembly, or decompilation of this software, unless required by law for interoperability, is prohibited.

The information contained herein is subject to change without notice and is not warranted to be error-free. If you find any errors, please report them to us in writing.

If this is software, software documentation, data (as defined in the Federal Acquisition Regulation), or related documentation that is delivered to the U.S. Government or anyone licensing it on behalf of the U.S. Government, then the following notice is applicable:

U.S. GOVERNMENT END USERS: Oracle programs (including any operating system, integrated software, any programs embedded, installed, or activated on delivered hardware, and modifications of such programs) and Oracle computer documentation or other Oracle data delivered to or accessed by U.S. Government end users are "commercial computer software," "commercial computer software documentation," or "limited rights data" pursuant to the applicable Federal Acquisition Regulation and agency-specific supplemental regulations. As such, the use, reproduction, duplication, release, display, disclosure, modification, preparation of derivative works, and/or adaptation of i) Oracle programs (including any operating system, integrated software, any programs embedded, installed, or activated on delivered hardware, and modifications of such programs), ii) Oracle computer documentation and/or iii) other Oracle data, is subject to the rights and limitations specified in the license contained in the applicable contract. The terms governing the U.S. Government's use of Oracle cloud services are defined by the applicable contract for such services. No other rights are granted to the U.S. Government.

This software or hardware is developed for general use in a variety of information management applications. It is not developed or intended for use in any inherently dangerous applications, including applications that may create a risk of personal injury. If you use this software or hardware in dangerous applications, then you shall be responsible to take all appropriate fail-safe, backup, redundancy, and other measures to ensure its safe use. Oracle Corporation and its affiliates disclaim any liability for any damages caused by use of this software or hardware in dangerous applications.

Oracle®, Java, MySQL, and NetSuite are registered trademarks of Oracle and/or its affiliates. Other names may be trademarks of their respective owners.

Intel and Intel Inside are trademarks or registered trademarks of Intel Corporation. All SPARC trademarks are used under license and are trademarks or registered trademarks of SPARC International, Inc. AMD, Epyc, and the AMD logo are trademarks or registered trademarks of Advanced Micro Devices. UNIX is a registered trademark of The Open Group.

This software or hardware and documentation may provide access to or information about content, products, and services from third parties. Oracle Corporation and its affiliates are not responsible for and expressly disclaim all warranties of any kind with respect to third-party content, products, and services unless otherwise set forth in an applicable agreement between you and Oracle. Oracle Corporation and its affiliates will not be responsible for any loss, costs, or damages incurred due to your access to or use of third-party content, products, or services, except as set forth in an applicable agreement between you and Oracle.

# Contents

<b>1</b>	<b>RESOURCES TO BE CREATED ON APPLICATION SERVER</b>	
1.1	Introduction	1-1
1.2	Resource Types	1-1
1.3	Resource prerequisites for Plug-ins	1-1
1.3.1	Oracle Banking Trade Finance	1-2
1.3.2	SMS	1-3
1.3.3	Scheduler	1-4
1.3.4	Gateway	1-6
1.3.5	ELCM	1-7
1.3.6	REST API services	1-8

## List of Tables

---

1-1	JMS Connection Factories	1-2
1-2	Queues	1-2
1-3	Data source	1-3
1-4	DataSource	1-3
1-5	Connection Factories	1-4
1-6	Queues	1-4
1-7	Datasources	1-5
1-8	Security Provider Libraries	1-6
1-9	Connection Factories	1-6
1-10	Queues	1-6
1-11	DataSource	1-7
1-12	JMS Connection Factories	1-7
1-13	JMS Queues	1-7
1-14	Data Source:	1-8

# 1

## RESOURCES TO BE CREATED ON APPLICATION SERVER

### 1.1 Introduction

This chapter explains list of resources to be created for OBTF application.

### 1.2 Resource Types

Configure the application server for Oracle Banking Trade Finance 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.

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.

- [Oracle Banking Trade Finance](#)
- [SMS](#)
- [Scheduler](#)
- [Gateway](#)
- [ELCM](#)
- [REST API services](#)

## 1.3.1 Oracle Banking Trade Finance

OBTF 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	DefferedDestQCF
Notify QCF	NOTIFY_MDB_QCF
Incoming QCF	EmsQcf
BIP QCF	BIPQCF
GI Upload QCF	GI_UPLOAD_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
BIP Queue Name	BIPREPORT_QUEUE
BIP Dead Letter Queue Name	INTERNAL_BIP_QUEUE_DLQ
BIPadvice Queue Name	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
BulkerMDB Queue	EMS_BULKERQUE
Sanction Check Request Queue	SNCKREQ_QUEUE
Sanction Check Response Queue	SNCKRES_QUEUE

**Table 1-2 (Cont.) Queues**

QUEUE Label	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/fcdevDS
SCHEDULER_DS	Scheduler Datasource	XA	jdbc/fcjSchedulerDS



**Note:**

You need to create two more data sources for Oracle Banking Trade Finance

- **Scheduler :** You need to create XA data source for Oracle Banking Trade Finance with the JNDI name ‘\_XA’ for scheduler. For example, if the Oracle Banking Trade Finance HOST Non XA data source JNDI name is ‘jdbc/fcdevDS’, then you need to create another data source for Oracle Banking Trade Finance with the JNDI name ‘jdbc/fcdevDS\_XA’.
- **Batch Process:** You need to create data source for Oracle Banking Trade Finance with the JNDI name ‘\_ASYNC’ for batch process. For example, if the Oracle Banking Trade Finance HOST Non XA data source JNDI name is ‘jdbc/fcdevDS’, then you need to create another data source for Oracle Banking Trade Finance with the JNDI name ‘jdbc/fcdevDS\_ASYNC’.

## 1.3.2 SMS

SMS needs below Data sources before deployment.

**Table 1-4 DataSource**

Datasource Name	Datasource Label	Label Type	Default Value
FCUBS_SMS_POOL_N AME	DataSource	NON-XA	jdbc/fcdevDS

### 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.

**Table 1-5 Connection Factories**

QCF Label	QCF
Notify Destination QCF	NotifyDestQCF
Deferred QCF	DefferedDestQCF
Notify QCF	NOTIFY_MDB_QCF
Incoming QCF	EmsQcf
BIP QCF	BIPQCF
Sanction Check QCF	SNCKREQQCF
GI Upload QCF	GI_UPLOAD_QCF

**All these must be XA enabled.**

**Table 1-6 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
Sanction Check Request Queue	SNCKREQ_QUEUE
Sanction Check Response Queue	SNCKRES_QUEUE
Sanction Check Listener Queue	SNCKASYNC_QUEUE
BIP Queue Name	BIPREPORT_QUEUE
BIP Dead Letter Queue Name	INTERNAL_BIP_QUEUE_DLQ
BIPadvice Queue Name	BIPADVREPORT_QUEUE
BIPadvice Dead Letter Queue Name	INTERNAL_BIP_ADVICE_QUEUE_DLQ
GI Upload Queue Name	INTERNAL_GI_UPLOAD_QUEUE



**Table 1-6 (Cont.) Queues**

QUEUE Label	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 1-7 Datasources**

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



 **Note:**

You need to create another XA data source for Oracle Banking Trade Finance with the JNDI name ‘\_XA’ for Scheduler. For example, if the Oracle Banking Trade Finance HOST Non XA data source JNDI name is ‘jdbc/fcjdevDS’, then you need to create another data source for Oracle Banking Trade Finance with the JNDI name ‘jdbc/fcjdevDS\_XA’.

**Table 1-8 Security Provider Libraries**

File Name	Download Location	Instructions
bcprov-jdk(Latest Qualified Version).jar	<a href="https://www.bouncycastle.org/latest_releases.html">https://www.bouncycastle.org/latest_releases.html</a>	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 Banking Trade Finance, 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.

**Table 1-9 Connection Factories**

QCF Label	QCF
MDB QCF	MDBQCF

All these must be XA enabled.

**Table 1-10 Queues**

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

**Table 1-11 DataSource**

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_POOL_N AME	DataSource	NON-XA	jdbc/fcjdevDS

## 1.3.5 ELCM

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

**Table 1-12 JMS 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

**Table 1-13 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

**Table 1-13 (Cont.) JMS Queues**

QUEUE Label	QUEUE
Incoming Queue Name	EMS_INQUEUE
Outgoing Queue Name	EMS_OUTQUEUE
SFMS Incoming Queue	SFMS_INQUEUE
RTGS Incoming Queue	RTGS_INQUEUE
BIP Queue Name	BIPREPORT_QUEUE
BIP Dead Letter Queue Name	INTERNAL_BIP_QUEUE_DLQ
BIPadvice Queue Name	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

## 1.3.6 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/fcjdevDS