

# Oracle® Banking Treasury Management

## Resources to be Created



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ORACLE®

Oracle Banking Treasury Management Resources to be Created, Release 14.8.0.0.0

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# Preface

This topic contains the following sub-topics:

- [Purpose](#)
- [Audience](#)
- [Documentation Accessibility](#)
- [Critical Patches](#)
- [Diversity and Inclusion](#)
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## Purpose

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

## Audience

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

## Documentation Accessibility

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Oracle is fully committed to diversity and inclusion. Oracle respects and values having a diverse workforce that increases thought leadership and innovation. As part of our initiative to build a more inclusive culture that positively impacts our employees, customers, and partners, we are working to remove insensitive terms from our products and documentation. We are also

mindful of the necessity to maintain compatibility with our customers' existing technologies and the need to ensure continuity of service as Oracle's offerings and industry standards evolve. Because of these technical constraints, our effort to remove insensitive terms is ongoing and will take time and external cooperation.

## 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*

## Conventions

The following text conventions are used in this document:

| Convention             | Meaning                                                                                                                                |
|------------------------|----------------------------------------------------------------------------------------------------------------------------------------|
| <b>boldface</b>        | Boldface type indicates graphical user interface elements associated with an action, or terms defined in text or the glossary.         |
| <i>italic</i>          | Italic type indicates book titles, emphasis, or placeholder variables for which you supply particular values.                          |
| <code>monospace</code> | Monospace type indicates commands within a paragraph, URLs, code in examples, text that appears on the screen, or text that you enter. |

## Screenshot Disclaimer

Personal information used in the interface or documents is dummy and does not exist in the real world. It is only for reference purposes.

## Acronyms and Abbreviations

The acronyms and abbreviations are listed in this below table:

**Table    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                    |

# 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   |
| Sanction Check QCF     | SNCKREQQCF      |

**Table 1-1 (Cont.) JMS Connection Factories**

| QCF Label             | QCF           |
|-----------------------|---------------|
| <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        |
| SFMS Incoming Queue             | SFMS_INQUEUE        |
| RTGS Incoming Queue             | RTGS_INQUEUE        |

**Table 1-5 (Cont.) Queues**

| QUEUE Label                      | QUEUE                    |
|----------------------------------|--------------------------|
| 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                                                                                                                                                                                                                                            |
|-------------------------------------------------|-------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>bcprovjdk.jar</b> (Latest Qualified Version) | <a href="https://www.bouncycastle.org/latest_releases.html">https://www.bouncycastle.org/latest_releases.html</a> | Copy the file <b>bcprovjdk.jar</b> (Latest Qualified Version) to the directory {WL_JAVA_HOME}/jre/lib/ext<br><br>Here, <b>WL_JAVA_HOME</b> is the Java root directory from which the WebLogic server is running.<br><br>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<br>A_CON_POOLNAME | DataSource       | XA for MDB and NON-<br>XA for others. | FLEXTTEST.WORLD |
| FCUBS_SMS_POOL_N<br>AME           | 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 |