

Oracle® Banking Corporate Lending Scheduler JAVA JOB Creation



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Preface

This topic contains the following sub-topics:

- [Purpose](#)
- [Acronyms and Abbreviations](#)
- [Audience](#)
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- [Diversity and Inclusion](#)
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Purpose

This manual is designed to help acquaint you with the installation of Oracle Banking Corporate Lending. This guide describes the procedure to be followed for Scheduler JAVA JOB creation for Oracle Banking Corporate Lending solutions.

Acronyms and Abbreviations

The acronyms and abbreviations are listed in this below table:

Table 1 Acronyms and Abbreviations

Abbreviations or Acronyms	Definition
JDBC	Java Database Connectivity
OBCL	Oracle Banking Corporate Lending

Audience

This manual is intended for the following User/User Roles:

Table 2 Audience

Role	Function
Administrator	Who controls the system and application parameters and ensures smooth functionality and flexibility of the banking application.
Implementation team	Implementation of Oracle Banking Corporate Lending Solution

Table 2 (Cont.) Audience

Role	Function
Pre-sales team	Install Oracle Banking Corporate Lending for demo purpose
Bank personnel	Who installs Oracle Banking Corporate Lending

The user of this manual is expected to have basic understanding of Oracle Banking Application installation.

Critical Patches

Oracle advises customers to get all their security vulnerability information from the Oracle Critical Patch Update Advisory, which is available at [Critical Patches, Security Alerts and Bulletins](#). All critical patches should be applied in a timely manner to ensure effective security, as strongly recommended by [Oracle Software Security Assurance](#).

Conventions

The following text conventions are used in this document:

Table 3 Conventions

Convention	Meaning
boldface	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.
monospace	Monospace type indicates commands within a paragraph, URLs, code in examples, text that appears on the screen, or text that you enter.

Diversity and Inclusion

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.

Documentation Accessibility

For information about Oracle's commitment to accessibility, visit the Oracle Accessibility Program website at <https://www.oracle.com/corporate/accessibility/>.

Access to Oracle Support

Oracle customer access to and use of Oracle support services will be pursuant to the terms and conditions specified in their Oracle order for the applicable services.

Related Resources

For more information on any related features, refer to the following documents:

- Oracle Banking Corporate Lending User Guides.
- Oracle Banking Corporate Lending Installation Guides.

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.

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Create Scheduler JAVA JOB

This guide describes the procedure to be followed for Scheduler JAVA JOB creation for Oracle Banking Corporate Lending solutions.

This topic contains the following sub-topics:

- [Background](#)
This topic explains the reasons for creating Scheduler JAVA Jobs.
- [Procedure](#)
This topic explains systematic instructions to create JAVA jobs by Quartz Scheduler.

1.1 Background

This topic explains the reasons for creating Scheduler JAVA Jobs.

This guide provides the process of creating Java jobs to be executed by the Quartz Scheduler, detailing the required steps to complete the creation of the JAVA jobs.

1.2 Procedure

This topic explains systematic instructions to create JAVA jobs by Quartz Scheduler.

Specify **User ID** and **Password** and login to the **Home screen**.

1. On **Home screen**, type **STDJOBMT** in the text box, and click **Next**.

The **Job Maintenance** screen displays.

Figure 1-1 Job Maintenance

The screenshot shows the 'Job Maintenance' window with the following fields and values:

- Job Description:** Job Code: FTP_COPY, Job Description: FTP COPY, Job Group: DEFAULT, Job Type: Java, Max Number Instances: 3, Scheduler: SchedulerFactory, Trigger Type: Simple, Scheduler Type: Quartz, Priority: Normal, Message Queue: (empty).
- Job Details:** Cron Expression: (empty), Class Or Procedure: duler.quartz.ftp.FtpCopy, No of Submissions: -1, Interval In Seconds: 60, Trigger Listener: (empty), Active: ☒, Ds Name: (empty), Logging Required: ☒, Veto Blocked Trigger: ☐, Startup Mode: Manual.
- Parameter Details:** A table with 5 rows: SOURCECOUNT (Number, 2), SOURCE1 (Varchar, /Test/src), DEST1 (Varchar, /Test/dest), SOURCE2 (Varchar, /Test/src1), and DEST2 (Varchar, /Test/dest).
- Footer:** Maker, Checker, Mod No, Date Time, Record Status, Authorization Status, and a Cancel button.

- On the **Job Maintenance** screen, specify the fields.

For information on fields and their description, refer to installation documents.
A Java job can be **Stateful Job** or **Stateless Job**.

The following table describes the Java jobs -

Table 1-1 Java Jobs

Java Jobs	Description
Stateful Job	If the job is configured to be Stateful then missed instances will be queued up so that the scheduler would start executing once the long-running job ends. It means there will be no parallel execution of the Java class. To make a class Stateful, add two annotations to the job class. @PersistJobDataAfterExecution @DisallowConcurrentExecution
Stateless Job	If the job is configured as Stateless, threads can be run in parallel and can execute the same Java class. If the job is configured as Stateless, the field Max Number Instances denotes the number of threads that can be executed in parallel. If the job is configured as Stateful, then the above value denotes the number of missed instances that will be queued up so that the quartz scheduler would start executing them once a long-running job ends. This field specifies the number of such job instances that need to be queued up.

The class defined in the class field has to be provided with a fully qualified name.

Note

Job parameters can be added to a particular java job in this screen as shown above.

For example,

Suppose you have created a new FTP_COPY job, to copy ftp files from one location to another. It is a java job, where the class to be executed is **FtpCopy.java**. You have provided the fully qualified class name as **com.ofss.scheduler.quartz.ftp.FtpCopy**.

The physical location of the java file is

INFRA\FCJNeoWeb\Javasource\com\ofss\scheduler\quartz\ftp\FtpCopy.java.

In this class, you have to override the execute method of the Job class to provide the implementation logic, which is executed when the quartz scheduler executes the class. The execute method format is as below.

```
Public void execute (JobExecutionContext context) throws JobExecutionException {}
```