

Oracle® Oracle Banking Enterprise Limits and Collateral Management Scheduler PLSQL JOB Creation



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Preface

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1.1 Purpose

This guide is designed to help the user to quickly get acquainted with the Customer Standard Instructions maintenance process.

1.2 Audience

This guide is intended for the central administrator of the Bank who controls the system and application parameters and ensures smooth functionality and flexibility of the banking application.

1.3 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.

1.4 Conventions

The following text conventions are used in this document:

Table 1-1 Conventions

Convention	Meaning
boldface	Boldface type indicates graphical user interface elements associated with an action, or terms defined in text or the glossary.

Table 1-1 (Cont.) Conventions

Convention	Meaning
<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.

1.5 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](#).

1.6 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.

1.7 Basic Actions

Table 1-2 Basic Actions

Action	Description
Approve	Used to approve the initiated report. This button is displayed, once the user click Authorize .
Audit	Used to view the maker details, checker details, and report status.
Authorize	Used to authorize the report created. A maker of the screen is not allowed to authorize the report. Only a checker can authorize a report, created by a maker.
Close	Used to close a record. This action is available only when a record is created.
Confirm	Used to confirm the performed action.
Cancel	Used to cancel the performed action.
Compare	Used to view the comparison through the field values of old record and the current record. This button is displayed in the widget, once the user click Authorize .
Collapse All	Used to hide the details in the sections. This button is displayed, once the user click Compare .
Expand All	Used to expand and view all the details in the sections. This button is displayed, once the user click Compare .

Table 1-2 (Cont.) Basic Actions

Action	Description
New	Used to add a new record. When the user click New , the system displays a new record enabling to specify the required data.
OK	Used to confirm the details in the screen.
Save	Used to save the details entered or selected in the screen.
View	Used to view the report details in a particular modification stage. This button is displayed in the widget, once the user click Authorize .
View Difference only	Used to view a comparison through the field element values of old record and the current record, which has undergone changes. This button is displayed, once the user click Compare .
Unlock	Used to update the details of an existing record. System displays an existing record in editable mode.

1.8 Prerequisite

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

1.9 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.

2

Introduction

This document describes the procedure to be followed for Scheduler PLSQL JOB creation for Oracle FLEXCUBE Universal Banking solutions.

3

Background

This topic provides background information on PLSQL Jobs.

This document is based on the requirement of creating PLSQL jobs to be executed by Quartz Scheduler. This document describes the procedure to be followed to accomplish the above.

4

Procedure

This topic explains systematic instructions to create a PLSQL job.

Specify **User ID** and **Password** and login to the **Homescreen**.

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

The **Job Maintenance** screen displays.

Figure 4-1 Job Maintenance

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

- Job Description:**
 - Job Code: ITSPNDARC
 - Job Description: Spend Batch Archival
 - Job Group: PLSQL
 - Job Type: PLSql
 - Max Number Instances: 1
 - Scheduler: SchedulerFactory
 - Trigger Type: Simple
 - Scheduler Type: Quartz
 - Priority: Normal
 - Message Queue: (empty)
- Job Details:**
 - Cron Expression: (empty)
 - Class Or Procedure: itps_spend_batch_pr
 - No of Submissions: -1
 - Interval In Seconds: 864000
 - Trigger Listener: (empty)
 - Active: ☐
 - Ds Name: (empty)
 - Logging Required: ☐
 - Veto Blocked Trigger: ☐
 - Startup Mode: Manual
- Parameter Details:**

Parameter Name	Data Type	Parameter Value
NAME	Varchar	OFSS

At the bottom, there are fields for 'Maker', 'Checker', 'Mod No', 'Date Time', and 'Record Status', along with a 'Cancel' button.

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

For information on fields and their description, refer to installation documents.

A PLSQL job can be **Stateful Job** or **Stateless Job**.

The following table describes the PLSQL jobs -

Table 4-1 PLSQL Jobs

PLSQL Job	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 procedure. To make an executing class Stateful, add two annotations to the job class. • <code>@PersistJobDataAfterExecution</code> • <code>@DisallowConcurrentExecution</code>
Stateless Job	If the job is configured as Stateless, threads can be run in parallel and can execute the same procedure. If the job is configured as Stateless, the value of the field Max Number Instances will denote the number of threads that can be executed in parallel. If the job is configured as stateful, then the above value will denote 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:

- For every PLSQL job, the executing class is **FCPLSQLJobInvoker.java**, which is configured as stateless.
- Job params can be added to a particular PLSQL job in this screen as shown above, which are passed to the procedure maintained.

For example,

Suppose we have created a new ITSPNDARC PLSQL job for Spend Batch Archival. Here it is a PLSQL job, where the procedure to be executed is `itpks_spend_batch.pr_spend_archival`.