Oracle® Banking Liquidity Management

Oracle Banking Liquidity Management Archival User Guide

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Oracle Banking Liquidity Management Oracle Banking Liquidity Management Archival User Guide, Release 14.8.1.0.0

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Contents

Preface

Purpose

This guide helps the users to understand archival setup.

Before You Begin

Kindly refer to the **Getting Started User Guide** for information on common functionalities like login, navigation, and general settings before proceeding with this guide.

Audience

This guide is intended for the software developers and software testers.

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 Documents

The related documents are as follows:

- *Oracle Banking Common Core User Guide*
- *Oracle Banking Security Management System User Guide*
- *Oracle Banking Getting Started User Guide*
- *Oracle Banking Liquidity Management User Guide*
- *Oracle Banking Liquidity Management Configuration Guide*
- *Oracle Banking Liquidity Management File Upload User Guide*

Conventions

The following text conventions are used in this document:

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

Acronyms and Abbreviations

The list of acronyms and abbreviations that are used in this guide are as follows:

Table 1 Acronyms and Abbreviations

Abbreviation	Description
API	Application Programming Interface

1

Introduction

This guide provides the background information on archival jobs.

This guide explains how to schedule and monitor archival and purge jobs. User can set these jobs up using CRON expressions to run at specific intervals, and we recommend scheduling them daily or more often. Each job manages a Task Flow that connects to one or more Tasks, which the system carries out based on set frequencies and retention policies. You can use the terms Task Flow and Execution Flow in place of each other.

For Detailed Information, refer to**Oracle Banking Microservices Platform Foundation User Guide**.

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Archival Job Execution Flow

This topic provide information about the Archival Job Execution Flow.

Archival is the first step where eligible data aging more than the archival retention period is deleted from domain tables and moved to Archival tables. Archived data is purged in the 2nd step where eligible data aging more than the purge retention period is deleted and moved to purge tables. Finally eligible data aging more than the delete retention period is permanently deleted from purge tables.

Each of the job checks for the retention periods in the following order in single execution cycle.

ARCHIVAL_RETENTION_PERIOD

The system transfers records that have met the ARCHIVAL_RETENTION_PERIOD for the Task Flow from the domain schema tables to the archival schema tables.

PURGE_RETENTION_PERIOD

Checks for records that have reached PURGE_RETENTION_PERIOD for the Task Flow. All matching records are moved from archival schema tables to purge schema tables.

DELETE_RETENTION_PERIOD

Checks for records that have reached DELETE_RETENTION_PERIOD for the Task Flow. All matching records are deleted permanently from Purge schema tables.

Table 2-1 Execution Order

Retention Type	Data Movement
ARCHIVAL_RETENTION_PERIOD	Move from Domain Schema Tables to Archival Schema Tables
PURGE_RETENTION_PERIOD	Move from Archival Schema Tables to Purge Schema Tables
DELETE_RETENTION_PERIOD	Delete from Purge Schema Tables

You can modify these default retention periods.

3 Scheduling Archival Jobs

This topic provide information about the Archival Jobs.

These jobs can be scheduled under **Configure Tasks** screen via CRON expressions.

Configuration Requirements

1. **CRON Expression**: Users need to set up the CRON expression to specify how often the job runs. For instance, the CRON expression `0 */10 * * * *` means the job will execute every 10 minutes, daily.
2. **Task Trigger Name**: When user selects a Task Name, the task trigger name will set itself automatically. However, it is advisable to provide a clear name, especially when user adds extra trigger parameters for specific branches.
3. **Additional Trigger Parameters**: To enable branch-specific account closure, extra parameters must be provided in the **Additional Trigger Parameters** field. The supported format is key:::value. For instance, branchCode:::000;userId:::ADMINUSER1.
4. **Priority of Parameters**: The branchCode and userId in the **Additional Trigger Parameters** take precedence over default values.
   - **Default Values**: If Branch Code and userId are missing in the Additional Trigger Parameters, the default values from the PROPERTIES will be used. Make sure that the following entries contain valid user and branch code values, as well as the necessary roles to execute the job:
     a. APPLICATION = "plato-batch-server", KEY = "batchServer.userId", VALUE = "<user-id>"
     b. APPLICATION = "plato-batch-server", KEY = "batchServer.branchCode", VALUE = "<branch-code>"
5. **Saving the Configuration**: Save the configuration, and the job will be scheduled according to the provided CRON expression.

For Detailed Information, refer to **Oracle Banking Microservices Platform Foundation User Guide**

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Supported Archival Usecases

This topic explains intraday tasks that operate throughout the day according to the set frequency.

Oracle Banking Liquidity Management includes different settings for audit archiving. Users can check these configurations in the **Oracle Banking Microservices Platform Foundation User Guide**, and they can schedule them using the Jobs listed below.

> **Note**
>
> 1. Each job listed is connected to a subdomain that manages all set up and pre-installed Task Flows. One scheduling configuration is sufficient for every job.
> 2. Current release supports archival of only single table and does not support archival of tables where parent-child relation exists.

1. oblm-sweep-services

Table 4-1 oblm-sweep-services

Service Name	Batch Job Name	Function/Sub-Function	Table Name	Archival Condition Details
oblm-sweep-services	OBLM_archivalJob_LMS_INT_001	Sweeps logs	LMS_TB_SWEEP_LOG	logTime <= RETENTION_PERIOD
		Reverse sweeps logs	LMS_TB_REVERSE_SWEEP_LOG	logTime <= RETENTION_PERIOD

2. oblm-pool-services

Table 4-2 oblm-pool-services

Service Name	Batch Job Name	Function/Sub-Function	Table Name	Archival Condition Details
oblm-pool-services	OBLM_archivalJob_LMP_INT_001	Pool Logs	LMP_TB_POOL_LOG	logTime <= RETENTION_PERIOD
		Interest reallocation	LMP_TB_REALLOCATION_DETAIL	logTime <= RETENTION_PERIOD
		Reallocation logs	LMP_TB_REALLOCATION_LOG	logTime <= RETENTION_PERIOD

3. oblm-dashboard-services

Table 4-3 oblm-dashboard-services

Service Name	Batch Job Name	Function/Sub-Function	Table Name	Archival Condition Details
oblm-dashboard-services	OBLM_archivalJob_LMD_INT_007	VD balances	LMD_TB_ACCOUNT_VD_BAL	lastBalanceUpdate <= RETENTION_PERIOD
		Account balances	LMD_TB_CUSTOMER_ACCOUNT_BAL	valueDate <= RETENTION_PERIOD

4. oblm-report-services

Table 4-4 oblm-report-services

Service Name	Batch Job Name	Function/Sub-Function	Table Name	Archival Condition Details
oblm-report-services	OBLM_archivalJob_LMR_INT_001	Sweeps logs	LMR_TB_SWEEP_SUMMARY	logDate <= RETENTION_PERIOD

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