

Oracle® Retail Integration Cloud Service

Release Notes

Release 16.0.027

E97078-01

May 2018

This document highlights the major changes in this release of Oracle Retail Integration Cloud Service.

Overview

The Oracle Retail Integration Cloud Service is comprised of the Oracle Retail Integration Suite of products that are cloud deployable for a customer's integration to Oracle Retail applications, and the customer's on-premises or hybrid configurations of third-party applications.

The integration products supported are the same as the generally-available on premises versions of the Oracle Retail Integration Bus (RIB), the Oracle Retail Service Backbone (RSB) and Oracle Retail Bulk Data Integration (BDI).

The cloud-deployed versions of the integration products render some functionality and documentation not applicable. For example, installation documentation is not provided in this release because those activities are handled by the cloud provider. In addition, customization tooling documentation is no longer available because those activities are no longer supported.

In a few documents, minor changes in configuration are noted. See the section, Related Documentation, later in this document for the complete list of documents associated with this release.

Note: The Oracle Retail Integration Cloud Service application is based on corresponding on-premises applications. References to the on-premises application names exist throughout the application and documents.

Note: The non-sequential version number of this Oracle Retail application is intentional.

Oracle Retail Cloud Services and Business Agility

Oracle Retail Integration Bus Cloud Service is hosted in the Oracle Cloud with the security features inherent to Oracle technology and a robust data center classification, providing significant uptime. The Oracle Cloud team is responsible for installing, monitoring, patching, and upgrading retail software.

Included in the service is continuous technical support, access to software feature enhancements, hardware upgrades, and disaster recovery. The Cloud Service model

helps to free customer IT resources from the need to perform these tasks, giving retailers greater business agility to respond to changing technologies and to perform more value-added tasks focused on business processes and innovation.

Oracle Retail Software Cloud Service is acquired exclusively through a subscription service (SaaS) model. This shifts funding from a capital investment in software to an operational expense. Subscription-based pricing for retail applications offers flexibility and cost effectiveness.

A Note about On-Premises Applications and Integration Cloud Service Support

The integration between the Oracle Retail Integration Cloud Service and the Oracle Retail on-premises applications below is not supported. Any mention of those applications that may exist within this documentation set is for reference purposes only.

- Oracle Retail Warehouse Management System (RWMS)
- Oracle Retail Advanced Inventory System (AIP)
- Oracle Retail Price Management (RPM)

Note: RPM and the Pricing module that is included in the Merchandising Cloud Services release are separate entities, and RPM in this list is not a reference to that Pricing module.

Note that in some cases third party applications can communicate with the RIB using services.

Client System Requirements

The following technology is supported:

- Operating Systems
 - Microsoft Windows 7
 - Microsoft Windows 10
- Browser Support
 - Mozilla Firefox ESR 52+
 - Internet Explorer 11.0
 - Google Chrome (Desktop) 55+

Note: Oracle Retail assumes that the retailer has ensured its Operating System has been patched with all applicable Windows updates.

Technical Enhancements

The technical enhancements below are included in this release.

Release Summary

The following changes were made to Oracle Retail Integration Cloud Service:

- Third Party .jar upgrades.
- Introduced Groups in BDI to enable throttling of Batch Jobs.
- Performance tuning by identifying the potential issues and added Indexes where required.
- Purge scripts for growing BDI tables.
- Bug fixes.

BDI/JOS Data Model Changes

Note: The information below is not accessible to the retailer, but is provided for reference purposes.

There are many changes to tables and indexes of BDI. The migration script will take care of the database changes. All the migration scripts must be run from the existing release. All the migration scripts for any intermediate releases, if any, must be run in order to make sure that the database objects are consistent with the application.

Restful API Changes

New RESTful API endpoints are added for BDI. Please see the *BDI Implementation Guide* for more information.

Purge Strategy

Note: The information below is not accessible to the retailer, but is provided for reference purposes.

The purge scripts help in removing the old transactional data.

This script can run in two modes: Silent Mode and Interactive Mode.

Silent Mode

Execute the procedure without passing any parameters. It calculates the period and removes the data. By default it keeps 6 months data and removes older than that.

For example, if someone wants to keep only 2 months of data and remove the rest of the data, modify the procedure just by updating variable `howManyMonths` `NUMBER(5) := 6` to the required value:

```
howManyMonths = 2
```

Interactive Mode

Pass the `fromDate` and `toDate` parameters to the procedure to purge the specified period of data. Data will be removed for only specified period (that is, `fromDate` to `toDate`).

From and to dates format should be in following format:

```
FROMDATE := TO_TIMESTAMP('2017-01-01T00:00:00', 'YYYY-MM-DD"T"HH24:MI:SS');
TODATE := TO_TIMESTAMP('2017-04-30T23:59:59', 'YYYY-MM-DD"T"HH24:MI:SS');
```

The deleted data will be committed to default in both silent and interactive modes.

How To Execute Purge SQL Example

■ Silent Mode

```
SET SERVEROUTPUT ON;
DECLARE FROMDATE TIMESTAMP;
TODATE TIMESTAMP;
BEGIN
FROMDATE := NULL;
TODATE := NULL;
BDI_PURGE_SQL.PURGE_JOB_INT_REPO (FROMDATE => FROMDATE, TODATE => TODATE);
END;
```

■ Interactive Mode

```
SET SERVEROUTPUT ON;
DECLARE
FROMDATE TIMESTAMP;
TODATE TIMESTAMP;
BEGIN
FROMDATE := TO_TIMESTAMP ('2017-01-03T00:00:00', 'YYYY-MM-DD"T"HH24:MI:SS');
TODATE := TO_TIMESTAMP ('2017-01-03T23:59:59', 'YYYY-MM-DD"T"HH24:MI:SS');
BDI_PURGE_SQL.PURGE_JOB_INT_REPO (FROMDATE => FROMDATE, TODATE => TODATE);
END;
```

Data Removed

The purge SQL removes the data from the following tables for the respective schemas.

Table 1 Purge Data Removed

Schema Name	SQL Name	Table Name
job-int-schema	purge_job_int_repo.sql	BDI_DWNLDR_TRNSMITR_EXE_DSET
		BDI_DWNLDR_TRNSMITR_TRANS
job-rcvr-schema	purge_job_rcvr_repo.sql	BDI_RECVR_TRANSMISSION_BLOCK
		BDI_RECEIVER_TRANSMISSION
		BDI_RECEIVER_TRANSACTION

Table 1 (Cont.) Purge Data Removed

Schema Name	SQL Name	Table Name
batch-db-schema	purge_batch_db_repo.sql	JOBSTATUS
		STEPSTATUS
		STEPEXECUTIONINSTANCE DATA
		EXECUTIONINSTANCEDAT A
		JOBINSTANCEDATA
		CHECKPOINTDATA
process-schema	purge_process_repo.sql	BDI_ACTIVITY_EXEC_ INSTANCE
		BDI_PROCESS_CALL_ STACK
		BDI_PROCESS_EXEC_ INSTANCE
scheduler schema	purge_scheduler_repo.sql	BDI_SCHEDULE_ EXECUTION

Functional Enhancements

There are no functional enhancements associated with RIB, RSB, and BDI in this release.

Support Considerations

For product support and logged defects, the product identifier for the Oracle Retail Integration Cloud Service is 13314. Each logged defect will be analyzed to determine the source of the reported issue. Note that this Cloud Service product code also includes RSB and BDI functionality.

Related Documentation

For more information, see the following documents in the Oracle Retail Integration Cloud Service 16.0.027 documentation set:

RIB Related Documentation

For more information, see the following documents in the Oracle Retail Integration Bus 16.0.027 documentation set:

- *Oracle Retail Integration Bus Implementation Guide*
- *Oracle Retail Integration Bus Integration Gateway Services Guide*
- *Oracle Retail Integration Bus JMS Console Guide*
- *Oracle Retail Integration Bus Operations Guide*
- *Oracle Retail Integration Bus Hospital Administration Guide*
- *Oracle Retail Integration Bus Security Guide*
- *Oracle Retail Integration Bus Service-Oriented Architecture Enabler Tool Guide*

- *Oracle Retail Integration Bus Support Tools Guide*
- *Oracle Retail Functional Artifacts Guide*
- *Oracle Retail Functional Artifacts Generator Guide*

RSB Related Documentation

For more information, see the following documents in the Oracle Retail Service Backbone 16.0.027 documentation set:

- *Oracle Retail Service Backbone Integration Console User Guide*
- *Oracle Retail Service Backbone Developer Guide*
- *Oracle Retail Service Backbone Integration Console User Guide*
- *Oracle Retail Service Backbone Integration Security Guide*

Merchandising System Related Documentation

For more information, see the following documents in the Merchandising System 16.0.027 documentation set:

- Oracle Retail Merchandising System - Operations Guide, Volume 1 - Batch Overviews and Designs
- Oracle Retail Merchandising System - Operations Guide, Volume 2 - Message Publication and Subscription Designs

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<http://www.oracle.com/education>

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