Oracle®Retail Integration Cloud Service

Release Readiness Guide

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OracleRetail Integration Cloud Service Release Readiness Guide, Release 23.0.101.0

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Preface

This document highlights the major changes for Release 23.0.101.0 of Oracle Retail Integration Cloud Service.

Audience

This document is intended for the users and administrators of the Oracle Retail Integration Cloud Service.

Documentation Accessibility

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- Product version and program/module name
- Functional and technical description of the problem (include business impact)
- Detailed step-by-step instructions to re-create
- Exact error message received
- Screen shots of each step you take

Oracle Help Center (docs.oracle.com)

Oracle Retail Product documentation is available on the following website https://docs.oracle.com/en/industries/retail/html

Comments and Suggestions

Please give us feedback about Oracle Retail Help and Guides. You can send an e-mail to: retail-doc_us@oracle.com

Oracle Retail Cloud Services and Business Agility

Oracle Retail Integration 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.

1 Feature Summary

This section describes the feature enhancements in this release.

Supported Retail Integration Products

The Oracle Retail Integration Cloud Service (RICS) is composed 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 and mentioned in this document are the same as the generally available on-premises versions of the following applications:

- Oracle Retail Integration Bus (RIB)
- Oracle Retail Bulk Data Integration (BDI)
- Retail Financial Integration (RFI)
- Universal service Mapper (USM).

Column Definitions

- **Feature:** Provides a description of the feature being delivered.
- **Delivered:** Identifies whether the feature is Enabled or Disabled upon initial delivery.
- **Scale:** Identifies the size of the feature. Options are:
  - **Small:** These UI or Process-based features are typically comprised of minor field, validation, or program changes. Therefore, the potential impact to users is minimal.
  - **Large:** These UI or process-based features have more complex designs. Therefore, the potential impact to users is higher.
- **Customer Action Required:** You must take action before these features can be used. these features are delivered disabled and you choose if and when to enable them.

Feature	Module Impacted	Delivered	Scale	Customer Action Required?
RIB-RMS Error Hospital Integration with RDS	RIB	Enabled	Small	No
RWMS (on-premise) Integration with Other Retail Applications on Cloud	RIB	Enabled	Small	No
RICS Monitoring Framework	RIB	Enabled	Small	No
End of BasicAuth Support for Inbound/ Outbound Calls for External Integration	RIB	Enabled	Small	Yes
Environment Specific Scope for Inbound OAuth2 Calls for External Integration	RIB	Enabled	Small	Yes
Known Upgrade Issue: Update RIB-EXT Injector User Credentials	RIB	N/A	Small	Yes

Feature	Module Impacted	Delivered	Scale	Customer Action Required?
Critical Patch Updates	Infrastructure and Security	Enabled	Small	No
GA Document Updates	Documentation	Enabled	Small	No

RIB

RIB-RMS Error Hospital Integration with RDS

RDS is a data replication tool that uses Oracle GoldenGate to replicate application data from Retail applications to a centralized Autonomous Data Warehouse (ADW) database. The data is kept in sync with the source application database in near-real-time.

RIB-RMS Error hospital schema is now replicated and is available through APEX workspace. This feature will be made available to other RICS database schemas in the near future.

RWMS (on-premise) Integration with Other Retail Applications on Cloud

The integration between on-premise RWMS and MFCS and other retail apps hosted on Next Gen SaaS is now supported via RIB. RIB enables this hybrid integration using a primary and a secondary RIB-RWMS components. The secondary resides close to on-prem RWMS, while the primary is SaaS. The communication between primary and secondary is through SOAP based web service calls. The RIB-RWMS primary invokes the web services exposed by secondary RIB-RWMS to send/receive messages to/ from other applications on cloud via RIB.

For RIB-RWMS to communicate with RWMS on premise and RIB on cloud, it should be deployed in primary-secondary topology. Hybrid cloud set-up for RWMS involves a two part installation, one for each primary (cloud) and secondary components (on-premise).

RICS Monitoring Framework

RICS Monitoring framework is now available on Next Gen SaaS. Monitoring cron jobs are introduced to collect the Error Hospital, Poison message Count , AQ Toic depth and Adapter status metrics periodically. This tool works in conjunction with Retail Central Ops Portal (RCOP) to enable AMS team to continuously monitor the RIB System health and take timely action.

End of BasicAuth Support for Inbound/Outbound Calls for External Integration

In the current release, Oauth2 is being enforced for authorization for ongoing security reasons and to ensure the customer stays within their OCI IAM limits.

BasicAuth is still supported in the current release for backward compatibility. However, starting in v23.1.301.0, BasicAuth will not be supported for inbound/outbound calls. Customers need to switch to Oauth2 as soon as possible.

Environment Specific Scope for Inbound OAuth2 Calls for External Integration

In the current release RICS is enforcing environment specific Oauth scope for authorization of inbound web service calls (RIB-EXT). This is a minor change on the customer's end to add the specified scope. The scope pattern that is used in the RICS IDCS app creation template is rgbu:rics:RICS-<ENVIRONMENT> where ENVIRONMENT is the environment type (STG, PRD, UAT, DEV1, DEV2, and so on). For details Refer to RIB Implementation Guide Section:Create OAuth2 Client Application in IDCS

Known Upgrade Issue: Update RIB-EXT Injector User Credentials

After upgrading to this release there is a onetime action required by the customer to update the RIB-EXT injector service user with the correct password. As the password is being reset for a known WebLogic issue. Continuous effort is being made to fix this issue.

Infrastructure and Security Compliance

Critical Patch Updates

Oracle releases Critical Patch Updates on a quarterly cadence. This release includes the Jan 2023 CPU patch.

Documentation

Document Updates

GA documentation updates for major feature/functionality:

- Retail Integration Cloud Service Implementation Guide–Concepts
- Retail Dynamic Data Service Guide

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System Requirements

This chapter covers the Client System requirements for Oracle Retail Integration Cloud Service.

Browser Requirements

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

The following web browsers are supported:

- Mozilla Firefox
- Microsoft Edge
- Google Chrome (Desktop)
- Apple Safari

Microsoft has deprecated Internet Explorer 11 in Windows 10 and recommends using Edge as the default browser. Refer to the Oracle Software Web Browser Support Policy for additional information.

Operating System

The following Operating System is supported.

- Microsoft Windows 10

Supported Oracle Applications

Product	Version
Oracle Cloud Application – Financials (CFIN)	20B (11.13.20.04.0)
Oracle WMS Cloud	21B

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Noteworthy Resolved Issues

This section highlights specific key fixes that are scheduled to be included in this upcoming release. In some cases, only a percentage of the overall fixed defects are listed.

RIB Application	Affected Component	Summary
RIB Application	ICB	A new flexible structure in RIB (L10nAttribDesc) is added to support Brazilian localization project and receive country-specific localization attributes.
RIB Application	ICB	Updated RIB XOrderDesc to add "file_id" as new column.
RIB Application	ICB	Updated SIOCS SOAP Web Service to introduce status values in Vendor Delivery, session information for the lock in Activity Lock, increasing payload attribute size in Stock Count.
RIB , BDI , RFI Application	ICB	Updated RIB, BDI, RFI objects of Supplier to allow freight_terms element to be empty/nullable.
RIB Application	ICB	Updated RIB object XAllocDesc by introducing context_type and context_value fields.