Oracle®Retail Integration Cloud Service
Release Readiness Guide

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OracleRetail Integration Cloud Service Release Readiness Guide, Release 23.1.201.0

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Preface

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

Audience

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

Documentation Accessibility

For information about Oracle's commitment to accessibility, visit the Oracle Accessibility Program website at http://www.oracle.com/pls/topic/lookup?ctx=acc&id=docacc

Access to Oracle Support

Oracle customers that have purchased support have access to electronic support through My Oracle Support. For information, visit http://www.oracle.com/pls/topic/lookup?ctx=acc&id=info or visit http://www.oracle.com/pls/topic/lookup?ctx=acc&id=trs if you are hearing impaired.

Customer Support

To contact Oracle Customer Support, access My Oracle Support at the following URL:

https://support.oracle.com

When contacting Customer Support, please provide the following:

- 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.

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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?
Injector Service in RIB-EXT becomes Unusable after Patching in v22 or v23	RIB	Enabled	Large	No
Poison Messages can now be Downloaded and Corrected for Reprocessing by Customers	RIB	Enabled	Large	No
Optimized WebLogic Server Memory and Container Memory Settings	RIB	Enabled	Small	No
Environment-Specific Scope for Inbound OAuth2 Calls	RIB	Enabled	Small	No
Remove HASVRC Param from Injector calls Outbound from RIB-EXT	RIB	Enabled	Small	No
BDI Jobs Failing with Error 500 when Triggered from POM	BDI	Enabled	Small	No

Feature	Module Impacted	Delivered	Scale	Customer Action Required?
Performance Tuning in BDI Process Flow and JobAdmin Applications	BDI	Enabled	Small	No
Critical Patch Updates	Infrastructure and Security	Enabled	Small	No
GA Document Updates	Documentation	Enabled	Small	No

Retail Integration Bus (RIB)

Injector Service in RIB-EXT becomes Unusable after Patching in v22 or v23

Currently, customer-owned credentials are stored in the WebLogic DB store and due to occasional cryptographic issues, customers are losing credentials. In this release customer-owned credentials have been moved to S3 (Secured Storage Service) so all credentials are in one place, eliminating WebLogic cryptographic issues.

Poison Messages can now be Downloaded and Corrected for Reprocessing by Customers

This change affects a scheduled cron job that pushes the poison messages to Object Store. When the customer downloads, modifies the message, and uploads it back to the OS, it is processed automatically.

Optimized WebLogic Server Memory and Container Memory Settings

An increased memory request was made so that the WebLogic max heap is less than the pod request, not the pod limit (WebLogic max heap< memory request < memory limit).

Environment-Specific Scope for Inbound OAuth2 Calls

In the current release, RICS enforces 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 the Create OAuth2 Client Application in the IDCS section of the *RIB Implementation Guide*.

Remove HASVRC Param from Injector calls Outbound from RIB-EXT

The RIB Injector service does not expect any query parameters. However, the RICS OAuth framework mandates the query parameter of `hasVRC`, which can cause failures in the RIB-EXT injector calls. This has been fixed, and the `hasVRC` parameter has been removed.

Bulk Data Integration (BDI)

BDI Jobs Failing with Error 500 when Triggered from POM

This enhancement fixed all BDI Jobs that were failing with `ERROR 500` when triggered from the Process Orchestration Monitoring (POM) application.

Performance Tuning in BDI Process Flow and JobAdmin Applications

This enhancement implements a number of changes to fine-tune the BDI application. The UI was optimized by including pagination to ensure that the data fetched is not overly large.

Infrastructure and Security Requirements

Critical Patch Updates

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

Documentation

Document Updates

Documentation updates for major features and functionality were added in this release. See the *RIB Implementation Guide*.

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System Requirements

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 for this release. In some cases, only a percentage of the overall fixed defects are listed.

RIB Application	Affected Component	Summary
RIB, RFI Application	ICB	Added optional attributes PROCUREMENT_SITE_IND and PAYMENT_SITE_IND to RIB_SupAttr_REC for CFIN integration.
RFI Application	ICB	Mapped IM_FINANCIALS_STAGE.INCOME_LOCAL_CURRENCY to Converted Debit Amount (if debit), or Converted Credit Amount (if Credit).
BDI, RFI Application	ICB	Added Fiscal Id attribute in the existing table IM_AP_HEAD_OUT to BDI integration flow from Invoice Matching to RF.

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Deprecated Features

As part of the continuous delivery model for Cloud Services, features and technical components of a solution may be removed or replaced to enhance the security, performance, and overall quality of the Cloud Service. When this occurs, the deprecation of a feature or component will be announced in advance, allowing customers sufficient time to anticipate the change and transition to any enhanced replacement feature/component. After the deprecation is announced, the deprecated feature or component will remain in the solution until the planned removal date and will not be enhanced or made compatible with other new features.

For the full schedule of planned deprecations for this product, see the Deprecation Advisory accessed from the following MOS Documentation Library: Oracle Retail Integration Cloud Services Documentation Library at Doc ID **2643542.1**

BasicAuth Support for Inbound Calls will be removed in a future release.

In the current release Oauth2 has enforced 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 23.1.301.0 (Aug 2023), BasicAuth will not be supported for inbound/outbound calls. Customers need to switch to Oauth2 as soon as possible.