

# Oracle® Retail Integration Cloud Service

Release Notes

Release 19.0.000

F22273-01

January 2020

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This document highlights the major changes for Release 19.0.000 of Oracle Retail Integration Cloud Service.

## Overview

The Oracle Retail Integration Cloud Service (RICS) 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), Oracle Retail Bulk Data Integration (BDI), Retail Financial Integration (RFI), and Universal service Mapper (USM).

The cloud-deployed versions of the integration products render some functionality and documentation inapplicable. 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 documentation library on docs.oracle.com for a list of documents associated with this release.

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**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.

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

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## 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.

## Client System Requirements

The following technology is supported:

### Operating Systems

- Microsoft Windows 7
- Microsoft Windows 10

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**Note:** Oracle Retail assumes that the retailer has ensured its operating system has been patched with all applicable Windows updates.

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### Browser Support

- Mozilla Firefox ESR 68+
- Microsoft Internet Explorer 11.0
- Microsoft Edge 44+
- Google Chrome (Desktop) 79+
- Apple Safari 12+

## Functional Enhancements

The following functional enhancements are included in this release:

### BDI Supports Inbound Integration with External Systems

In the previous releases, BDI provided an integration infrastructure for outbound data from Oracle Retail applications to external systems/third party applications. In the current release, BDI supports inbound feeds from external systems to Oracle Retail applications. With this, external systems can send bulk data into the Oracle Retail echo system of products. This requires field implementation; however, the supporting artifacts such as table definitions, batch jobs, and process flow definitions to support external applications as a sender are available out of the box. For implementation details please refer to the *Oracle Retail Bulk Data Integration Implementation Guide*.

### USM Functional Enhancements

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Sr. No.	Change Description
1	Added Support for Multi Destination Allocation
2	Added Support for Multiple orders to multiple destination location in a single load/manifest

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<b>Sr. No.</b>	<b>Change Description</b>
3	Added Support for Multiple orders to single destination location in a single load/manifest
4	Added Support for Multiple RTVs in single load/manifest

## RIB Functional Enhancements

<b>Sr. No.</b>	<b>Change Description</b>
1	<p>Added add XItem related message types to RIB and IGS:</p> <ul style="list-style-type: none"> <li>■ Item Translation - Xitemtlcre/mod/del</li> <li>■ Item Supplier Translation - Xitemsuptlcre/mod/del</li> <li>■ Item Image Translation - Xitemimagetlcre/mod/del</li> <li>■ Item HTS - Xitemhtscre/mod/del</li> <li>■ Item HTS Assess - xitemhtsassesscre/mod/del</li> <li>■ Item Ticket - xitemticketcre/mod/del</li> <li>■ Item Expenses - xitemexpensescre/mod/del</li> <li>■ Item Season - xitemseasoncre/mod/del</li> <li>■ Item Upcharges - xitemchgcre/mod/del</li> </ul>
2	<p>Added Item Supplier operations to ItemManagement Web Service:</p> <ul style="list-style-type: none"> <li>■ modifySupplier</li> <li>■ deleteSupplier</li> <li>■ modifySupplierCountry</li> <li>■ deleteSupplierCountry</li> <li>■ createSupplierCountryDim</li> <li>■ modifySupplierCountryDim</li> <li>■ deleteSupplierCountryDim</li> </ul>
3	<p>Added UDA-related operations to ItemManagement Web Service:</p> <ul style="list-style-type: none"> <li>■ createUDA</li> <li>■ modifyUDA</li> <li>■ deleteUDA</li> </ul>
4	<p>Added new BDI flow interfaces for SIOCS. This flow is from third-party applications to SIOCS/EICS and does not involve other Oracle enterprise applications.</p> <ul style="list-style-type: none"> <li>■ data flow of transfers</li> <li>■ data flow of purchase orders</li> <li>■ direct-to-store deliveries into SIOCS.</li> </ul>
5	Added Daily & Weekly Demand Forecast Interface between RDF-RMS.

## Technical Enhancements

The following technical enhancements described are included in this release:

## **BDI - Bulk API for Batch Job CRUD Operations**

This release introduces new ReST Endpoints for Bulk Create/Update and Delete of Jobs in BDI/JOS Job admin applications. Existing end points can create/update/delete the individual jobs but the new endpoint allows bulk operations on jobs.

## **BDI - Support added for OAuth2 with IDCS**

This release introduces new support for OAuth2(with IDCS) for BDI/JOS applications to improve the overall performance by avoiding multiple calls to the IDCS server. Although the recommended and default authorization mechanism is OAuth2, basicAuth is also supported to maintain backward compatibility. BDI Installers support OAuth2, and during installation, the installer collects additional information and configures the system options to support this change.

BDI services were OAuth2 enabled before so there are no changes to the service provider side. The only configuration changes required in BDI are for the service consumer side, which requires more information to talk to the IDCS OAuth2 Token Provider.

## **BDI - DB Schema Auto Migration**

This release introduces a new database schema auto-migration feature with no user intervention. To run the migration scripts, it automatically migrates from the currently deployed application version to the application version that will be deployed to WebLogic. This support has only been added between the RICS versions (inclusive of 16.0.028 and 19.0.000).

## **BDI - Bulk Update for Schedule Status**

A new ReST end point has been introduced in the scheduler application to allow the user to update the status of one or more schedules with a single ReSt request. Valid values for the schedule status update using the API are ACTIVE and DISABLED. The ReST end point returns the schedule level status for the status update operation.

## **RFI - ODI Replacement for CFIN Integration**

In this release, the ODI tool has been replaced by PL/SQL packages to transform account entry data (from RMS/REIM) and invoice entry data (from REIM), making the data available as CFIN FBDI (File Based Data Integration) through the RFI database. CFIN ERP Integration web services are used to load and handle the data on the CFIN side.

A new set of adapters have been added in RFI UI to control these interfaces, and new logs have been added to troubleshoot the issues for these interfaces.

## **RFI - Domain Data Cross Reference UI Update**

In this release, the Domain Data Cross Reference page in ORFI GUI has been renamed to "Manage DVM". The user can now update/delete the row except CommonID using the Update/Delete button. The user can also add a new row using the Add button. CommonID is an auto-generated sequential value.

## **RIB - Rest-app Type Support**

In this release, the Rib installer is enhanced to install the following rib-applications:

- rib-igf can be installed as soap-app only

- rib-rob can be installed as rest-app or javaee-app
- rib-ocds can be installed as soap-app or javaee-app

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**Note:** RIB no longer supports XPrEvent flow from RMS to External. This flow is deprecated.

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## USM Support for Custom Projects

The USM allows the implementation of custom mapping to third party systems; however, the customer is responsible for the development of the new mapping projects. For this purpose, USM can be obtained from the client connector pack. USM with custom mapping must be installed on the PaaS/IaaS server managed by customers.

## Client-Side Components for Retail Integration Cloud Service

The software products and components that are required on the client side for interaction with Retail Integration Cloud Service are delivered as a client connector pack.

A complete list of client-side downloadable products and components for Retail Integration Cloud Services is as follows:

### Client Side Components

- RIBCloudConnectorClientSideComponentsPak
- RSBCloudConnectorClientSideComponentsPak
- BDICloudConnectorClientSideComponentsPak
- RFICloudConnectorClientSideComponentsPak
- USMCloudConnectorClientSideComponentsPak

### BDI

- BdiFuncArtifact
- BdiEdgeAppJobAdminPakForExternal
- BdiCliJobExecutor
- BdiCliTransmitter
- BdiEdgeAppJobAdminPakForRFI

### RIB

- RIB functional artifact
- Functional Artifact Generator
- JAVA EE API stubs
- PLSQL API stubs
- Fileio
- CSM
- RetailPublicSecurityApi
- RibKernel

- RibPakForExt
- RibPakForRMS
- RibPakForRWMS
- RibPakForRWMS2
- RibPakForRWMS3
- RibPakForRWMS4

## **RSB**

- RSE
- Service Integration Pak for External applications
- Service Integration Pak for IGS
- J-SIT
- Security Configuration sample scripts

## **RFI**

- BdiEdgeAppJobAdminPakForRFI
- RetailFinancialIntegrationPakForRfi

## **USM**

- UniversalServiceMapperContainerPak

## **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.

## **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.

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