# Oracle® Retail Service Backbone (RSB)

Release Notes

Release 14.1

**E58904-01**

December 2014

This document highlights the major changes for Release 14.1 of Oracle Retail Service Backbone (RSB).

## Overview

Common integration patterns used for interoperability of the applications include asynchronous messaging (fire and forget), request response, and bulk data transfer. In Oracle Retail, Retail Integration Bus (RIB) is used for asynchronous messaging and ODI is used for bulk data transfer. Retail Service Backbone (RSB) is a new product that uses the request-response style of Enterprise Integration in Oracle Retail. RSB uses Web services as the mechanism for the request/reply style of integration. RSB products include pre-built services and flows and the integration API end points for all of the Oracle Retail Application's Web services and the Enterprise Solution Web service integration points and contracts for external application to connect to as part of the Solution business processing. RSB is an uptake of Oracle Service Bus (OSB) for Retail domain.

Both RSB and RIB use Retail Business Object (RBO) for the messages. This ensures consistency and interoperability between the integration patterns. In addition to this, there are common tools like Retail SOA Enabler (RSE), Retail Integration Console (RIC) that work with both styles of integration products.

In other words, Oracle Retail Service Backbone (RSB) is a product comprising of a set of Web services, ESB and security tools that standardize the deployment and runtime of Web service flows within Oracle Retail Suite of applications.

RSB can also be viewed as a set of pre-built Web service integration API end points delivered by Oracle Retail.

## Hardware and Software Requirements

See the *Oracle Retail Service Backbone (RSB) Installation Guide* for information about the following:

- Hardware and software requirements
- Oracle Retail application software compatibility

## Functional Enhancements

The following functional enhancements are included in this release:

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### New Application Services

Ticket Printing System (TPS) and Assortment Planning (AP) service contracts are added to Retail Service Backbone.

### New Service Integration Flows

The following new service integration flows are added to integrate new applications:

- ItemManagementService
- ItemTicketService
- NotificationsMgmtService
- TicketPrintingService
- ShelfReplenishmentService
- ShelfAdjustmentService

### Service Changes

The following service updates are supported:

- ShippingOptions service provider moved from OOC to OMS
- LocationPurchaseOrder service replaced with StoreOrder service

## Technical Enhancements

This section addresses the technical enhancements included in Oracle Retail Service Backbone Release 14.1.

> **Note:** The list below announces the addition of Oracle Retail support for the technology described. See the Installation Guide requirements section for critical information, such as whether the enhancement below replaces previous versions or is supported in addition to already existing versions.

### Database Server Support

Oracle Retail Service Backbone Release 14.1 is supported for use with the following database server:

- Oracle Database Enterprise Edition 12cR1 (12.1.0.1.4)

### Application Server Support

Oracle Retail Service Backbone Release 14.1 is supported for use with the following database server:

- Oracle Fusion Middleware 11g Release 1 (11.1.1.7)
- Oracle Service Bus (11.1.1.7)

## Browser Support

Oracle Retail Service Backbone Release 14.1 is supported for use with the following browser:

- Mozilla Firefox 24.0

## Software Operating System Support

Oracle Retail Service Backbone Release 14.1 is supported for use with the following software operating systems:

- Oracle Linux 6 for x86-64 (Actual hardware or Oracle virtual machine)
- Red Hat Enterprise Linux 6 for x86-64 (Actual hardware or Oracle virtual machine)
- Java 1.7.0+ 64 bit for the server side (JDK)

## Retail Integration Console (RIC) Bulk Integration Flows

Bulk data integration style plays a major role in Oracle Retail Integration. Before Release 14.1, information was not available in a single location.

- Bulk Direct Data Integration (DDI) flows are catalogued
- An inventory is taken of all flows between RMS, AIP-Oracle, AIP -RPAS, Allocation, RDF, and MFP applications
- Bulk integration flows are published in the RIC
- All bulk integration flows are externalized to an xml document (ddi-integration-flows.xml)
- The bulk integration flow inventory is static as delivered by Oracle Retail at the time of the release
- Bulk data integration flows are customization ready

## Retail SOA Enabler (RSE) and RESTful Services

The following are the RSE and RESTful services details:

- In addition to SOAP services, RSE can now generate RESTful services.
- RIB, Web services, and now RESTful services use the same Retail Business Objects (RBO)
- RESTful best practices are incorporated into the RSE generated services
- RSE enforces consistent RESTful API design throughout the enterprise
- All RSE RESTful services support JSON and XML as input and output format
- The same RSE Service Def xml can be used for SOAP and RESTful services
- Some additional constraints are required for RESTful services

## JAR Names

Jar files are renamed to follow industry standard naming conventions.

## Known Issues

There are no known issues in this release.

## Related Documentation

For more information, see the following documents in the Oracle Retail Service Backbone (RSB), Release 14.1 documentation set:

- *Oracle Retail Service Backbone (RSB) Developers Guide*

- *Oracle Retail Service Backbone (RSB) Installation Guide*

- *Oracle Retail Service Backbone (RSB) Implementation Guide*

- *Oracle Retail Service Backbone (RSB) Security Guide*

- *Oracle Retail Integration Console (RIC) Guide*

## Supplemental Training on My Oracle Support

The following document is available on the My Oracle Support Web site. Access My Oracle Support at the following URL:

https://support.oracle.com

### Transfer of Information (TOI) Material (ID 732026.1)

Online training is available to Oracle supported customers at product release. These online courses provide release-specific product knowledge that enables your functional and technical teams to plan, implement and/or upgrade and support Oracle Retail applications effectively and efficiently.

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(ii) the **Wavelink**

 component developed and licensed by Wavelink Corporation (Wavelink) of Kirkland, Washington, to Oracle and imbedded in Oracle Retail Mobile Store Inventory Management.

(iii) the software component known as **Access Via™**

 licensed by Access Via of Seattle, Washington, and imbedded in Oracle Retail Signs and Oracle Retail Labels and Tags.

(iv) the software component known as **Adobe Flex™**

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