

Oracle® Retail Service Backbone (RSB)

Release Notes

Release 14.0.1

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Welcome to Oracle Retail Service Backbone (RSB) Release 14.0.1. This Release Note contains information about technical enhancements and noteworthy fixed issues in this release.

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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 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 will ensure 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.

Retail Integration Console (RIC)

RIC is an integration monitoring and analysis tool for RSB and RIB. It is based on Oracle ADF GUI framework. RIC provides full visibility to the Oracle Retail Integration System in a unified view within the business context of the Oracle Retail applications. Additionally, RIC directly integrates with the Integration Guide through contextual hyperlinks.

RIC tool is intended for business analysts, operations, and integration administrators.

RSB decorator services are enabled with instrumentation capability at the time of service generation using RSE. The instrumentation code asynchronously writes events to RSB schema during runtime. RIC presents this information in various business usable formats and charts. In addition to this, RIC uses WebLogic Diagnostic Framework (WLDF) to forward RSB logs from all managed server in the cluster to a central location.

RIC has integration summary screen which shows transaction counts, average response times, top problematic interfaces, system and business alerts, server status, and CPU and memory usage.

The integration flow page shows the RIB and RSB execution paths, diagrammatic representation of the flow, configuration details, security information, service uptime status, payload details, and so on. When the flow ID is clicked, a page in the integration guide corresponding to the clicked integration flow is displayed.

The deployment topology page shows the deployment details of RSB and RIB servers, application servers, database servers, JMS servers, and RSB decorator services.

The performance and diagnostic page shows top performing services, service configuration details, problematic interfaces, a mechanism to ping the decorator services, consolidated log files, trace and audit logs.

The Historical trend page shows various trend graphs including daily, weekly, monthly, and yearly trends.

The Integration guide page shows the built-in integration guide for RSB and RIB.

About Patch Releases

Oracle Retail patch releases are periodic releases that can include the following:

- New defect fixes
- Product enhancements
- Technology upgrades
- Performance fixes

Documentation for patch releases includes new and updated guides (for example, Operations Guides, User Guides, and so on) that apply to the patch release level. These documents include applicable updates made since the last patch release. Documents revised for this patch release supersede and replace all previous document versions. See "[Related Documentation](#)" for a list of the documents published for RSB Release 14.0.1.

Note: Customers must apply the entire patch release to update their installation to the currently supported level.

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

Applying the Patch Release

RSB releases are full releases of the application code. Follow the instructions in the *Oracle Retail Service Backbone (RSB) Installation Guide* to install the full product, including all defect fixes to date.

Technical Enhancements

The following technical enhancements are included in this release:

Database Server Support

Retail Service Backbone Release 14.0.1 is supported for use with the following database server:

- Oracle Database 11gR2 (11.2.0.4) Enterprise Edition

Translation for RIC

Translation is the process of interpreting and adapting text from one language into another. Although the code itself is not translated, components of the application that are translated include the following:

- Graphical User Interface (GUI)
- Error Messages

The following components are not translated:

- Documentation (online help, release notes, installation guide, user guide, operations guide)
- Batch programs and messages
- Log files
- Configuration tools
- Reports
- Demonstration data
- Training materials

The user interface has been translated into the following languages:

- Chinese (Simplified)
- Chinese (Traditional)
- Croatian
- Dutch

- French
- German
- Greek
- Hungarian
- Italian
- Japanese
- Korean
- Polish
- Portuguese (Brazilian)
- Russian
- Spanish
- Swedish
- Turkish

Note: RIC displays content it receives from other applications and sources besides its own internal interface. The content from sources outside of the RIC may or may not be translated. Therefore, it is quite possible to see content in multiple languages.

Related Documentation

For more information, see the following documents in the Oracle Retail Service Backbone (RSB), Release 14.0.1 documentation set:

- *Oracle Retail Integration Console (RIC) Guide*
- *Oracle Retail Service Backbone Installation Guide*

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 have access to electronic support through My Oracle Support. For information, visit

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Value-Added Reseller (VAR) Language

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(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.

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