

Retek[®] Integration Bus[™]

10.3.3

Release Notes



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Depending on the Support option chosen by a particular client (Standard, Plus, or Premium), the times that certain services are delivered may be restricted. Severity 1 (Critical) issues are addressed on a 7x24 basis and receive continuous attention until resolved, for all clients on active maintenance. Retek customers on active maintenance agreements may contact a global Customer Support representative in accordance with contract terms in one of the following ways.

Contact Method	Contact Information
E-mail	support@retек.com
Internet (ROCS)	rocs.retek.com Retek's secure client Web site to update and view issues
Phone	1 612 587 5800

Toll free alternatives are also available in various regions of the world:

Australia	1 800 555 923 (AU-Telstra) or 1 800 000 562 (AU-Optus)
France	0800 90 91 66
United Kingdom	0800 917 2863
United States	1 800 61 RETEK or 800 617 3835

Mail	Retek Customer Support Retek on the Mall 950 Nicollet Mall Minneapolis, MN 55403
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When contacting Customer Support, please provide:

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

RIB 10.3(.0) and 10.3.3 Upgrades

Retek developed the Retek® Integration Bus™ (RIB) solution for the retail industry with a commitment to meet retail industry scalability requirements and satisfy specific scalability requests for Retek clients. To fulfill that commitment, ongoing RIB technical scalability testing and performance benchmarks have been undertaken using retail transaction data to validate that Retek integration scales efficiently, meets industry expectations, satisfies Retek client requirements, and incorporates appropriate technological refinements.

The RIB 10.3(.0) release of April 30th, 2003, incorporated significant scalability refinements that are fully expressed in the RIB 10.3 Technical Architecture Guide, the associated Data Type Definitions (DTD), mapping documentation, and the Retek 10.3 Integration Guide. These guides, along with the other RIB materials, should be reviewed in their entirety before beginning work with the RIB 10.3(.0) mandatory upgrade and this recommended RIB 10.3.3 cumulative, full patch release.

For clients that have not upgraded to RIB 10.3(.0), the RIB 10.3(.0) release requires non-backward compatible, mandatory upgrades of the following products. For the cumulative, patch release of RIB 10.3.3 there are a number of recommended upgrades also noted below:

- **SeeBeyond® eGate™** – For a RIB 10.3(.0) install, the SeeBeyond 4.5.3 upgrade and ESR 54082 are required to take advantage of the scalability improvements and patch releases of SeeBeyond to the eGate product. The eGate 4.5.3 release and ESR 54082 patch included many enhancements and fixes recommended by SeeBeyond. With the RIB 10.3.3 release, the cumulative ESR 54788, ESR 55102 and ESR 5833 should be installed. See the SeeBeyond eGate 4.5.3 release documentation and each ESR read me file for details.
- **Oracle® Database™ (RDBMS)** – Effective January 14, 2003, Retek announced its support of the Oracle RDBMS 9i release 2, also known as Oracle 9.2. All products in the Retek 10 suite requiring an Oracle database are now supported with Oracle 9.2. (Please see the Retek Oracle 9.2 Announcement dated January 14, 2003, on <http://support.retek.com> for further information.) With Oracle 9.2, Oracle and Retek recommend installation of the Oracle 9.2.0.2 patch available for Sun Solaris 8, HP-UX 11i and AIX 5L. The RIB 10.3(.0) and higher releases include ‘RIB Objects’ that use Associated Arrays of Oracle 9.2 and the release leverages Collection / Record performance efficiencies of Oracle 9.2. Since the release of the Oracle 9.2.0.2 release, we also recommend that clients install the latest cumulative patch of Oracle, 9.2.0.4 for the RIB 10.3.3 release.
- **Java Initiator (Jinitiator)** – The RIB 10.3.3 release has been tested using Jinitiator 1.3.102.

- **Hardware Platforms** – The RIB 10.3.3 release has been tested using Sun Solaris 8, HP-UX11/11i and IBM AIX 5L.
- **User Interface** – The RIB 10.3.3 release recommends using Windows NT/2000, Windows Explorer 4.0 SP1, Netscape 4.7 or higher releases. Installation of the SeeBeyond e*Gate product requires a Microsoft NT/2000 platform. Complete platform details can be found in the [SeeBeyond e*Gate Integrator Installation Guide](#).
- **Retek® Integration Bus™ (RIB)** – As noted previously, the RIB 10.3(.0) release includes application interfaces used to communicate with Oracle Stored Procedures and applications deployed within Java 2 Platform, Enterprise Edition (J2EE) environments as well as significant performance improvements. Please see the RIB 10.3(.0) [Release Notes](#) for details. The RIB 10.3(.0) release must be installed before a client may install the RIB 10.3.3 release. The RIB 10.3.3 release is a cumulative, delta patch release that includes interim release features and functions of the RIB 10.3.1 and RIB 10.3.2 patch releases. The RIB 10.3.3 release may be installed over or instead of the RIB 10.3.1 and 10.3.2 interim releases to take advantage of all the upgraded 10.3(x) capabilities. Please read the [RIB 10.3.3 Installation Guide](#) in its entirety before beginning RIB installation.
- **Retek® Merchandising System™ (RMS)** – The RMS 10.1.4 patch release included all the enhancements of the RMS 10.1.3 release and was certified with the RIB 10.3(.0), RDM 10.3(.0), RLM 10.3(.0) and SIM 10.0 releases. Clients wishing to remain on the RMS upgrade path must upgrade to RMS 10.1.4 to integrate with RIB 10.3(.0). To upgrade to RIB 10.3.3 and remain on the RMS upgrade schedule, a client must install the RMS 10.1.5 and then the RMS 10.1.6 patches. Please read the [RMS Installation Guide](#) and [Release Notes](#) in their entirety before beginning RMS installation.
- **Retek® Distribution Management™ (RDM)** – The RDM 10.3(.0) release upgraded all RIB based interfaces to use the RIB Objects of RIB 10.3(.0). To take advantage of significant enhancements to RDM and RLM and remain on their upgrade schedule, clients who have installed RDM 10.3(.0) should install the patch releases of RDM 10.3.1, RDM 10.3.1.1 and then RDM 10.3.2 before installing RDM 10.3.3. Please read the [RDM Installation Guide](#) and [Release Notes](#) in their entirety before beginning RDM installation.
- **Retek® Labor Management™ (RLM)** – The RLM 10.3(.0) release is compatible with both the RIB 10.3(.0) and RIB 10.3.3 releases as well as all the RDM 10.3(x) releases noted above. Please read the [RLM Installation Guide](#) and [Release Notes](#) in their entirety before beginning RLM installation.

- **Retek® Store Inventory Management™ (SIM)** – Beginning with the SIM 10.0 release, several RIB interfaces were delivered. To remain on the SIM upgrade schedule and take advantage of the significant enhancements of the SIM 10.3 release, we strongly recommend upgrade to SIM 10.3 release for integration with the RIB 10.3.3 release. If a client has not yet installed the SIM 10.0 release, the client only need install the cumulative release of SIM 10.3. Please read the [SIM Installation Guide](#) and [Release Notes](#) in their entirety before beginning SIM installation.
- Although integrated on the RIB, the scalability features do not require or include upgrades to the Retek® Customer Order Management™ (RCOM) product.

In releases of the RIB prior to 10.3(.0), all adapters used the same interface structure to the database. The main facets of this design involved the use of Oracle Character Large Object Binaries (CLOBs) as the means to pass information to and from Oracle Stored Procedures. The stored procedures were responsible for encoding and parsing the message payload. In the RIB 10.3 release, most Foundational messages continue to use this format.

Beginning with the RIB 10.3(.0), those interfaces requiring a high-level of performance were modified so that XML creation and parsing would be performed in the RIB adapter. Communication of data to and from the stored procedures was henceforth performed via the use of RIB Objects.

RIB Objects provide a hierarchical container to store the XML and map one-to-one with all attributes and elements found in the payload of a RIB message. There are also other changes to these interfaces that concern the number and types of the parameters.

RIB functional and technical features

Several enhancements have been made to the RIB in the 10.3.3 cumulative patch release. Clients are strongly recommended to upgrade to the RIB 10.3.3 release to take advantage of the following product improvements and remain on the generally available upgrade path for integration between the RMS, RDM, RLM and SIM.

Store Inventory Management (SIM) Integration

In addition to the RIB 10.3(.0) performance improvements, the improvements of the RIB 10.3(.0) and RIB 10.3.3 releases are for integration of the Retek Integrated Store Operations (ISO) - Store Inventory Management (SIM) application. The interfaces have been developed on the Java 2 Platform, Enterprise Edition (J2EE) environment. For this platform, the interface to the RIB is via a Message Driven Bean (MDB) for subscribers and by using an Enterprise Java Bean (EJB) to publish messages to the RIB.

RIB 10.3.3 interfaces for the ISO Store Inventory Management (SIM) solution now include:

- Advanced Shipping Notice (ASN) Outbound / Bill Of Lading (BOL) – RDM publication for ISO-SIM subscription
- ASN Inbound – New in the RIB 10.3.3 release, ASN inbound messages are advanced shipment notification (ASN) messages that inform SIM to expect a shipment of merchandise. These messages can originate either from an outside vendor (via EDI) or from another SIM instance.
- Direct Store Delivery (DSD) Receipt – ISO-SIM publication of shipment delivery information for RMS subscription
- Differentiators – RMS publication and ISO-SIM subscription of item differentiator information
- Inventory Adjustments – ISO-SIM publication of adjustments to overall quantities of stock on hand for an item at a location (store)
- Inventory Request – New in the RIB 10.3.3 release, this interface enables ISO-SIM to send a store needed quantity to the RMS
- Items – RMS publication of sellable and non-sellable items for ISO-SIM subscription
- Item Location – New in the RIB 10.3.3 release, this interface allows the RMS to send item location relationships to the store
- Item Zone Price – New in the RIB 10.3.3 release, this interface allows the RMS to send retail prices for an item by zone to the store
- Locations – RMS publication of both stores and warehouses to ISO-SIM
- Price Change Confirmations – New in the RIB 10.3.3 release, this interface allows the RMS to send confirmation messages to ISO-SIM regarding Price Change Requests initiated by ISO-SIM

- Price Change Request – New in the RIB 10.3.3 release, this interface enables ISO-SIM to send a store desired price change to the RMS
- Price Zone Group – New in the RIB 10.3.3 release, the RMS publication of price zone group store information so that ISO-SIM users are able to view all store / zone relationships
- Purchase Orders (PO) – RMS publication of physical and virtual purchase orders for ISO-SIM subscription as well as the reverse, ISO-SIM publication for RMS subscription
- Receipts – ISO-SIM publication of store receipt information to RMS
- Return To Vendor (RTV) – ISO-SIM publication for RMS subscription
- RTV Request – New in the RIB 10.3.3 release, RMS publishes RTV Request messages to the RIB for ISO-SIM subscription in order to display Return to Vendor Requests created in RMS in a “Requested status”.
- Seed Data – RMS publication of miscellaneous status codes and Differentiator Types for ISO-SIM subscription
- Stock Count Schedule – New in the RIB 10.3.3 release, this interface allows ISO-SIM to publish a stocking schedule for RMS subscription. The information is sent to RMS for creating, updating, or deleting Unit and Amount count schedules
- Stock Order – New in the RIB 10.3.3 release, RMS publishes transfer and allocation messages that are transformed to stock order messages subscribed to by RDM and SIM for fulfillment. The message is routed to the correct RDM and / or SIM instance based on facility type and location
- Stock Order Status – Allows ISO-SIM to send confirmation messages to the RMS regarding Stock Orders initiated by RMS
- Vendor – RMS publication for ISO-SIM subscription

Technical Enhancements

The follow .jar file changes are provided in the RIB 10.3.3 release:

rettek-rib-support.jar

- Enhanced OracleObjectPublisherRetry logic.
- Enhanced support for SIM and RDM.
- Enhanced Hospital to support JMS and PUB reason codes.
- Enhanced translate package for Bean support.
- Schema Owner support added for registering in parms.
- Enhanced support for XA functionality with ISO.
- Support for international character sets within Oracle Object Subs & Pubs.
- Schema owner enhancement for OracleObjectRetryHelper, BusinessObjectID, and RoutingInfo.

rettek-sbyn.jar

- Support of international characters in CLOB subscriber.

rettek-pub-trans.jar

- DTD modifications and additions (re-generated with new DTD additions).
- Support for international character sets within Oracle Object Subs & Pubs. Coincided with fix to rettek-rib-support.jar.

binding.jar

- Changes to Payload objects to reflect changes made in DTDs.

rib-redsky.jar

- Changed process of reconnecting to JMS for both publishers and subscribers.
- Changed process for subscribers when SIM is started with messages waiting in topic.
- Support for XA transactions.

- Added message selector functionality for subscribers to JMS. Including a new property in ribmessaging.cfg to identify the unique Store this installation represents.

The following e*Ways have not been released with RIB 10.3.3 and will not be released with future versions of the RIB. The functionality of these e*Ways has been included in other new or existing e*Ways. Functionality of the listed e*Ways has moved from → to:

ewASNInEDIToASNInWHFromRIB	→	ewASNInEDIToASNInLocFromRIB
ewASNOutToASNInWHFromRIB	→	ewASNOutToASNInLocFromRIB
ewASNOutToASNOutISOFromRIB	→	ewASNOutToASNInLocFromRIB
ewASNOutToASNOutATASNInWHISO	→	ewASNOutToASNInLocFromRIB
	→	ewASNOutToASNOutATFromRIB
ewTransfersToStockOrderISOFromRIB	→	ewTransfersToStockOrderFromRIB

If the client has made no custom modification to the listed e*Ways, they may proceed with removing any or all of them from their RIB schemas. Removal should be done according to Chapter 3 – Step 4 of the RIB 10.3.3 Installation Guide.

- Start_rib is intended for use in starting the e*Way components of a new schema or when new e*Way components have been added to an existing schema. The RIB 10.3 architecture requires that the first time an e*Way is started in a schema, it is started in a particular order (subscriber, TAFR, publisher). The start_rib script uses an input file called Egate.txt to identify an e*Way as a subscriber, a TAFR, or a publisher. Egate.txt contains a listing of all of the e*Way components packaged with RIB 10.3.3. Start_rib is executed with one or several of the parameters listed within its usage. To view the start_rib usage, after RIB installation, change Unix directories to \$EHOME and run start_rib with no parameters.

It is necessary that start_rib is run to start the e*Way components immediately following installation and configuration of the RIB 10.3.3 components. The following command should be executed while the registry and control broker are running: start_rib JMS SUB TAFR. After these processes have successfully started (check to be certain connection points were accurately set and DB connection was successful), if the client is integrating with ISO, start the ISO services following SIM instruction. Run start_rib once more using the following command: start_rib PUB HOSP. All of the e*Way processes listed in the Egate.txt file should now be running.

If desired, new e*Way components may be started using the start_rib command by adding the new components to the start_rib input file - Egate.txt. This file can be located in the \$EHOME directory.

Release Installation Sequence

Please read in full and then follow the documented instructions provided for each of the products as noted. Contact Retek Customer Support, www.retek.com/support, for installation questions and issues.

RMS 10.1.6 – Once having installed all RMS releases through 10.1.5, follow instructions provided with the Retek Merchandising System release notes and installation instructions.

SIM 10.3 – Follow Store Inventory Management release notes and installation instructions.

RDM 10.3.3 – Once having installed all RDM releases through 10.3.2, follow the Retek Distribution Management release notes and installation instructions.

RLM 10.3 – Follow the Retek Labor Management release notes and installation instructions.

RIB 10.3.3 – Follow the RIB 10.3.3 Installation Guide to install RIB versions 10.3 followed by 10.3.3. RIB version 10.3.3 is a delta release.

The RIB 10.3.3 release includes the following components.

- ewAllocToStockOrderFromRIB.zip
- ewASNInEDIToASNInLocFromRIB.zip
- ewASNInFromEDI.zip
- ewASNInFromRDMWH1.zip
- ewASNOutToASNInLocFromRIB.zip
- ewASNOutToASNOutATFromRIB.zip
- ewBannerFromRMS.zip
- ewDiffsToRDMWH1.zip
- ewDSDDealsToRMS.zip
- ewDSDReceiptToRMS.zip
- ewHospitalRetryISO.zip
- ewHospitalRetryRDM.zip
- ewHospitalRetryRMS.zip

- ewInvAdjustFromRDMWH1.zip
- ewInvAdjustToRMS.zip
- ewInvReqToRMS.zip
- ewItemLocFromRMS.zip
- ewItemLocToItemLocLocFromRIB.zip
- ewItemsFromRMS.zip
- ewItemsToItemsISOFromRIB.zip
- ewItemsToRDMWH1.zip
- ewItemWHFromRDMWH1.zip
- ewItemZonePrcFromRMS.zip
- ewLocationsToRDMWH1.zip
- ewOrderToOrderISOFromRIB.zip
- ewOrderToOrderWHFromRIB.zip
- ewOTBToRMS.zip
- ewPrcChgConfFromRMS.zip
- ewPrcChgReqToRMS.zip
- ewPrcZoneGrpFromRMS.zip
- ewPublisherHospitalRetryRMS.zip
- ewReceivingToRMS.zip
- ewRTVFromRDMWH1.zip
- ewRTVReqFromRMS.zip
- ewRTVReqToRTVReqLocFromRIB.zip
- ewRTVToRMS.zip
- ewSeedDataFromRMS.zip
- ewSeedDataToSeedDataISOFromRIB.zip

- ewSKUOptmToRDMWH1.zip
- ewSOStatusToRMS.zip
- ewSOStatusToSOStatusATFromRIB.zip
- ewSpaceLocsFromRDMWH1.zip
- ewStkCountSchToRMS.zip
- ewStoresToLocationFromRIB.zip
- ewTransfersToStockOrderFromRIB.zip
- ewUDAsToRDMWH1.zip
- ewVendorToRDMWH1.zip
- ewWHEquipFromRDMWH1.zip
- ewWHToLocationFromRIB.zip
- ewWOInToWOInWHFromRIB.zip

.jcsrc – This file must go in the HOME directory of the USER that owns all Egate processes. Verify that after running install, this file is in the USER's home directory.

Install SeeBeyond ESR's in order listed:

- ESR 54788 – Follow the SeeBeyond readme file
- ESR 55102 – Follow the SeeBeyond readme file
- ESR 5833 – Follow the SeeBeyond readme file

RIB Directory Summary (Current – 10.3.3)

Schema runtime classes directory

\$EHOME/server/registry/repository/RIB103/runtime/classes

drwxrwxrwx	3	egate	dev	8192	Dec 17 14:27	./
drwxrwxrwx	7	egate	dev	8192	Dec 17 14:27	../
drwxrwxrwx	2	egate	dev	8192	Dec 17 14:05	.lockdir/
-rwxrwx---	1	egate	dev	120709	Dec 17 14:27	retek-pub-trans.jar*
-rwxrwx---	1	egate	dev	311574	Dec 17 14:27	retek-rib-support.jar*
-rwxrwx---	1	egate	dev	51558	Dec 17 14:27	retek-sbyn.jar*

Default classes directory

\$EHOME /server/registry/repository/default/classes

drwxr-xr-x	3	egate	dev	8192	Dec 16 10:13	./
drwxr-xr-x	24	egate	dev	8192	Dec 16 10:37	../
drwxrwxrwx	2	egate	dev	8192	Dec 16 10:13	.lockdir/
-rw-r--r--	1	egate	dev	8512	Nov 10 2002	EgateXMLSchemaRegistry.jar
-rw-r--r--	1	egate	dev	11310	Oct 25 05:03	jcsbootstrap.jar
-rwxrwx---	1	egate	dev	34271	Dec 16 10:11	stcbatch.jar*
-rwxrwx---	1	egate	dev	201195	Dec 16 10:11	stcbatchext.jar*
-rwxrwx---	1	egate	dev	50627	Dec 16 10:11	stcewcommoneway.jar*
-rw-r--r--	1	egate	dev	3642	Nov 10 2002	stcexception.jar
-rw-r--r--	1	egate	dev	2892902	Oct 25 05:03	stcjcs.jar
-rw-r--r--	1	egate	dev	229	Jan 24 2002	stcjcsbootstrap.ctl
-rwxrwx---	1	egate	dev	67871	Dec 16 10:13	stcjdbcx.jar*
-rw-r--r--	1	egate	dev	192757	Dec 2 14:20	stcjms.jar
-rw-r--r--	1	egate	dev	83659	Oct 25 05:03	stcjournaller.jar
-rw-r--r--	1	egate	dev	39571	Nov 10 2002	stcph.jar
-rw-r--r--	1	egate	dev	22626	Nov 10 2002	stcqviewer.jar
-rw-r--r--	1	egate	dev	52232	Nov 10 2002	stcutil.jar

RIB release and supplementary documentation

Detailed descriptions of RIB features have been updated for the RIB 10.3.3 release and are described in the following documents:

- Retek Integration Bus 10.3 Integration Guide
 - DTD Components by Family Report
 - RIB Elements Report
 - RIB Family Components Report
 - Integration Guide
 - Message Families and Types Report
 - Mapping Reports
- Retek Integration Bus 10.3 Technical Architecture Guide
- Retek Integration Bus 10.3 Installation Guide
- Retek Integration Bus 10.3 Operations Guide

RIB 10.3.3 known issues with planned resolution

Issue	Description	Mitigation / Workaround
1	The RMS DSDReceipt subscriber will fail when the message type is DSDReceiptMod.	Fixed by RMS Defect 359052
2	In the RIB 10.3.3 release, the retek-pub-trans.jar file is missing the ItemLocObjectTranslator class. This issue is limiting RMS's ability to publish Item Loc messages.	Fixed by RIB Defect 359077
3	For a receipt of purchase orders that have an ASN applied, SIM does not publish the ASN's container details.	Please see the SIM 10.3 Release Notes for information on known issues with Store Inventory Management.
4	Vendor ASNs are failing in the SIM injector with a unique constraint error on the RK_SLE_CONTAINER table.	Please see the SIM 10.3 Release Notes for information on known issues with Store Inventory Management.
5	SIM is publishing the full received quantity instead of the delta quantity for the receipt unit adjustment on a transfer.	Please see the SIM 10.3 Release Notes for information on known issues with Store Inventory Management.
6	Item/Loc and Repl/Item/Loc records are failing in the SIM injector.	Please see the SIM 10.3 Release Notes for information on known issues with Store Inventory Management.
7	Outdated Java Runtime Environment for AIX installation of SeeBeyond. For a complete list of fixes please read the readme file for ESR 56044.	ESR 56044 is still being verified by Retek.