

# Retek<sup>®</sup> Integration Bus<sup>™</sup> 11.0.2.1

## 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
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E-mail	support@retex.com
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Internet (ROCS)	<a href="https://rocs.retek.com">rocs.retek.com</a> Retek's secure client Web site to update and view issues
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Phone	+1 612 587 5800
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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
Hong Kong	800 96 4262
Korea	00 308 13 1342
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.

# Overview

The RIB 11.0.2 + “hot fix 1” release is the third phased release of RIB 11.x and is a minor patch release that includes support for the following applications in an internationalized environment:

- RMS 11.0.3
- SIM 11.0.1
- RPM 11.0.2

Details of the RIB 11 release are fully expressed in the RIB 11 Technical Architecture Guide, the associated Document Type Definitions (DTD), mapping documentation, the RIB 11 Data Model and the Retek 11 Integration Guide. These guides, along with the other RIB materials, should be reviewed in their entirety before beginning work with the RIB 11 releases.



**Note:** It is strongly recommended that before any installation or development work is performed, that the RIB 11 installation guide, provided with the release, is read and followed cover to cover, and the 'Known Issues' section of the Release Notes is well understood. Additionally, users upgrading from a previous RIB release should take care to extensively complete all certifications and regression/volume testing with RIB 11 versions before deployment to production environments.

The RIB 11.0.2 release is a full install release and does not include a delta upgrade from RIB 11.0.1. Therefore, it is mandatory to do a clean/full install when installing RIB 11.0.2.

It is important to note that after installing RIB 11.0.2, the ‘hot fix 1’ should be applied to ensure that non-english strings aren’t compromised. See the ‘Known issues’ section for more information

## RIB Package summary

The following is a list and description of each of the RIB 11.0.2 release deliverables:

Package Name	Description / Contents
ribcommon1102_eng_ga.tar	Common Infrastructure code for all RIB applications.
ribobjects1102_eng_ga.tar	RIB Objects are the message payload accessors and definitions for the 11.0.2 RIB release
ribtools1102_eng_ga.tar	Contains the Hospital UI and other tools.
ribpak1102forrms1102_eng_ga.tar	The publishers, subscribers, and TAFRs to enable connectivity of RIB 11.0.2 to RMS 11.0.2
ribpak1102forrpm1101_eng_ga.tar	The Enterprise Archive Resource (EAR) and associated files to enable connectivity of RIB 11.0.2 to RPM 11.0.1.
ribpak1102foriso110_eng_ga.tar	The messaging components and associated files to enable connectivity of RIB 11.0.2 to RPM 11.0.1.

Package Name	Description / Contents
rib1102patch1.tar	The RIB 11.0.2 'hot fix 1' patch that should be applied on top of RIB 11.0.2. This patch can be retrieved through Retek Customer Support via ROCS.

## Certification Matrices

The following is a list of Retek products recently certified with recent RIB releases

Retek App	Retek App Version	RIB Last Tested Date	RIB Last Tested Version	Comments
Retek® Merchandising System™ (RMS)	11.0.3	1/31/2005	RIB 11.0.2 + hot fix	Includes 1/31 hot fix applied
Retek® Advanced Inventory Planning™ (AIP)	11.0	8/31/2004	RIB 11.0.0	Clients wishing to remain on the AIP 11.x upgrade path must upgrade to RIB 11.0 and subsequent releases.
Retek® Store Inventory Management™ (SIM)	11.0.1	1/31/2005	RIB 11.0.2 + hot fix	Includes 1/31 hot fix applied
Retek® Customer Order Management™ (RCOM)	11.0	10/31/2004	RIB 11.0.1	RCOM 10.x is a <i>base path</i> product that has not been integration tested with the RMS 11.0 or RIB 11.0 releases.
Retek® Price Management™ (RPM)	11.0.2	1/31/2005	RIB 11.0.2 + hot fix	Includes 1/31 hot fix applied



**Note:** It is recommended to read each application's release documentation in their entirety before beginning any application's installation.

The following is a list of third-party products, platforms, or components recently certified with recent RIB releases:

Third-Party Product, Platform, or Component	Third-Party Product, Platform, or Component Version	RIB Last Tested Date	RIB Last Tested Version	Comments
SeeBeyond ® eGate™	5.0.4	12/31/2004	RIB 11.0.2	<ul style="list-style-type: none"> <li>For the RIB 11.0 release, an upgrade to SeeBeyond eGate 5.0.4 is required. Please see the SeeBeyond eGate 5.0.4 release documentation for details. SeeBeyond has released two required ESRs supplementing the SeeBeyond eGate 5.0.4 release. The details of each ESR are fully expressed in the ESR Read Me files.</li> <li># 69970 – This ESR provides an installation for UNIX and Windows to update the Java Runtime Environment (JRE) from 1.3.1 to 1.4. The ESR includes the JRE for each platform.</li> <li># 74760 – This ESR provide resolution to Oracle e*Way shut-down issues associated with Oracle databases and IBM AIX 5.2 Operating Systems.</li> </ul>
Oracle	9.2	12/31/2004	RIB 11.0.2	
Solaris	9	12/31/2004	RIB 11.0.2	
HP-UX	11.11	12/31/2004	RIB 11.0.2	
AIX	5.2	12/31/2004	RIB 11.0.2	
MS Windows	2000/XP	N/A	N/A	This is required for the SeeBeyond GUI components.
Java RunTime Environment (JRE)	1.4.1	12/31/2004	RIB 11.0.2	
Jakarta Tomcat	N/A	N/A	N/A	Jakarta Tomcat is the supported web server for the RIB 11.0 User Interface release.

Third-Party Product, Platform, or Component	Third-Party Product, Platform, or Component Version	RIB Last Tested Date	RIB Last Tested Version	Comments
Internet Explorer	6.0	N/A	N/A	The RIB 11.0 release is recommended for use with Windows 2000/XP and Internet Explorer 6.0 or higher releases. Installation of the SeeBeyond e*Gate product requires the Microsoft platform. Complete platform details can be found in the <a href="#">SeeBeyond e*Gate Integrator Installation Guide</a> .

## Functional features

Several Retek business process enhancements are supported by the RIB 11.0.1 release. Clients are required to upgrade to the RIB 11.0.2 release to take advantage of SIM 11.0 and RPM 11.0.1

### Price Management System (RPM) 11.0.1/ SIM 11.0

The RIB 11.0.2 release supports modifications to the following RPM 11.0.1 interfaces:

- Regular Price Change Publication - The message payload has not changed but the message is now being routed to SIM.

### Retek Merchandising System (RMS) 11.0.2

- XOrder - The message payload has changed as new elements have been added. Xorder is now published from SIM 11.0 in addition to AIP 11.0. The purpose of Xorder is to send purchase order details to RMS from other systems like SIM and AIP as well as external legacy applications.
- XTSE - The message payload has changed as new elements have been added. XTSE is now published from SIM 11.0 in addition to AIP 11.0. The purpose of XTSE is to send transfer details to RMS from other systems like SIM and AIP as well as external legacy applications.

### The RIB 11.0.2 release supports the following NEW RPM 11.0.1 interfaces:

- Promotion Price Change Subscription - A new message has been created for SIM to subscribe to Promotion Price changes from Retek Price Management. SIM subscribes to this message and sets the promotional price of an item.
- Clearance Price Change Publication - A new message has been created for SIM to subscribe to Clearance Price changes from Retek Price Management. SIM subscribes to this message and sets the clearance price of an item.



## Technical features

Several technical enhancements have been made within the RIB 11.0.2 release. Clients are required to upgrade to the RIB 11.0.2 release.

### SeeBeyond e\*Gate 5.0.4 ICAN Suite™

For a RIB 11.0 release, an upgrade to SeeBeyond eGate 5.0.4 is required. Please see the SeeBeyond eGate 5.0.4 release documentation for details. This release included Oracle e\*Way, version 5.x SRE testing to certify the version 5.0x SRE of the Oracle e\*Way with RIB 11.0. In addition, SeeBeyond has released two required ESRs supplementing the SeeBeyond eGate 5.0.4 release.

### Refactored CLOB to RIB Object Interfaces

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. Within the RIB 11.0 release, the following message-based interfaces were upgraded from Oracle Character Large Objects (CLOBs) to Oracle / RIB Objects to improve performance.

### Release installation sequence

Please read in full and then follow the documented instructions provided for each of the products being installed, and the RIB 11.0.2 Installation Guide.

## RIB directory summary

**\$EHOME/server/registry/repository/RIB1102/runtime/classes**

drwxr-xr-x	2 rib11sys dev	256 Nov 29 21:29 backup
-rwxrwx---	1 rib11sys dev	274202 Nov 29 21:38 cglib2.jar
-rwxrwx---	1 rib11sys dev	118483 Nov 29 21:38 commons-beanutils.jar
-rwxrwx---	1 rib11sys dev	165119 Nov 29 21:38 commons-collections.jar
-rwxrwx---	1 rib11sys dev	169763 Nov 29 21:38 commons-lang.jar
-rwxrwx---	1 rib11sys dev	31605 Nov 29 21:38 commons-logging.jar
-rwxr-xr--	1 rib11sys dev	176 Nov 29 21:38 commons-logging.properties
-rwxrwx---	1 rib11sys dev	46865 Nov 29 21:38 commons-validator.jar
-rwxrwx---	1 rib11sys dev	486522 Nov 29 21:38 dom4j.jar
-rwxrwx---	1 rib11sys dev	42763 Nov 29 21:38 ehcache.jar
-rwxr-xr--	1 rib11sys dev	1785 Nov 29 21:38 hibernate.cfg.xml
-rwxrwx---	1 rib11sys dev	912235 Nov 29 21:38 hibernate2.jar
-rwxrwx---	1 rib11sys dev	11295 Nov 29 21:32 jcsbootstrap.jar
-rwxrwx---	1 rib11sys dev	135368 Nov 29 21:38 jdom.jar

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-rwxrwx---	1 rib11sys dev	367406 Nov 29 21:38 log4j.jar
-rwxrwx---	1 rib11sys dev	13091 Nov 29 21:38 odmng.jar
-rwxrwx---	1 rib11sys dev	49643 Nov 29 21:38 platform-api.jar
-rwxrwx---	1 rib11sys dev	1501678 Nov 29 21:38 platform-client.jar
-rwxrwx---	1 rib11sys dev	211450 Nov 29 21:38 platform-common.jar
-rwxrwx---	1 rib11sys dev	12753 Nov 29 21:38 platform-conf.jar
-rwxrwx---	1 rib11sys dev	732688 Nov 29 21:38 platform-server.jar
-rwxrwx---	1 rib11sys dev	187946 Nov 29 21:38 retek-pub-trans.jar
-rwxrwx---	1 rib11sys dev	723726 Nov 29 21:38 retek-rib-support.jar
-rwxrwx---	1 rib11sys dev	5143 Nov 29 21:38 retek-sbyn-config.jar
-rwxrwx---	1 rib11sys dev	74149 Nov 29 21:38 retek-sbyn.jar
-rwxrwx---	1 rib11sys dev	53501 Nov 29 21:38 spin.jar
-rwxrwx---	1 rib11sys dev	953851 Nov 29 21:38 xercesImpl.jar

### Default classes directory

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

-rw-r--r--	1 rib11sys dev	8510 Jun 11 2004 EgateXMLSchemaRegistry.jar
-rw-r--r--	1 rib11sys dev	11295 Jun 11 2004 jcsbootstrap.jar
-rwxrwx---	1 rib11sys dev	34632 Nov 29 16:26 stcbatch.jar
-rwxrwx---	1 rib11sys dev	201475 Nov 29 16:26 stcbatchext.jar
-rwxrwx---	1 rib11sys dev	50625 Nov 29 16:26 stcewcommoneway.jar
-rw-r--r--	1 rib11sys dev	3640 Jun 11 2004 stcexception.jar
-rw-r--r--	1 rib11sys dev	2896898 Aug 6 13:53 stcjcs.jar
-rw-r--r--	1 rib11sys dev	229 Jan 24 2002 stcjcsbootstrap.ctl
-rwxrwx---	1 rib11sys dev	71399 Nov 29 16:28 stcjdbcx.jar
-rw-r--r--	1 rib11sys dev	194419 Jun 11 2004 stcjms.jar
-rw-r--r--	1 rib11sys dev	84112 Jun 11 2004 stcjournaller.jar
-rw-r--r--	1 rib11sys dev	39569 Jun 11 2004 stcph.jar
-rw-r--r--	1 rib11sys dev	22624 Jun 11 2004 stcqviewer.jar
-rw-r--r--	1 rib11sys dev	52264 Jun 11 2004 stcutil.jar

# RIB release and supplementary documentation

Detailed descriptions of RIB features have been updated for the RIB 11.0.2 release and are described in the following documents:

- Retek Integration Bus 11.0.2 Integration Guide, including
  - DTD Components by Family Report;
  - RIB Elements Report;
  - Integration Guide;
  - Message Families and Types Report;
  - Mapping Reports;
- Retek Integration Bus 11.0.2 Technical Architecture Guide;
- Retek Integration Bus - 11.0.2 Installation Guide;
- Retek Integration Bus 11.0.2 Operations Guide

## RIB 11.0.2 known issues

Issue title	Description	Mitigation / Workaround
Discharge port on ordhead table in RMS	Discharge_Port is maintained on the ordhead table in RMS and published via the PODesc message. In 11.0.2 however this field does not get published out of RMS.	Do not populate the discharge port in RMS
RMS hospital fails to retry messages that have specified a null business object id.	If a message comes across to RMS that doesn't have a business object id, the message will go to the RMS error hospital, the result is that any messages that are processed after that message will get stuck in the RMS error hospital because the RIB misinterprets these messages as being dependent on one another.	1) if this issue is experienced, the immediate workaround is to fix the first message, retry that message, and then retry all subsequent messages 2) modify the publishing application's database to change the message's business object ID to be non-null (should be benign as the business object ID isn't used for sequencing here)
Hospital UI performance issue	The current Hospital UI has performance issues with more than 50,000 records within the hospital tables.	The Hospital UI will be redesigned to support performance requirements and is planned to be released with RIB 11.0.2.
SeeBeyond JDBC Driver installation post-installation steps	SeeBeyond comes with JDBC 9.2.0.1, but needs to use 9.2.0.3. This upgrade needs to be done manually during the install process.	See RIB Install Guide for detailed instructions.

Issue title	Description	Mitigation / Workaround
ISO installation on top of existing ISO install	Note: ISO does not support upgrading by doing a full install on top of an existing installation; however this is not a supported installation of ISO. A duplicate subscriber with different client IDs for the same ISO/SIM server in each message family may be created if one removes an existing MESSAGING_CLIENT_ID file in the <ISO_INSTALL_DIR>/server<platform>/retk/sim/files/prod/tmp/ directory when a full ISO/SIM or RIBforISO install is done on the top of an existing ISO/SIM system. The duplicated subscribers cause the RIBforISO to malfunction.	Install a clean copy of ISO or make sure to backup the MESSAGING_CLIENT_ID before wiping out the existing directory and copy it back to the directory after the install.
J2EE WAS application deployment / installation – there cannot be any other applications deployed in the same WAS server instance	RIBforRCOM, RIBforISO, and RIBforAIP must each be deployed in a single/independent server instance in Websphere.	Deploy these apps to either an entirely separate installation of WAS or deploy them to separate server instances inside the same WAS installation.
Certain e*ways will automatically shut down due to durable subscribers not being found	RIB 11.0.2 does not support the latest RDM version available; however there are many e*ways that require durable subscribers for both ISO and RDM. Since RDM is not present, these e*ways will automatically shut down as the durable subscriber for RDM is not found (e.g. the ewWHToWHPhysFromRIB TAFR)	The workaround for this is to modify rib.properties by changing the line default.SubscriberCheck=true to default.SubscriberCheck=false and restarting the TAFRs.

Issue title	Description	Mitigation / Workaround
Classpath issue for EDI ASN e*way	The EDI ASN e*way has an incorrect CLASSPATH that must be changed or the EDI ASN e*way will not stay up.	<p>Before starting this way, it has to be updated with the correct classpath. Follow the following steps:</p> <ol style="list-style-type: none"> <li>1) Log into the eGate Schema Designer</li> <li>2) Click on the Collaboration Rules folder in the left side panel</li> <li>3) Double-click on the crASNInFromEDI collaboration rule in the right hand side</li> <li>4) In the Initialization string field, make sure the value of the -cp argument contains the correct path to the classes directory: \$CLASSPATH:%EHOME%/client/classes. You will need to substitute %EHOME% with the correct value of the \$EHOME environmental variable in the eGate server. (e.g.: \$CLASSPATH:/u00/egatexi/egate/client/classes)</li> <li>5) Hit Apply and start the e*way.</li> </ol>
Facilities must be specified	There are RDM-specific properties in rib.properties; however these must be specified even though RDM is not in scope for 11.0.2. This is because some TAFRs send messages to multiple applications (e.g. messages go to ISO but also RDM as well). For example, ewTransfersToStockOrdersFromRIB is one TAFR that routes messages to both RDM and ISO.	Facility_* properties must be configured properly. See the RIB 11.0.2 Operations Guide for more information on this property.
Message delivery retries causes high CPU usage.	e*Gate 5.0.4 JMS does not support the JMSXDeliveryCount property on messages. WebSphere looks for this property to determine if the message has been previously been processed. WebSphere has a configurable retry number that tells its ListenerPorts to shut down if this value is exceeded. Because of this limitation, the messages recycle through as fast as the server can process them, burning up all the CPU cycles, basically bringing the App Server to a halt.	The coded workaround is that the MDB's have logic in them to manually shut down the ListenerPort, write the problem message out to a file and email a list of contacts about the problem. The longer-term solution is that SeeBeyond will provide an ESR to fix this issue so the message doesn't continue to be processed.

Issue title	Description	Mitigation / Workaround
Internationalization issue for non-english messages transferred over the RIB	It is <i>*strongly*</i> recommended that all customers with non-english data download and install the 'RIB 11.0.2 hot fix 1'. The root cause of this issue was that RIB binding code that unmarshalls RIB messages will drop certain accented characters in non-english languages.	This is remedied by a 'hot fix' available through Retek Customer support. If you believe you are affected by this issue, the recommendation would be to log a service request via Retek Customer support and request the 'RIB 11.0.2 hot fix 1'.